Lab 2

Xieq Yrs

537436464

```
## TinyTeX installed to /Users/jordanpolk/Library/TinyTeX
```

```
## Warning in tinytex::install_tinytex(): TinyTeX was not successfully
## installed or configured.Your PATH variable is /usr/bin:/bin:/usr/
## sbin:/sbin:/usr/local/bin. See https://yihui.name/tinytex/faq/ for more
## information.
```

```
##   Id MSSubClass MSZoning LotFrontage LotArea Street Alley LotShape
## 1  1         60       RL          65    8450   Pave  <NA>      Reg
## 2  2         20       RL          80    9600   Pave  <NA>      Reg
## 3  3         60       RL          68   11250   Pave  <NA>      IR1
## 4  4         70       RL          60    9550   Pave  <NA>      IR1
## 5  5         60       RL          84   14260   Pave  <NA>      IR1
## 6  6         50       RL          85   14115   Pave  <NA>      IR1
##   LandContour Utilities LotConfig LandSlope Neighborhood Condition1
## 1         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 2         Lvl    AllPub       FR2       Gtl      Veenker      Feedr
## 3         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 4         Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 5         Lvl    AllPub       FR2       Gtl      NoRidge       Norm
## 6         Lvl    AllPub    Inside       Gtl      Mitchel       Norm
##   Condition2 BldgType HouseStyle OverallQual OverallCond YearBuilt
## 1       Norm     1Fam     2Story           7           5      2003
## 2       Norm     1Fam     1Story           6           8      1976
## 3       Norm     1Fam     2Story           7           5      2001
## 4       Norm     1Fam     2Story           7           5      1915
## 5       Norm     1Fam     2Story           8           5      2000
## 6       Norm     1Fam     1.5Fin           5           5      1993
##   YearRemodAdd RoofStyle RoofMatl Exterior1st Exterior2nd MasVnrType
## 1         2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 2         1976     Gable  CompShg     MetalSd     MetalSd       None
## 3         2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 4         1970     Gable  CompShg     Wd Sdng     Wd Shng       None
## 5         2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 6         1995     Gable  CompShg     VinylSd     VinylSd       None
##   MasVnrArea ExterQual ExterCond Foundation BsmtQual BsmtCond BsmtExposure
## 1        196        Gd        TA      PConc       Gd       TA           No
## 2          0        TA        TA     CBlock       Gd       TA           Gd
## 3        162        Gd        TA      PConc       Gd       TA           Mn
## 4          0        TA        TA     BrkTil       TA       Gd           No
## 5        350        Gd        TA      PConc       Gd       TA           Av
## 6          0        TA        TA       Wood       Gd       TA           No
##   BsmtFinType1 BsmtFinSF1 BsmtFinType2 BsmtFinSF2 BsmtUnfSF TotalBsmtSF
## 1          GLQ        706          Unf          0       150         856
## 2          ALQ        978          Unf          0       284        1262
## 3          GLQ        486          Unf          0       434         920
## 4          ALQ        216          Unf          0       540         756
## 5          GLQ        655          Unf          0       490        1145
## 6          GLQ        732          Unf          0        64         796
##   Heating HeatingQC CentralAir Electrical X1stFlrSF X2ndFlrSF LowQualFinSF
## 1    GasA        Ex          Y      SBrkr       856       854            0
## 2    GasA        Ex          Y      SBrkr      1262         0            0
## 3    GasA        Ex          Y      SBrkr       920       866            0
## 4    GasA        Gd          Y      SBrkr       961       756            0
## 5    GasA        Ex          Y      SBrkr      1145      1053            0
## 6    GasA        Ex          Y      SBrkr       796       566            0
##   GrLivArea BsmtFullBath BsmtHalfBath FullBath HalfBath BedroomAbvGr
## 1      1710            1            0        2        1            3
## 2      1262            0            1        2        0            3
## 3      1786            1            0        2        1            3
```

```
## 4      1717            1            0        1        0            3
## 5      2198            1            0        2        1            4
## 6      1362            1            0        1        1            1
##   KitchenAbvGr KitchenQual TotRmsAbvGrd Functional Fireplaces FireplaceQu
## 1            1          Gd            8        Typ          0        <NA>
## 2            1          TA            6        Typ          1          TA
## 3            1          Gd            6        Typ          1          TA
## 4            1          Gd            7        Typ          1          Gd
## 5            1          Gd            9        Typ          1          TA
## 6            1          TA            5        Typ          0        <NA>
##   GarageType GarageYrBlt GarageFinish GarageCars GarageArea GarageQual
## 1     Attchd        2003          RFn          2        548         TA
## 2     Attchd        1976          RFn          2        460         TA
## 3     Attchd        2001          RFn          2        608         TA
## 4     Detchd        1998          Unf          3        642         TA
## 5     Attchd        2000          RFn          3        836         TA
## 6     Attchd        1993          Unf          2        480         TA
##   GarageCond PavedDrive WoodDeckSF OpenPorchSF EnclosedPorch X3SsnPorch
## 1         TA          Y          0          61             0          0
## 2         TA          Y        298           0             0          0
## 3         TA          Y          0          42             0          0
## 4         TA          Y          0          35           272          0
## 5         TA          Y        192          84             0          0
## 6         TA          Y         40          30             0        320
##   ScreenPorch PoolArea PoolQC Fence MiscFeature MiscVal MoSold YrSold
## 1           0        0   <NA>  <NA>        <NA>       0      2   2008
## 2           0        0   <NA>  <NA>        <NA>       0      5   2007
## 3           0        0   <NA>  <NA>        <NA>       0      9   2008
## 4           0        0   <NA>  <NA>        <NA>       0      2   2006
## 5           0        0   <NA>  <NA>        <NA>       0     12   2008
## 6           0        0   <NA> MnPrv        Shed     700     10   2009
##   SaleType SaleCondition SalePrice
## 1       WD        Normal    208500
## 2       WD        Normal    181500
## 3       WD        Normal    223500
## 4       WD       Abnorml    140000
## 5       WD        Normal    250000
## 6       WD        Normal    143000
```

Introduction

Headers in the Original Dataset

1. With Header = TRUE, the dataset formats certain variables as integers and factors, as mentioned.
2. With Header = FALSE, all the variables are marked as factors.
3. Without either Header = TRUE or Header = FALSE, the variable titles are gone and the variables are all factors.

Initial Inspection

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

```
## [1] Attchd  Detchd  BuiltIn CarPort <NA>    Basment 2Types
## Levels: 2Types Attchd Basment BuiltIn CarPort Detchd
```

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

```
## [1] "double"
```

```
##        Id MSSubClass MSZoning LotFrontage LotArea Street Alley LotShape
## 1       1          60       RL          65    8450   Pave  <NA>      Reg
## 2       2          20       RL          80    9600   Pave  <NA>      Reg
## 3       3          60       RL          68   11250   Pave  <NA>      IR1
## 4       4          70       RL          60    9550   Pave  <NA>      IR1
## 5       5          60       RL          84   14260   Pave  <NA>      IR1
## 6       6          50       RL          85   14115   Pave  <NA>      IR1
## 7       7          20       RL          75   10084   Pave  <NA>      Reg
## 8       8          60       RL          NA   10382   Pave  <NA>      IR1
## 9       9          50       RM          51    6120   Pave  <NA>      Reg
## 10     10         190       RL          50    7420   Pave  <NA>      Reg
## 11     11          20       RL          70   11200   Pave  <NA>      Reg
## 12     12          60       RL          85   11924   Pave  <NA>      IR1
## 13     13          20       RL          NA   12968   Pave  <NA>      IR2
## 14     14          20       RL          91   10652   Pave  <NA>      IR1
## 15     15          20       RL          NA   10920   Pave  <NA>      IR1
## 16     16          45       RM          51    6120   Pave  <NA>      Reg
## 17     17          20       RL          NA   11241   Pave  <NA>      IR1
## 18     18          90       RL          72   10791   Pave  <NA>      Reg
## 19     19          20       RL          66   13695   Pave  <NA>      Reg
## 20     20          20       RL          70    7560   Pave  <NA>      Reg
## 21     21          60       RL         101   14215   Pave  <NA>      IR1
## 22     22          45       RM          57    7449   Pave  Grvl      Reg
## 23     23          20       RL          75    9742   Pave  <NA>      Reg
## 24     24         120       RM          44    4224   Pave  <NA>      Reg
## 25     25          20       RL          NA    8246   Pave  <NA>      IR1
## 26     26          20       RL         110   14230   Pave  <NA>      Reg
## 27     27          20       RL          60    7200   Pave  <NA>      Reg
## 28     28          20       RL          98   11478   Pave  <NA>      Reg
## 29     29          20       RL          47   16321   Pave  <NA>      IR1
## 30     30          30       RM          60    6324   Pave  <NA>      IR1
## 31     31          70  C (all)          50    8500   Pave  Pave      Reg
## 32     32          20       RL          NA    8544   Pave  <NA>      IR1
## 33     33          20       RL          85   11049   Pave  <NA>      Reg
## 34     34          20       RL          70   10552   Pave  <NA>      IR1
## 35     35         120       RL          60    7313   Pave  <NA>      Reg
## 36     36          60       RL         108   13418   Pave  <NA>      Reg
## 37     37          20       RL         112   10859   Pave  <NA>      Reg
## 38     38          20       RL          74    8532   Pave  <NA>      Reg
## 39     39          20       RL          68    7922   Pave  <NA>      Reg
## 40     40          90       RL          65    6040   Pave  <NA>      Reg
## 41     41          20       RL          84    8658   Pave  <NA>      Reg
## 42     42          20       RL         115   16905   Pave  <NA>      Reg
## 43     43          85       RL          NA    9180   Pave  <NA>      IR1
## 44     44          20       RL          NA    9200   Pave  <NA>      IR1
## 45     45          20       RL          70    7945   Pave  <NA>      Reg
## 46     46         120       RL          61    7658   Pave  <NA>      Reg
## 47     47          50       RL          48   12822   Pave  <NA>      IR1
## 48     48          20       FV          84   11096   Pave  <NA>      Reg
## 49     49         190       RM          33    4456   Pave  <NA>      Reg
## 50     50          20       RL          66    7742   Pave  <NA>      Reg
## 51     51          60       RL          NA   13869   Pave  <NA>      IR2
## 52     52          50       RM          52    6240   Pave  <NA>      Reg
```

```
## 53     53          90       RM         110    8472   Grvl  <NA>      IR2
## 54     54          20       RL          68   50271   Pave  <NA>      IR1
## 55     55          80       RL          60    7134   Pave  <NA>      Reg
## 56     56          20       RL         100   10175   Pave  <NA>      IR1
## 57     57         160       FV          24    2645   Pave  Pave      Reg
## 58     58          60       RL          89   11645   Pave  <NA>      IR1
## 59     59          60       RL          66   13682   Pave  <NA>      IR2
## 60     60          20       RL          60    7200   Pave  <NA>      Reg
## 61     61          20       RL          63   13072   Pave  <NA>      Reg
## 62     62          75       RM          60    7200   Pave  <NA>      Reg
## 63     63         120       RL          44    6442   Pave  <NA>      IR1
## 64     64          70       RM          50   10300   Pave  <NA>      IR1
## 65     65          60       RL          NA    9375   Pave  <NA>      Reg
## 66     66          60       RL          76    9591   Pave  <NA>      Reg
## 67     67          20       RL          NA   19900   Pave  <NA>      Reg
## 68     68          20       RL          72   10665   Pave  <NA>      IR1
## 69     69          30       RM          47    4608   Pave  <NA>      Reg
## 70     70          50       RL          81   15593   Pave  <NA>      Reg
## 71     71          20       RL          95   13651   Pave  <NA>      IR1
## 72     72          20       RL          69    7599   Pave  <NA>      Reg
## 73     73          60       RL          74   10141   Pave  <NA>      IR1
## 74     74          20       RL          85   10200   Pave  <NA>      Reg
## 75     75          50       RM          60    5790   Pave  <NA>      Reg
## 76     76         180       RM          21    1596   Pave  <NA>      Reg
## 77     77          20       RL          NA    8475   Pave  <NA>      IR1
## 78     78          50       RM          50    8635   Pave  <NA>      Reg
## 79     79          90       RL          72   10778   Pave  <NA>      Reg
## 80     80          50       RM          60   10440   Pave  Grvl      Reg
## 81     81          60       RL         100   13000   Pave  <NA>      Reg
## 82     82         120       RM          32    4500   Pave  <NA>      Reg
## 83     83          20       RL          78   10206   Pave  <NA>      Reg
## 84     84          20       RL          80    8892   Pave  <NA>      IR1
## 85     85          80       RL          NA    8530   Pave  <NA>      IR1
## 86     86          60       RL         121   16059   Pave  <NA>      Reg
## 87     87          60       RL         122   11911   Pave  <NA>      IR2
## 88     88         160       FV          40    3951   Pave  Pave      Reg
## 89     89          50  C (all)         105    8470   Pave  <NA>      IR1
## 90     90          20       RL          60    8070   Pave  <NA>      Reg
## 91     91          20       RL          60    7200   Pave  <NA>      Reg
## 92     92          20       RL          85    8500   Pave  <NA>      Reg
## 93     93          30       RL          80   13360   Pave  Grvl      IR1
## 94     94         190  C (all)          60    7200   Pave  <NA>      Reg
## 95     95          60       RL          69    9337   Pave  <NA>      IR1
## 96     96          60       RL          NA    9765   Pave  <NA>      IR2
## 97     97          20       RL          78   10264   Pave  <NA>      IR1
## 98     98          20       RL          73   10921   Pave  <NA>      Reg
## 99     99          30       RL          85   10625   Pave  <NA>      Reg
## 100   100          20       RL          77    9320   Pave  <NA>      IR1
## 101   101          20       RL          NA   10603   Pave  <NA>      IR1
## 102   102          60       RL          77    9206   Pave  <NA>      Reg
## 103   103          90       RL          64    7018   Pave  <NA>      Reg
## 104   104          20       RL          94   10402   Pave  <NA>      IR1
## 105   105          50       RM          NA    7758   Pave  <NA>      Reg
## 106   106          60       FV          75    9375   Pave  <NA>      Reg
```

```
## 107   107          30       RM          60   10800   Pave  Grvl      Reg
## 108   108          20       RM          50    6000   Pave  <NA>      Reg
## 109   109          50       RM          85    8500   Pave  <NA>      Reg
## 110   110          20       RL         105   11751   Pave  <NA>      IR1
## 111   111          50       RL          75    9525   Pave  <NA>      Reg
## 112   112          80       RL          NA    7750   Pave  <NA>      IR1
## 113   113          60       RL          77    9965   Pave  <NA>      Reg
## 114   114          20       RL          NA   21000   Pave  <NA>      Reg
## 115   115          70       RL          61    7259   Pave  <NA>      IR1
## 116   116         160       FV          34    3230   Pave  Pave      Reg
## 117   117          20       RL          NA   11616   Pave  <NA>      Reg
## 118   118          20       RL          74    8536   Pave  <NA>      Reg
## 119   119          60       RL          90   12376   Pave  <NA>      Reg
## 120   120          60       RL          65    8461   Pave  <NA>      Reg
## 121   121          80       RL          NA   21453   Pave  <NA>      IR1
## 122   122          50       RM          50    6060   Pave  <NA>      Reg
## 123   123          20       RL          75    9464   Pave  <NA>      Reg
## 124   124         120       RL          55    7892   Pave  <NA>      Reg
## 125   125          20       RL          48   17043   Pave  <NA>      IR1
## 126   126         190       RM          60    6780   Pave  <NA>      Reg
## 127   127         120       RL          NA    4928   Pave  <NA>      IR1
## 128   128          45       RM          55    4388   Pave  <NA>      IR1
## 129   129          60       RL          69    7590   Pave  <NA>      Reg
## 130   130          20       RL          69    8973   Pave  <NA>      Reg
## 131   131          60       RL          88   14200   Pave  <NA>      Reg
## 132   132          60       RL          NA   12224   Pave  <NA>      IR1
## 133   133          20       RL          75    7388   Pave  <NA>      Reg
## 134   134          20       RL          NA    6853   Pave  <NA>      IR1
## 135   135          20       RL          78   10335   Pave  <NA>      IR1
## 136   136          20       RL          80   10400   Pave  <NA>      Reg
## 137   137          20       RL          NA   10355   Pave  <NA>      IR1
## 138   138          90       RL          82   11070   Pave  <NA>      Reg
## 139   139          60       RL          73    9066   Pave  <NA>      IR1
## 140   140          60       RL          65   15426   Pave  <NA>      IR1
## 141   141          20       RL          70   10500   Pave  <NA>      Reg
## 142   142          20       RL          78   11645   Pave  <NA>      Reg
## 143   143          50       RL          71    8520   Pave  <NA>      Reg
## 144   144          20       RL          78   10335   Pave  <NA>      IR1
## 145   145          90       RM          70    9100   Pave  <NA>      Reg
## 146   146         160       RM          24    2522   Pave  <NA>      Reg
## 147   147          30       RM          51    6120   Pave  <NA>      Reg
## 148   148          60       RL          NA    9505   Pave  <NA>      IR1
## 149   149          20       RL          63    7500   Pave  <NA>      Reg
## 150   150          50       RM          NA    6240   Pave  <NA>      Reg
## 151   151          20       RL         120   10356   Pave  <NA>      Reg
## 152   152          20       RL         107   13891   Pave  <NA>      Reg
## 153   153          60       RL          NA   14803   Pave  <NA>      IR1
## 154   154          20       RL          NA   13500   Pave  <NA>      Reg
## 155   155          30       RM          84   11340   Pave  <NA>      Reg
## 156   156          50       RL          60    9600   Pave  <NA>      Reg
## 157   157          20       RL          60    7200   Pave  <NA>      Reg
## 158   158          60       RL          92   12003   Pave  <NA>      Reg
## 159   159          60       FV         100   12552   Pave  <NA>      Reg
## 160   160          60       RL         134   19378   Pave  <NA>      IR1
```

```
## 161   161          20       RL          NA   11120   Pave  <NA>      IR1
## 162   162          60       RL         110   13688   Pave  <NA>      IR1
## 163   163          20       RL          95   12182   Pave  <NA>      Reg
## 164   164          45       RL          55    5500   Pave  <NA>      Reg
## 165   165          40       RM          40    5400   Pave  Pave      Reg
## 166   166         190       RL          62   10106   Pave  <NA>      Reg
## 167   167          20       RL          NA   10708   Pave  <NA>      IR1
## 168   168          60       RL          86   10562   Pave  <NA>      Reg
## 169   169          60       RL          62    8244   Pave  <NA>      IR1
## 170   170          20       RL          NA   16669   Pave  <NA>      IR1
## 171   171          50       RM          NA   12358   Pave  <NA>      IR1
## 172   172          20       RL         141   31770   Pave  <NA>      IR1
## 173   173         160       RL          44    5306   Pave  <NA>      IR1
## 174   174          20       RL          80   10197   Pave  <NA>      IR1
## 175   175          20       RL          47   12416   Pave  <NA>      IR1
## 176   176          20       RL          84   12615   Pave  <NA>      Reg
## 177   177          60       RL          97   10029   Pave  <NA>      IR1
## 178   178          50       RL          NA   13650   Pave  <NA>      Reg
## 179   179          20       RL          63   17423   Pave  <NA>      IR1
## 180   180          30       RM          60    8520   Pave  <NA>      Reg
## 181   181         160       FV          NA    2117   Pave  <NA>      Reg
## 182   182          70       RL          54    7588   Pave  <NA>      Reg
## 183   183          20       RL          60    9060   Pave  <NA>      Reg
## 184   184          50       RM          63   11426   Pave  <NA>      Reg
## 185   185          50       RL          92    7438   Pave  <NA>      IR1
## 186   186          75       RM          90   22950   Pave  <NA>      IR2
## 187   187          80       RL          NA    9947   Pave  <NA>      IR1
## 188   188          50       RL          60   10410   Pave  <NA>      Reg
## 189   189          90       RL          64    7018   Pave  <NA>      Reg
## 190   190         120       RL          41    4923   Pave  <NA>      Reg
## 191   191          70       RL          70   10570   Pave  <NA>      Reg
## 192   192          60       RL          NA    7472   Pave  <NA>      IR1
## 193   193          20       RL          68    9017   Pave  <NA>      IR1
## 194   194         160       RM          24    2522   Pave  <NA>      Reg
## 195   195          20       RL          60    7180   Pave  <NA>      IR1
## 196   196         160       RL          24    2280   Pave  <NA>      Reg
## 197   197          20       RL          79    9416   Pave  <NA>      Reg
## 198   198          75       RL         174   25419   Pave  <NA>      Reg
## 199   199          75       RM          92    5520   Pave  <NA>      Reg
## 200   200          20       RL          76    9591   Pave  <NA>      Reg
## 201   201          20       RM          80    8546   Pave  <NA>      Reg
## 202   202          20       RL          75   10125   Pave  <NA>      Reg
## 203   203          50       RL          50    7000   Pave  <NA>      Reg
## 204   204         120       RM          NA    4438   Pave  <NA>      Reg
## 205   205          50       RM          50    3500   Pave  Grvl      Reg
## 206   206          20       RL          99   11851   Pave  <NA>      Reg
## 207   207          20       RL          40   13673   Pave  <NA>      IR1
## 208   208          20       RL          NA   12493   Pave  <NA>      IR1
## 209   209          60       RL          NA   14364   Pave  <NA>      IR1
## 210   210          20       RL          75    8250   Pave  <NA>      Reg
## 211   211          30       RL          67    5604   Pave  <NA>      Reg
## 212   212          20       RL          83   10420   Pave  <NA>      Reg
## 213   213          60       FV          72    8640   Pave  <NA>      Reg
## 214   214          20       RL          43   13568   Pave  <NA>      IR2
```

```
## 215   215          60       RL          NA   10900   Pave  <NA>      IR1
## 216   216          20       RL          72   10011   Pave  <NA>      IR1
## 217   217          20       RL          65    8450   Pave  <NA>      Reg
## 218   218          70       RM          57    9906   Pave  Grvl      Reg
## 219   219          50       RL          NA   15660   Pave  <NA>      IR1
## 220   220         120       RL          43    3010   Pave  <NA>      Reg
## 221   221          20       RL          73    8990   Pave  <NA>      IR1
## 222   222          60       RL          NA    8068   Pave  <NA>      IR1
## 223   223          60       RL          85   11475   Pave  <NA>      Reg
## 224   224          20       RL          70   10500   Pave  <NA>      Reg
## 225   225          20       RL         103   13472   Pave  <NA>      Reg
## 226   226         160       RM          21    1680   Pave  <NA>      Reg
## 227   227          60       RL          82    9950   Pave  <NA>      IR1
## 228   228         160       RM          21    1869   Pave  <NA>      Reg
## 229   229          20       RL          70    8521   Pave  <NA>      Reg
## 230   230         120       RL          43    3182   Pave  <NA>      Reg
## 231   231          20       RL          73    8760   Pave  <NA>      Reg
## 232   232          60       RL         174   15138   Pave  <NA>      IR1
## 233   233         160       RM          21    1680   Pave  <NA>      Reg
## 234   234          20       RL          75   10650   Pave  <NA>      Reg
## 235   235          60       RL          NA    7851   Pave  <NA>      Reg
## 236   236         160       RM          21    1680   Pave  <NA>      Reg
## 237   237          20       RL          65    8773   Pave  <NA>      Reg
## 238   238          60       RL          NA    9453   Pave  <NA>      IR1
## 239   239          20       RL          93   12030   Pave  <NA>      Reg
## 240   240          50       RL          52    8741   Pave  <NA>      Reg
## 241   241          20       FV          75    9000   Pave  <NA>      Reg
## 242   242          30       RM          40    3880   Pave  <NA>      Reg
## 243   243          50       RM          63    5000   Pave  <NA>      Reg
## 244   244         160       RL          75   10762   Pave  <NA>      Reg
## 245   245          60       RL          NA    8880   Pave  <NA>      IR1
## 246   246          20       RL          80   10400   Pave  <NA>      Reg
## 247   247         190       RM          69    9142   Pave  Grvl      Reg
## 248   248          20       RL          75   11310   Pave  <NA>      Reg
## 249   249          60       RL          72   11317   Pave  <NA>      Reg
## 250   250          50       RL          NA  159000   Pave  <NA>      IR2
## 251   251          30       RL          55    5350   Pave  <NA>      IR1
## 252   252         120       RM          44    4750   Pave  <NA>      IR1
## 253   253          60       RL          65    8366   Pave  <NA>      IR1
## 254   254          80       RL          85    9350   Pave  <NA>      Reg
## 255   255          20       RL          70    8400   Pave  <NA>      Reg
## 256   256          60       RL          66    8738   Pave  <NA>      IR1
## 257   257          60       FV          64    8791   Pave  <NA>      IR1
## 258   258          20       RL          68    8814   Pave  <NA>      Reg
## 259   259          60       RL          80   12435   Pave  <NA>      Reg
## 260   260          20       RM          70   12702   Pave  <NA>      Reg
## 261   261          80       RL         120   19296   Pave  <NA>      Reg
## 262   262          60       RL          69    9588   Pave  <NA>      IR1
## 263   263          80       RL          88    8471   Pave  <NA>      IR1
## 264   264          50       RM          50    5500   Pave  <NA>      Reg
## 265   265          30       RM          30    5232   Pave  Grvl      IR3
## 266   266          20       RL          78   12090   Pave  <NA>      IR1
## 267   267          60       RL          70   11207   Pave  <NA>      IR1
## 268   268          75       RL          60    8400   Pave  <NA>      Reg
```

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## 269   269          30       RM          71    6900   Pave  <NA>       Reg
## 270   270          20       RL          NA    7917   Pave  <NA>       IR1
## 271   271          60       FV          84   10728   Pave  <NA>       Reg
## 272   272          20       RL          73   39104   Pave  <NA>       IR1
## 273   273          60       RL          92   11764   Pave  <NA>       IR1
## 274   274          20       RL          80    9600   Pave  <NA>       Reg
## 275   275          20       RL          76    8314   Pave  <NA>       Reg
## 276   276          50       RL          55    7264   Pave  <NA>       Reg
## 277   277          20       RL         129    9196   Pave  <NA>       IR1
## 278   278          20       RL         140   19138   Pave  <NA>       Reg
## 279   279          20       RL         107   14450   Pave  <NA>       Reg
## 280   280          60       RL          83   10005   Pave  <NA>       Reg
## 281   281          60       RL          82   11287   Pave  <NA>       Reg
## 282   282          20       FV          60    7200   Pave  Pave       Reg
## 283   283         120       RL          34    5063   Pave  <NA>       Reg
## 284   284          20       RL          74    9612   Pave  <NA>       Reg
## 285   285         120       RL          50    8012   Pave  <NA>       Reg
## 286   286         160       FV          35    4251   Pave  Pave       IR1
## 287   287          50       RL          77    9786   Pave  <NA>       IR1
## 288   288          20       RL          NA    8125   Pave  <NA>       IR1
## 289   289          20       RL          NA    9819   Pave  <NA>       IR1
## 290   290          70       RL          60    8730   Pave  <NA>       Reg
## 291   291          60       RL         120   15611   Pave  <NA>       Reg
## 292   292         190       RL          55    5687   Pave  Grvl       Reg
## 293   293          50       RL          60   11409   Pave  <NA>       Reg
## 294   294          60       RL          NA   16659   Pave  <NA>       IR1
## 295   295          20       RL          80    9600   Pave  <NA>       Reg
## 296   296          80       RL          37    7937   Pave  <NA>       IR1
## 297   297          50       RM          75   13710   Pave  <NA>       Reg
## 298   298          60       FV          66    7399   Pave  Pave       IR1
## 299   299          60       RL          90   11700   Pave  <NA>       Reg
## 300   300          20       RL          80   14000   Pave  <NA>       Reg
## 301   301         190       RL          90   15750   Pave  <NA>       Reg
## 302   302          60       RL          66   16226   Pave  <NA>       IR3
## 303   303          20       RL         118   13704   Pave  <NA>       IR1
## 304   304          20       RL          70    9800   Pave  <NA>       Reg
## 305   305          75       RM          87   18386   Pave  <NA>       Reg
## 306   306          20       RL          80   10386   Pave  <NA>       Reg
## 307   307          60       RL         116   13474   Pave  <NA>       Reg
## 308   308          50       RM          NA    7920   Pave  Grvl       IR1
## 309   309          30       RL          NA   12342   Pave  <NA>       IR1
## 310   310          20       RL          90   12378   Pave  <NA>       IR1
## 311   311          60       RL          NA    7685   Pave  <NA>       IR1
## 312   312          20       RL          50    8000   Pave  <NA>       Reg
## 313   313         190       RM          65    7800   Pave  <NA>       Reg
## 314   314          20       RL         150  215245   Pave  <NA>       IR3
## 315   315          70       RM          60    9600   Pave  Grvl       Reg
## 316   316          60       RL          71    7795   Pave  <NA>       IR1
## 317   317          60       RL          94   13005   Pave  <NA>       IR1
## 318   318          60       FV          75    9000   Pave  <NA>       Reg
## 319   319          60       RL          90    9900   Pave  <NA>       Reg
## 320   320          80       RL          NA   14115   Pave  <NA>       Reg
## 321   321          60       RL         111   16259   Pave  <NA>       Reg
## 322   322          60       RL          99   12099   Pave  <NA>       IR1
```

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## 323   323          60       RL          86   10380   Pave  <NA>      IR1
## 324   324          20       RM          49    5820   Pave  <NA>      Reg
## 325   325          80       RL          96   11275   Pave  <NA>      Reg
## 326   326          45       RM          50    5000   Pave  <NA>      Reg
## 327   327         120       RL          32   10846   Pave  <NA>      IR1
## 328   328          20       RL          80   11600   Pave  <NA>      Reg
## 329   329          75       RL          NA   11888   Pave  Pave      IR1
## 330   330          70       RM          60    6402   Pave  <NA>      Reg
## 331   331          90       RL          NA   10624   Pave  <NA>      IR1
## 332   332          20       RL          70    8176   Pave  <NA>      Reg
## 333   333          20       RL          85   10655   Pave  <NA>      IR1
## 334   334         120       RM          59    8198   Pave  <NA>      Reg
## 335   335          60       RL          59    9042   Pave  <NA>      IR1
## 336   336         190       RL          NA  164660   Grvl  <NA>      IR1
## 337   337          20       RL          86   14157   Pave  <NA>      IR1
## 338   338          20       RL          70    9135   Pave  <NA>      Reg
## 339   339          20       RL          91   14145   Pave  <NA>      Reg
## 340   340          20       RL          66   12400   Pave  <NA>      IR1
## 341   341          60       RL          85   14191   Pave  <NA>      Reg
## 342   342          20       RH          60    8400   Pave  <NA>      Reg
## 343   343          90       RL          NA    8544   Pave  <NA>      Reg
## 344   344         120       RL          63    8849   Pave  <NA>      IR1
## 345   345         160       RM          36    2592   Pave  <NA>      Reg
## 346   346          50       RL          65    6435   Pave  <NA>      Reg
## 347   347          20       RL          NA   12772   Pave  <NA>      IR1
## 348   348          20       RL          NA   17600   Pave  <NA>      IR1
## 349   349         160       RL          36    2448   Pave  <NA>      Reg
## 350   350          60       RL          56   20431   Pave  <NA>      IR2
## 351   351         120       RL          68    7820   Pave  <NA>      IR1
## 352   352         120       RL          NA    5271   Pave  <NA>      IR1
## 353   353          50       RL          60    9084   Pave  <NA>      Reg
## 354   354          30       RM          60    8520   Pave  <NA>      Reg
## 355   355          50       RL          60    8400   Pave  <NA>      Reg
## 356   356          20       RL         105   11249   Pave  <NA>      IR2
## 357   357          20       RL          NA    9248   Pave  <NA>      IR1
## 358   358         120       RM          44    4224   Pave  <NA>      Reg
## 359   359          80       RL          92    6930   Pave  <NA>      IR1
## 360   360          60       RL          78   12011   Pave  <NA>      IR1
## 361   361          85       RL          NA    7540   Pave  <NA>      IR1
## 362   362          50       RL          NA    9144   Pave  Pave      Reg
## 363   363          85       RL          64    7301   Pave  <NA>      Reg
## 364   364         160       RM          21    1680   Pave  <NA>      Reg
## 365   365          60       RL          NA   18800   Pave  <NA>      IR1
## 366   366          70       RM          59   10690   Pave  <NA>      Reg
## 367   367          20       RL          NA    9500   Pave  <NA>      IR1
## 368   368          80       RL         101    9150   Pave  <NA>      IR1
## 369   369          20       RL          78    7800   Pave  <NA>      Reg
## 370   370          20       RL          NA    9830   Pave  <NA>      IR1
## 371   371          60       RL          NA    8121   Pave  <NA>      IR1
## 372   372          50       RL          80   17120   Pave  <NA>      Reg
## 373   373         120       RL          50    7175   Pave  <NA>      Reg
## 374   374          20       RL          79   10634   Pave  <NA>      Reg
## 375   375          60       RL          65    8200   Pave  <NA>      Reg
## 376   376          30       RL          NA   10020   Pave  <NA>      IR1
```

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## 377   377          85       RL          57    8846   Pave  <NA>      IR1
## 378   378          60       FV         102   11143   Pave  <NA>      IR1
## 379   379          20       RL          88   11394   Pave  <NA>      Reg
## 380   380          60       RL          60    8123   Pave  <NA>      IR1
## 381   381          50       RL          50    5000   Pave  Pave      Reg
## 382   382          20       FV          60    7200   Pave  Pave      Reg
## 383   383          60       RL          79    9245   Pave  <NA>      IR1
## 384   384          45       RH          60    9000   Pave  <NA>      Reg
## 385   385          60       RL          NA   53107   Pave  <NA>      IR2
## 386   386         120       RL          43    3182   Pave  <NA>      Reg
## 387   387          50       RL          58    8410   Pave  <NA>      Reg
## 388   388          80       RL          72    7200   Pave  <NA>      Reg
## 389   389          20       RL          93    9382   Pave  <NA>      IR1
## 390   390          60       RL          96   12474   Pave  <NA>      Reg
## 391   391          50       RL          50    8405   Pave  Grvl      Reg
## 392   392          60       RL          71   12209   Pave  <NA>      IR1
## 393   393          20       RL          NA    8339   Pave  <NA>      IR1
## 394   394          30       RL          NA    7446   Pave  <NA>      Reg
## 395   395          50       RL          60   10134   Pave  <NA>      Reg
## 396   396          20       RL          68    9571   Pave  <NA>      Reg
## 397   397          20       RL          60    7200   Pave  <NA>      Reg
## 398   398          60       RL          69    7590   Pave  <NA>      Reg
## 399   399          30       RM          60    8967   Pave  <NA>      Reg
## 400   400          60       FV          65    8125   Pave  <NA>      Reg
## 401   401         120       RL          38   14963   Pave  <NA>      IR2
## 402   402          20       RL          65    8767   Pave  <NA>      IR1
## 403   403          30       RL          60   10200   Pave  <NA>      Reg
## 404   404          60       RL          93   12090   Pave  <NA>      Reg
## 405   405          60       RL          NA   10364   Pave  <NA>      IR1
## 406   406          20       RL          NA    9991   Pave  <NA>      IR1
## 407   407          50       RL          51   10480   Pave  <NA>      Reg
## 408   408          70       RL          63   15576   Pave  <NA>      Reg
## 409   409          60       RL         109   14154   Pave  <NA>      Reg
## 410   410          60       FV          85   10800   Pave  <NA>      Reg
## 411   411          20       RL          68    9571   Pave  <NA>      Reg
## 412   412         190       RL         100   34650   Pave  <NA>      Reg
## 413   413          20       FV          NA    4403   Pave  <NA>      IR2
## 414   414          30       RM          56    8960   Pave  Grvl      Reg
## 415   415          60       RL          59   11228   Pave  <NA>      IR2
## 416   416          20       RL          73    8899   Pave  <NA>      IR1
## 417   417          60       RL          74    7844   Pave  <NA>      Reg
## 418   418          70       RL          86   22420   Pave  <NA>      IR1
## 419   419          50       RL          60    8160   Pave  <NA>      Reg
## 420   420          20       RL          65    8450   Pave  <NA>      Reg
## 421   421          90       RM          78    7060   Pave  <NA>      Reg
## 422   422          20       RL          NA   16635   Pave  <NA>      IR1
## 423   423          20       RL         100   21750   Pave  <NA>      Reg
## 424   424          60       RL          80    9200   Pave  <NA>      Reg
## 425   425          20       RL          72    9000   Pave  <NA>      Reg
## 426   426          60       RM          60    3378   Pave  Grvl      Reg
## 427   427          80       RL          NA   12800   Pave  <NA>      Reg
## 428   428          20       RL          77    8593   Pave  <NA>      IR1
## 429   429          20       RL          64    6762   Pave  <NA>      Reg
## 430   430          20       RL         130   11457   Pave  <NA>      IR1
```

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## 431   431         160        RM           21    1680   Pave  <NA>       Reg
## 432   432          50        RM           60    5586   Pave  <NA>       IR1
## 433   433         160        RM           24    1920   Pave  <NA>       Reg
## 434   434          60        RL          100   10839   Pave  <NA>       IR1
## 435   435         180        RM           21    1890   Pave  <NA>       Reg
## 436   436          60        RL           43   10667   Pave  <NA>       IR2
## 437   437          50        RM           40    4400   Pave  <NA>       Reg
## 438   438          45        RM           50    6000   Pave  <NA>       Reg
## 439   439          30        RL           40    4280   Pave  <NA>       Reg
## 440   440          50        RL           67   12354   Pave  Grvl       Reg
## 441   441          20        RL          105   15431   Pave  <NA>       Reg
## 442   442          90        RL           92   12108   Pave  <NA>       Reg
## 443   443          50        RM           52    6240   Pave  <NA>       Reg
## 444   444         120        RL           53    3922   Pave  <NA>       Reg
## 445   445          60        RL           70    8750   Pave  <NA>       Reg
## 446   446          20        RL           73    9855   Pave  <NA>       Reg
## 447   447          20        RL          137   16492   Pave  <NA>       IR1
## 448   448          60        RL           NA   11214   Pave  <NA>       IR1
## 449   449          50        RM           50    8600   Pave  <NA>       Reg
## 450   450          50        RM           50    6000   Pave  <NA>       Reg
## 451   451          30        RM           70    5684   Pave  <NA>       Reg
## 452   452          20        RL           62   70761   Pave  <NA>       IR1
## 453   453          60        RL           NA    9303   Pave  <NA>       IR1
## 454   454          60        FV           75    9000   Pave  <NA>       Reg
## 455   455          90        RL           63    9297   Pave  <NA>       Reg
## 456   456          20        RL           80    9600   Pave  <NA>       Reg
## 457   457          70        RM           34    4571   Pave  Grvl       Reg
## 458   458          20        RL           NA   53227   Pave  <NA>       IR1
## 459   459          70        RM           NA    5100   Pave  Grvl       Reg
## 460   460          50        RL           NA    7015   Pave  <NA>       IR1
## 461   461          60        FV           75    8004   Pave  <NA>       IR1
## 462   462          70        RL           60    7200   Pave  <NA>       Reg
## 463   463          20        RL           60    8281   Pave  <NA>       IR1
## 464   464          70        RL           74   11988   Pave  <NA>       IR1
## 465   465          20        RL           60    8430   Pave  <NA>       Reg
## 466   466         120        RM           NA    3072   Pave  <NA>       Reg
## 467   467          20        RL           85   10628   Pave  <NA>       Reg
## 468   468          70        RL           79    9480   Pave  <NA>       Reg
## 469   469          20        RL           98   11428   Pave  <NA>       IR1
## 470   470          60        RL           76    9291   Pave  <NA>       IR1
## 471   471         120        RL           NA    6820   Pave  <NA>       IR1
## 472   472          60        RL           92   11952   Pave  <NA>       Reg
## 473   473         180        RM           35    3675   Pave  <NA>       Reg
## 474   474          20        RL          110   14977   Pave  <NA>       IR1
## 475   475         120        RL           41    5330   Pave  <NA>       Reg
## 476   476          20        RL           80    8480   Pave  <NA>       Reg
## 477   477          20        RL           75   13125   Pave  <NA>       Reg
## 478   478          60        RL          105   13693   Pave  <NA>       Reg
## 479   479          20        RL           79   10637   Pave  <NA>       Reg
## 480   480          30        RM           50    5925   Pave  <NA>       Reg
## 481   481          20        RL           98   16033   Pave  <NA>       IR1
## 482   482          20        RL           72   11846   Pave  <NA>       IR1
## 483   483          70        RM           50    2500   Pave  Pave       Reg
## 484   484         120        RM           32    4500   Pave  <NA>       Reg
```

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## 485   485         20       RL          NA    7758   Pave  <NA>      IR1
## 486   486         20       RL          80    9600   Pave  <NA>      Reg
## 487   487         20       RL          79   10289   Pave  <NA>      Reg
## 488   488         20       RL          70   12243   Pave  <NA>      IR1
## 489   489        190       RL          60   10800   Pave  <NA>      Reg
## 490   490        180       RM          21    1526   Pave  <NA>      Reg
## 491   491        160       RM          NA    2665   Pave  <NA>      Reg
## 492   492         50       RL          79    9490   Pave  <NA>      Reg
## 493   493         60       RL         105   15578   Pave  <NA>      IR1
## 494   494         20       RL          70    7931   Pave  <NA>      Reg
## 495   495         30       RM          50    5784   Pave  <NA>      Reg
## 496   496         30  C (all)          60    7879   Pave  <NA>      Reg
## 497   497         20       RL          NA   12692   Pave  <NA>      IR1
## 498   498         50       RL          60    9120   Pave  Pave      Reg
## 499   499         20       RL          65    7800   Pave  <NA>      Reg
## 500   500         20       RL          70    7535   Pave  <NA>      IR1
## 501   501        160       RM          21    1890   Pave  <NA>      Reg
## 502   502         60       FV          75    9803   Pave  <NA>      Reg
## 503   503         20       RL          70    9170   Pave  <NA>      Reg
## 504   504         20       RL         100   15602   Pave  <NA>      IR1
## 505   505        160       RL          24    2308   Pave  <NA>      Reg
## 506   506         90       RM          60    7596   Pave  Grvl      Reg
## 507   507         60       RL          80    9554   Pave  <NA>      IR1
## 508   508         20       FV          75    7862   Pave  <NA>      IR1
## 509   509         70       RM          60    9600   Pave  <NA>      Reg
## 510   510         20       RL          80    9600   Pave  <NA>      Reg
## 511   511         20       RL          75   14559   Pave  <NA>      Reg
## 512   512        120       RL          40    6792   Pave  <NA>      IR1
## 513   513         20       RL          70    9100   Pave  <NA>      Reg
## 514   514         20       RL          71    9187   Pave  <NA>      Reg
## 515   515         45       RL          55   10594   Pave  <NA>      Reg
## 516   516         20       RL          94   12220   Pave  <NA>      Reg
## 517   517         80       RL          NA   10448   Pave  <NA>      IR1
## 518   518         60       RL          79   10208   Pave  <NA>      IR1
## 519   519         60       RL          NA    9531   Pave  <NA>      IR1
## 520   520         70       RL          53   10918   Pave  <NA>      Reg
## 521   521        190       RL          60   10800   Pave  Grvl      Reg
## 522   522         20       RL          90   11988   Pave  <NA>      IR1
## 523   523         50       RM          50    5000   Pave  <NA>      Reg
## 524   524         60       RL         130   40094   Pave  <NA>      IR1
## 525   525         60       RL          95   11787   Pave  <NA>      IR1
## 526   526         20       FV          62    7500   Pave  Pave      Reg
## 527   527         20       RL          70   13300   Pave  <NA>      Reg
## 528   528         60       RL          67   14948   Pave  <NA>      IR1
## 529   529         30       RL          58    9098   Pave  <NA>      IR1
## 530   530         20       RL          NA   32668   Pave  <NA>      IR1
## 531   531         80       RL          85   10200   Pave  <NA>      Reg
## 532   532         70       RM          60    6155   Pave  <NA>      IR1
## 533   533         20       RL          60    7200   Pave  <NA>      Reg
## 534   534         20       RL          50    5000   Pave  <NA>      Reg
## 535   535         60       RL          74    9056   Pave  <NA>      IR1
## 536   536        190       RL          70    7000   Pave  <NA>      Reg
## 537   537         60       RL          57    8924   Pave  <NA>      IR1
## 538   538         20       RL          NA   12735   Pave  <NA>      IR1
```

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## 539   539          20       RL          NA   11553   Pave  <NA>      IR1
## 540   540          20       RL          NA   11423   Pave  <NA>      Reg
## 541   541          20       RL          85   14601   Pave  <NA>      Reg
## 542   542          60       RL          NA   11000   Pave  <NA>      Reg
## 543   543          20       RL          78   10140   Pave  <NA>      Reg
## 544   544         120       RH          34    4058   Pave  <NA>      Reg
## 545   545          60       RL          58   17104   Pave  <NA>      IR1
## 546   546          50       RL          NA   13837   Pave  <NA>      IR1
## 547   547          50       RL          70    8737   Pave  <NA>      IR1
## 548   548          85       RL          54    7244   Pave  <NA>      Reg
## 549   549          20       RM          49    8235   Pave  <NA>      IR1
## 550   550          60       FV          75    9375   Pave  <NA>      Reg
## 551   551         120       RL          53    4043   Pave  <NA>      Reg
## 552   552          20       RM          50    6000   Pave  <NA>      Reg
## 553   553          20       RL          87   11146   Pave  <NA>      IR1
## 554   554          20       RL          67    8777   Pave  <NA>      Reg
## 555   555          60       RL          85   10625   Pave  <NA>      Reg
## 556   556          45       RM          58    6380   Pave  <NA>      Reg
## 557   557          20       RL          69   14850   Pave  <NA>      IR1
## 558   558          50  C (all)          60   11040   Pave  <NA>      Reg
## 559   559          60       RL          57   21872   Pave  <NA>      IR2
## 560   560         120       RL          NA    3196   Pave  <NA>      Reg
## 561   561          20       RL          NA   11341   Pave  <NA>      IR1
## 562   562          20       RL          77   10010   Pave  <NA>      Reg
## 563   563          30       RL          63   13907   Pave  <NA>      Reg
## 564   564          50       RL          66   21780   Pave  <NA>      Reg
## 565   565          60       RL          NA   13346   Pave  <NA>      IR1
## 566   566          70       RL          66    6858   Pave  <NA>      Reg
## 567   567          60       RL          77   11198   Pave  <NA>      IR1
## 568   568          20       RL          70   10171   Pave  <NA>      IR1
## 569   569          50       RL          79   12327   Pave  <NA>      IR1
## 570   570          90       RL          NA    7032   Pave  <NA>      IR1
## 571   571          90       RL          74   13101   Pave  <NA>      IR1
## 572   572          20       RL          60    7332   Pave  <NA>      Reg
## 573   573          60       RL          83   13159   Pave  <NA>      IR1
## 574   574          80       RL          76    9967   Pave  <NA>      IR1
## 575   575          80       RL          70   10500   Pave  <NA>      Reg
## 576   576          50       RL          80    8480   Pave  <NA>      Reg
## 577   577          50       RL          52    6292   Pave  <NA>      Reg
## 578   578          80       RL          96   11777   Pave  <NA>      IR1
## 579   579         160       FV          34    3604   Pave  Pave      Reg
## 580   580          50       RM          81   12150   Pave  Grvl      Reg
## 581   581          20       RL          NA   14585   Pave  <NA>      IR1
## 582   582          20       RL          98   12704   Pave  <NA>      Reg
## 583   583          90       RL          81   11841   Grvl  <NA>      Reg
## 584   584          75       RM          75   13500   Pave  <NA>      Reg
## 585   585          50       RM          51    6120   Pave  <NA>      Reg
## 586   586          20       RL          88   11443   Pave  <NA>      Reg
## 587   587          30       RL          55   10267   Pave  <NA>      Reg
## 588   588          85       RL          74    8740   Pave  <NA>      IR1
## 589   589          20       RL          65   25095   Pave  <NA>      IR1
## 590   590          40       RM          50    9100   Pave  <NA>      Reg
## 591   591          60       RL          64    8320   Pave  <NA>      Reg
## 592   592          60       RL          97   13478   Pave  <NA>      IR1
```

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## 593   593          20       RL          60    6600   Pave  <NA>      Reg
## 594   594         120       RM          NA    4435   Pave  <NA>      Reg
## 595   595          20       RL          88    7990   Pave  <NA>      IR1
## 596   596          20       RL          69   11302   Pave  <NA>      IR1
## 597   597          70       RM          60    3600   Pave  Grvl      Reg
## 598   598         120       RL          53    3922   Pave  <NA>      Reg
## 599   599          20       RL          80   12984   Pave  <NA>      Reg
## 600   600         160       RM          24    1950   Pave  <NA>      Reg
## 601   601          60       RL          74   10927   Pave  <NA>      Reg
## 602   602          50       RM          50    9000   Pave  <NA>      Reg
## 603   603          60       RL          80   10041   Pave  <NA>      IR1
## 604   604         160       FV          30    3182   Pave  Pave      Reg
## 605   605          20       RL          88   12803   Pave  <NA>      IR1
## 606   606          60       RL          85   13600   Pave  <NA>      Reg
## 607   607          20       RL          82   12464   Pave  <NA>      IR2
## 608   608          20       RL          78    7800   Pave  <NA>      Reg
## 609   609          70       RL          78   12168   Pave  <NA>      Reg
## 610   610          20       RL          61    7943   Pave  <NA>      Reg
## 611   611          60       RL          NA   11050   Pave  <NA>      Reg
## 612   612          80       RL          NA   10395   Pave  <NA>      IR1
## 613   613          60       RL          NA   11885   Pave  <NA>      Reg
## 614   614          20       RL          70    8402   Pave  <NA>      Reg
## 615   615         180       RM          21    1491   Pave  <NA>      Reg
## 616   616          85       RL          80    8800   Pave  <NA>      Reg
## 617   617          60       RL          NA    7861   Pave  <NA>      IR1
## 618   618          45       RL          59    7227   Pave  <NA>      Reg
## 619   619          20       RL          90   11694   Pave  <NA>      Reg
## 620   620          60       RL          85   12244   Pave  <NA>      Reg
## 621   621          30       RL          45    8248   Pave  Grvl      Reg
## 622   622          60       RL          90   10800   Pave  <NA>      Reg
## 623   623          20       RL          71    7064   Pave  <NA>      Reg
## 624   624         160       FV          NA    2117   Pave  <NA>      Reg
## 625   625          60       RL          80   10400   Pave  <NA>      Reg
## 626   626          20       RL          87   10000   Pave  <NA>      IR1
## 627   627          20       RL          NA   12342   Pave  <NA>      IR1
## 628   628          80       RL          80    9600   Pave  <NA>      Reg
## 629   629          60       RL          70   11606   Pave  <NA>      IR1
## 630   630          80       RL          82    9020   Pave  <NA>      Reg
## 631   631          70       RM          50    9000   Pave  Grvl      Reg
## 632   632         120       RL          34    4590   Pave  <NA>      Reg
## 633   633          20       RL          85   11900   Pave  <NA>      Reg
## 634   634          20       RL          80    9250   Pave  <NA>      Reg
## 635   635          90       RL          64    6979   Pave  <NA>      Reg
## 636   636         190       RH          60   10896   Pave  Pave      Reg
## 637   637          30       RM          51    6120   Pave  <NA>      Reg
## 638   638         190       RM          50    6000   Pave  <NA>      Reg
## 639   639          30       RL          67    8777   Pave  <NA>      Reg
## 640   640         120       RL          53    3982   Pave  <NA>      Reg
## 641   641         120       RL          62   12677   Pave  <NA>      IR1
## 642   642          60       FV          NA    7050   Pave  <NA>      Reg
## 643   643          80       RL          75   13860   Pave  <NA>      Reg
## 644   644          60       RL          80   10793   Pave  <NA>      Reg
## 645   645          20       FV          85    9187   Pave  <NA>      Reg
## 646   646          20       RL          NA   10530   Pave  <NA>      IR1
```

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## 647   647          20       RL          60    7200   Pave  <NA>      Reg
## 648   648          20       RL          85   10452   Pave  <NA>      IR1
## 649   649          60       RL          70    7700   Pave  <NA>      Reg
## 650   650         180       RM          21    1936   Pave  <NA>      Reg
## 651   651          60       FV          65    8125   Pave  <NA>      Reg
## 652   652          70       RL          60    9084   Pave  <NA>      Reg
## 653   653          60       RL          70    8750   Pave  <NA>      Reg
## 654   654          50       RM          60   10320   Pave  Grvl      Reg
## 655   655          20       RL          91   10437   Pave  <NA>      IR1
## 656   656         160       RM          21    1680   Pave  <NA>      Reg
## 657   657          20       RL          72   10007   Pave  <NA>      IR1
## 658   658          70       RL          60    7200   Pave  <NA>      Reg
## 659   659          50       RL          78   17503   Pave  <NA>      Reg
## 660   660          20       RL          75    9937   Pave  <NA>      Reg
## 661   661          60       RL          NA   12384   Pave  <NA>      Reg
## 662   662          60       RL          52   46589   Pave  <NA>      IR2
## 663   663          20       RL         120   13560   Pave  <NA>      Reg
## 664   664          85       RL          90   10012   Pave  <NA>      Reg
## 665   665          20       RL          49   20896   Pave  <NA>      IR2
## 666   666          60       RL         106   11194   Pave  <NA>      IR1
## 667   667          60       RL          NA   18450   Pave  <NA>      IR1
## 668   668          20       RL          65    8125   Pave  <NA>      Reg
## 669   669          20       RL          NA   14175   Pave  <NA>      Reg
## 670   670          30       RL          80   11600   Pave  <NA>      Reg
## 671   671          60       RL          64    8633   Pave  <NA>      Reg
## 672   672          70       RH          54    6629   Pave  <NA>      Reg
## 673   673          20       RL          NA   11250   Pave  <NA>      IR1
## 674   674          20       RL         110   14442   Pave  <NA>      Reg
## 675   675          20       RL          80    9200   Pave  <NA>      Reg
## 676   676         160       RL          24    2289   Pave  <NA>      Reg
## 677   677          70       RM          60    9600   Pave  Grvl      Reg
## 678   678          30       RL          52    9022   Pave  <NA>      Reg
## 679   679          20       RL          80   11844   Pave  <NA>      IR1
## 680   680          20       RL          NA    9945   Pave  <NA>      IR1
## 681   681         120       RL          50    8012   Pave  <NA>      Reg
## 682   682          50       RH          55    4500   Pave  Pave      IR2
## 683   683         120       RL          NA    2887   Pave  <NA>      Reg
## 684   684          20       RL          90   11248   Pave  <NA>      IR1
## 685   685          60       RL          58   16770   Pave  <NA>      IR2
## 686   686         160       RL          NA    5062   Pave  <NA>      IR1
## 687   687          60       FV          84   10207   Pave  <NA>      Reg
## 688   688         160       FV          NA    5105   Pave  <NA>      IR2
## 689   689          20       RL          60    8089   Pave  <NA>      Reg
## 690   690         120       RL          61    7577   Pave  <NA>      IR1
## 691   691         120       RM          NA    4426   Pave  <NA>      Reg
## 692   692          60       RL         104   21535   Pave  <NA>      IR1
## 693   693          60       RL          42   26178   Pave  <NA>      IR1
## 694   694          30       RL          60    5400   Pave  <NA>      Reg
## 695   695          50       RM          51    6120   Pave  <NA>      Reg
## 696   696          20       RL          54   13811   Pave  <NA>      IR1
## 697   697          30       RM          50    6000   Pave  <NA>      Reg
## 698   698          20       RL          57    6420   Pave  <NA>      IR1
## 699   699          20       RL          65    8450   Pave  <NA>      Reg
## 700   700         120       FV          59    4282   Pave  Pave      IR2
```

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## 701   701          20       RL          85   14331   Pave  <NA>      Reg
## 702   702          20       RL          80    9600   Pave  <NA>      Reg
## 703   703          60       RL          82   12438   Pave  <NA>      IR1
## 704   704         190       RM          76    7630   Pave  <NA>      Reg
## 705   705          20       RL          70    8400   Pave  <NA>      Reg
## 706   706         190       RM          70    5600   Pave  <NA>      Reg
## 707   707          20       RL          NA  115149   Pave  <NA>      IR2
## 708   708         120       RL          48    6240   Pave  <NA>      Reg
## 709   709          60       RL          65    9018   Pave  <NA>      IR1
## 710   710          20       RL          NA    7162   Pave  <NA>      IR1
## 711   711          30       RL          56    4130   Pave  <NA>      IR1
## 712   712          50  C (all)          66    8712   Pave  Pave      Reg
## 713   713         120       RL          40    4671   Pave  <NA>      IR1
## 714   714         190       RL          60    9873   Pave  <NA>      Reg
## 715   715          60       RL          NA   13517   Pave  <NA>      IR1
## 716   716          20       RL          78   10140   Pave  <NA>      Reg
## 717   717          70       RM          60   10800   Pave  Grvl      Reg
## 718   718          20       RL          80   10000   Pave  <NA>      Reg
## 719   719          60       RL          96   10542   Pave  <NA>      Reg
## 720   720          20       RL          69    9920   Pave  <NA>      IR1
## 721   721         120       RL          NA    6563   Pave  <NA>      IR1
## 722   722         120       RM          NA    4426   Pave  <NA>      Reg
## 723   723          20       RL          70    8120   Pave  <NA>      Reg
## 724   724          50       RL          60    8172   Pave  <NA>      Reg
## 725   725          20       RL          86   13286   Pave  <NA>      IR1
## 726   726          20       RL          60    6960   Pave  <NA>      Reg
## 727   727          20       RL          NA   21695   Pave  <NA>      IR1
## 728   728          20       RL          64    7314   Pave  <NA>      Reg
## 729   729          90       RL          85   11475   Pave  <NA>      Reg
## 730   730          30       RM          52    6240   Pave  Grvl      Reg
## 731   731         120       RL          39    5389   Pave  <NA>      IR1
## 732   732          80       RL          73    9590   Pave  <NA>      IR1
## 733   733          60       RL          75   11404   Pave  <NA>      IR1
## 734   734          20       RL          80   10000   Pave  <NA>      Reg
## 735   735          20       RL          NA    8978   Pave  <NA>      IR1
## 736   736          75       RM          60   10800   Pave  <NA>      Reg
## 737   737          90       RL          60    8544   Pave  <NA>      Reg
## 738   738          60       RL          72   10463   Pave  <NA>      IR1
## 739   739          90       RL          60   10800   Pave  <NA>      Reg
## 740   740          60       RL          65    9313   Pave  <NA>      IR1
## 741   741          70       RM          60    9600   Pave  Grvl      Reg
## 742   742          20       RL          65    6768   Pave  <NA>      IR1
## 743   743          20       RL          65    8450   Pave  <NA>      Reg
## 744   744          80       RL          70   12886   Pave  <NA>      IR1
## 745   745         120       RL          41    5395   Pave  <NA>      IR1
## 746   746          60       RL          NA    8963   Pave  <NA>      IR1
## 747   747          60       RL          NA    8795   Pave  <NA>      IR1
## 748   748          70       RM          65   11700   Pave  Pave      IR1
## 749   749          20       RL          59   10593   Pave  <NA>      IR1
## 750   750          50       RL          50    8405   Pave  <NA>      Reg
## 751   751          50       RM          55    8800   Pave  Grvl      Reg
## 752   752          60       RL          NA    7750   Pave  <NA>      Reg
## 753   753          20       RL          79    9236   Pave  <NA>      IR1
## 754   754          60       RL          80   10240   Pave  <NA>      Reg
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## 755   755          20       RL          61    7930   Pave  <NA>      Reg
## 756   756         160       FV          34    3230   Pave  Pave      Reg
## 757   757          60       RL          68   10769   Pave  <NA>      IR1
## 758   758          60       RL          NA   11616   Pave  <NA>      IR1
## 759   759         160       FV          24    2280   Pave  Pave      Reg
## 760   760          60       RL          65   12257   Pave  <NA>      IR1
## 761   761          20       RL          70    9100   Pave  <NA>      Reg
## 762   762          30       RM          60    6911   Pave  <NA>      Reg
## 763   763          60       FV          72    8640   Pave  <NA>      Reg
## 764   764          60       RL          82    9430   Pave  <NA>      Reg
## 765   765         120       RL          30    9549   Pave  <NA>      IR1
## 766   766          20       RL          75   14587   Pave  <NA>      IR1
## 767   767          60       RL          80   10421   Pave  <NA>      Reg
## 768   768          50       RL          75   12508   Pave  <NA>      IR1
## 769   769          20       RL          70    9100   Pave  <NA>      Reg
## 770   770          60       RL          47   53504   Pave  <NA>      IR2
## 771   771          85       RL          NA    7252   Pave  <NA>      IR1
## 772   772          20       RL          67    8877   Pave  <NA>      Reg
## 773   773          80       RL          94    7819   Pave  <NA>      Reg
## 774   774          20       RL          70   10150   Pave  <NA>      Reg
## 775   775          20       RL         110   14226   Pave  <NA>      Reg
## 776   776         120       RM          32    4500   Pave  <NA>      Reg
## 777   777          20       RL          86   11210   Pave  <NA>      IR1
## 778   778          20       RL         100   13350   Pave  <NA>      IR1
## 779   779          90       RH          60    8400   Pave  <NA>      Reg
## 780   780          90       RL          78   10530   Pave  <NA>      Reg
## 781   781          20       RL          63    7875   Pave  <NA>      Reg
## 782   782          60       RL          65    7153   Pave  <NA>      Reg
## 783   783          20       RL          67   16285   Pave  <NA>      IR2
## 784   784          85       RL          NA    9101   Pave  <NA>      IR1
## 785   785          75       RM          35    6300   Pave  Grvl      Reg
## 786   786          20       RL          NA    9790   Pave  <NA>      Reg
## 787   787          50       RM          60   10800   Pave  <NA>      Reg
## 788   788          60       RL          76   10142   Pave  <NA>      IR1
## 789   789          20       RM          50    6000   Pave  <NA>      Reg
## 790   790          60       RL          NA   12205   Pave  <NA>      IR1
## 791   791         120       RL          43    3182   Pave  <NA>      Reg
## 792   792          80       RL          NA   11333   Pave  <NA>      IR1
## 793   793          60       RL          92    9920   Pave  <NA>      IR1
## 794   794          20       RL          76    9158   Pave  <NA>      Reg
## 795   795          60       RL          NA   10832   Pave  <NA>      IR1
## 796   796          60       RL          70    8400   Pave  <NA>      Reg
## 797   797          20       RL          71    8197   Pave  <NA>      Reg
## 798   798          20       RL          57    7677   Pave  <NA>      Reg
## 799   799          60       RL         104   13518   Pave  <NA>      Reg
## 800   800          50       RL          60    7200   Pave  <NA>      Reg
## 801   801          60       RL          79   12798   Pave  <NA>      IR1
## 802   802          30       RM          40    4800   Pave  <NA>      Reg
## 803   803          60       RL          63    8199   Pave  <NA>      Reg
## 804   804          60       RL         107   13891   Pave  <NA>      Reg
## 805   805          20       RL          75    9000   Pave  <NA>      Reg
## 806   806          20       RL          91   12274   Pave  <NA>      IR1
## 807   807          80       RL          75    9750   Pave  <NA>      Reg
## 808   808          70       RL         144   21384   Pave  <NA>      Reg
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## 809   809          80       RL          85   13400   Pave  <NA>      Reg
## 810   810          75       RM          90    8100   Pave  <NA>      Reg
## 811   811          20       RL          78   10140   Pave  <NA>      Reg
## 812   812         120       RM          NA    4438   Pave  <NA>      Reg
## 813   813          20  C (all)          66    8712   Grvl  <NA>      Reg
## 814   814          20       RL          75    9750   Pave  <NA>      Reg
## 815   815          50       RL          45    8248   Pave  Grvl      Reg
## 816   816          20       RL          48   12137   Pave  <NA>      IR2
## 817   817          20       RL          NA   11425   Pave  <NA>      IR1
## 818   818          20       RL          NA   13265   Pave  <NA>      IR1
## 819   819          80       RL          80    8816   Pave  <NA>      Reg
## 820   820         120       RL          44    6371   Pave  <NA>      IR1
## 821   821          60       RL          72    7226   Pave  <NA>      IR1
## 822   822          20       RM          60    6000   Pave  Pave      Reg
## 823   823          60       RL          NA   12394   Pave  <NA>      IR1
## 824   824          50       RL          60    9900   Pave  <NA>      Reg
## 825   825          20       FV          81   11216   Pave  <NA>      Reg
## 826   826          20       RL         114   14803   Pave  <NA>      Reg
## 827   827          45       RM          50    6130   Pave  <NA>      Reg
## 828   828          20       RL          65    8529   Pave  <NA>      IR1
## 829   829          60       RL          NA   28698   Pave  <NA>      IR2
## 830   830         160       FV          24    2544   Pave  Pave      Reg
## 831   831          20       RL          80   11900   Pave  <NA>      IR1
## 832   832         160       FV          30    3180   Pave  Pave      Reg
## 833   833          60       RL          44    9548   Pave  <NA>      IR1
## 834   834          20       RL         100   10004   Pave  <NA>      Reg
## 835   835          20       RL          75    7875   Pave  <NA>      Reg
## 836   836          20       RL          60    9600   Pave  <NA>      Reg
## 837   837          30       RM          90    8100   Pave  Pave      Reg
## 838   838         160       RM          21    1680   Pave  <NA>      Reg
## 839   839          20       RL          75    9525   Pave  <NA>      Reg
## 840   840          50       RL          70   11767   Pave  <NA>      Reg
## 841   841          70       RH          NA   12155   Pave  <NA>      IR1
## 842   842          70       RM          60   10440   Pave  Grvl      Reg
## 843   843          80       RL          82    9020   Pave  <NA>      Reg
## 844   844          90       RL          80    8000   Pave  <NA>      Reg
## 845   845          50       RM         100   12665   Pave  Grvl      IR1
## 846   846          85       RL          NA   16647   Pave  <NA>      IR1
## 847   847          60       RL          75    9317   Pave  <NA>      Reg
## 848   848          20       RL          36   15523   Pave  <NA>      IR1
## 849   849          50       RL          75   45600   Pave  <NA>      IR2
## 850   850          80       RL          80    9600   Pave  <NA>      Reg
## 851   851         120       RM          36    4435   Pave  <NA>      Reg
## 852   852         120       RL          NA    3196   Pave  <NA>      Reg
## 853   853          75       RL          53    7128   Pave  <NA>      Reg
## 854   854          80       RL          NA   12095   Pave  <NA>      IR1
## 855   855          20       RL         102   17920   Pave  <NA>      Reg
## 856   856          20       RL          NA    6897   Pave  <NA>      IR1
## 857   857          80       RL          NA   10970   Pave  <NA>      IR1
## 858   858          60       RL          65    8125   Pave  <NA>      Reg
## 859   859          20       RL          80   10400   Pave  <NA>      Reg
## 860   860          60       RL          NA   11029   Pave  <NA>      IR1
## 861   861          50       RL          55    7642   Pave  <NA>      Reg
## 862   862         190       RL          75   11625   Pave  <NA>      Reg
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## 863   863          20       RL          81    9672   Pave  <NA>       Reg
## 864   864          20       RL          70    7931   Pave  <NA>       Reg
## 865   865          20       FV          72    8640   Pave  <NA>       Reg
## 866   866          20       RL          NA    8750   Pave  <NA>       IR1
## 867   867          20       RL          67   10656   Pave  <NA>       IR1
## 868   868          20       RL          85    6970   Pave  <NA>       Reg
## 869   869          60       RL          NA   14762   Pave  <NA>       IR2
## 870   870          60       RL          80    9938   Pave  <NA>       Reg
## 871   871          20       RL          60    6600   Pave  <NA>       Reg
## 872   872          60       RL          70    8750   Pave  <NA>       Reg
## 873   873          20       RL          74    8892   Pave  <NA>       Reg
## 874   874          40       RL          60   12144   Pave  <NA>       Reg
## 875   875          50       RM          52    5720   Pave  <NA>       Reg
## 876   876          60       FV          75    9000   Pave  <NA>       Reg
## 877   877          20       RL          94   25286   Pave  <NA>       Reg
## 878   878          60       RL          74    8834   Pave  <NA>       Reg
## 879   879          85       RL          88   11782   Pave  <NA>       IR1
## 880   880          20       RL          NA    7000   Pave  <NA>       IR1
## 881   881          20       RL          60    7024   Pave  <NA>       Reg
## 882   882          50       RL          44   13758   Pave  <NA>       IR1
## 883   883          60       RL          NA    9636   Pave  <NA>       IR1
## 884   884          75       RL          60    6204   Pave  <NA>       Reg
## 885   885          20       RL          65    7150   Pave  <NA>       Reg
## 886   886         120       FV          50    5119   Pave  <NA>       IR1
## 887   887          90       RL          70    8393   Pave  <NA>       Reg
## 888   888          50       RL          59   16466   Pave  <NA>       IR1
## 889   889          20       RL          95   15865   Pave  <NA>       IR1
## 890   890          20       RL         128   12160   Pave  <NA>       Reg
## 891   891          50       RL          60    8064   Pave  <NA>       Reg
## 892   892          60       RL          70   11184   Pave  <NA>       Reg
## 893   893          20       RL          70    8414   Pave  <NA>       Reg
## 894   894          20       RL          NA   13284   Pave  <NA>       Reg
## 895   895          90       RL          64    7018   Pave  <NA>       Reg
## 896   896          60       RL          71    7056   Pave  <NA>       Reg
## 897   897          30       RM          50    8765   Pave  Grvl       Reg
## 898   898          90       RL          64    7018   Pave  <NA>       Reg
## 899   899          20       RL         100   12919   Pave  <NA>       IR1
## 900   900          20       RL          65    6993   Pave  <NA>       Reg
## 901   901          20       RL          NA    7340   Pave  <NA>       IR1
## 902   902          20       RL          64    8712   Pave  <NA>       IR1
## 903   903          60       RL          63    7875   Pave  <NA>       Reg
## 904   904          20       RL          50   14859   Pave  <NA>       IR1
## 905   905          20       RL          NA    6173   Pave  <NA>       IR1
## 906   906          20       RL          80    9920   Pave  <NA>       Reg
## 907   907          20       RL         116   13501   Pave  <NA>       IR1
## 908   908          50       RL          86   11500   Pave  <NA>       IR1
## 909   909          20       RL          NA    8885   Pave  <NA>       IR1
## 910   910          60       RL         149   12589   Pave  <NA>       IR2
## 911   911          90       RL          80   11600   Pave  <NA>       Reg
## 912   912          20       RL          NA    9286   Pave  <NA>       IR1
## 913   913          30       RM          51    6120   Pave  <NA>       Reg
## 914   914          90       RH          82    6270   Pave  <NA>       Reg
## 915   915         160       FV          30    3000   Pave  Pave       Reg
## 916   916         160       RM          21    2001   Pave  <NA>       Reg
```

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## 917   917          20  C (all)          50    9000   Pave  <NA>      Reg
## 918   918          20       RL          NA   17140   Pave  <NA>      Reg
## 919   919          60       RL         103   13125   Pave  <NA>      IR1
## 920   920          20       RL          87   11029   Pave  <NA>      IR1
## 921   921          60       RL          70    8462   Pave  <NA>      IR1
## 922   922          90       RL          67    8777   Pave  <NA>      Reg
## 923   923          20       RL          65   10237   Pave  <NA>      Reg
## 924   924         120       RL          50    8012   Pave  <NA>      Reg
## 925   925          20       RL          79   10240   Pave  <NA>      Reg
## 926   926          20       RL          NA   15611   Pave  <NA>      IR1
## 927   927          60       RL          93   11999   Pave  <NA>      Reg
## 928   928          60       RL          NA    9900   Pave  <NA>      Reg
## 929   929          20       RL          NA   11838   Pave  <NA>      Reg
## 930   930          60       RL          NA   13006   Pave  <NA>      IR1
## 931   931          20       RL          73    8925   Pave  <NA>      IR1
## 932   932          20       RL          70    9100   Pave  <NA>      Reg
## 933   933          20       RL          84   11670   Pave  <NA>      IR1
## 934   934          20       RL          63    8487   Pave  <NA>      Reg
## 935   935          20       RL         313   27650   Pave  <NA>      IR2
## 936   936          30       RL          52    5825   Pave  <NA>      IR1
## 937   937          20       RL          67   10083   Pave  <NA>      Reg
## 938   938          60       RL          75    9675   Pave  <NA>      Reg
## 939   939          60       RL          73    8760   Pave  <NA>      Reg
## 940   940          70       RL          NA   24090   Pave  <NA>      Reg
## 941   941          90       RL          55   12640   Pave  <NA>      IR1
## 942   942          60       RL          NA    8755   Pave  <NA>      IR1
## 943   943          90       RL          42    7711   Pave  <NA>      IR1
## 944   944          90       RL         100   25000   Pave  <NA>      Reg
## 945   945          20       RL          NA   14375   Pave  <NA>      IR1
## 946   946          50       RM          98    8820   Pave  <NA>      Reg
## 947   947          80       RL          70    8163   Pave  <NA>      Reg
## 948   948          20       RL          85   14536   Pave  <NA>      Reg
## 949   949          60       RL          65   14006   Pave  <NA>      IR1
## 950   950          20       RL          78    9360   Pave  <NA>      Reg
## 951   951          20       RL          60    7200   Pave  <NA>      Reg
## 952   952          20       RH          60    7800   Pave  <NA>      Reg
## 953   953          85       RL          60    7200   Pave  <NA>      Reg
## 954   954          60       RL          NA   11075   Pave  <NA>      IR1
## 955   955          90       RL          35    9400   Pave  <NA>      IR1
## 956   956          90       RH          82    7136   Pave  <NA>      IR1
## 957   957         160       RM          24    1300   Pave  <NA>      Reg
## 958   958          20       RL          70    7420   Pave  <NA>      Reg
## 959   959          20       RL          65    8450   Pave  <NA>      Reg
## 960   960         160       FV          24    2572   Pave  <NA>      Reg
## 961   961          20       RL          50    7207   Pave  <NA>      IR1
## 962   962          60       RL          NA   12227   Pave  <NA>      IR1
## 963   963         160       RL          24    2308   Pave  <NA>      Reg
## 964   964          20       RL         122   11923   Pave  <NA>      IR1
## 965   965          60       RL          80   11316   Pave  <NA>      Reg
## 966   966          60       RL          65   10237   Pave  <NA>      Reg
## 967   967          50       RL         130    9600   Pave  <NA>      IR1
## 968   968          20       RL          NA    7390   Pave  <NA>      IR1
## 969   969          50       RM          50    5925   Pave  <NA>      Reg
## 970   970         190       RL          75   10382   Pave  <NA>      Reg
```

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## 971   971          50       RL          60   10800   Pave  <NA>      Reg
## 972   972         160       RL          36    2268   Pave  <NA>      Reg
## 973   973         120       RL          55    7892   Pave  <NA>      Reg
## 974   974          20       FV          95   11639   Pave  <NA>      Reg
## 975   975          70       RL          60   11414   Pave  <NA>      IR1
## 976   976         160       FV          NA    2651   Pave  <NA>      Reg
## 977   977          30       RL          51    5900   Pave  <NA>      IR1
## 978   978         120       FV          35    4274   Pave  Pave      IR1
## 979   979          20       RL          68    9450   Pave  <NA>      Reg
## 980   980          20       RL          80    8816   Pave  <NA>      Reg
## 981   981          85       RL          NA   12122   Pave  <NA>      IR1
## 982   982          60       RL          98   12203   Pave  <NA>      IR1
## 983   983          20       RL          43    3182   Pave  <NA>      Reg
## 984   984          60       RL          NA   11250   Pave  <NA>      Reg
## 985   985          90       RL          75   10125   Pave  <NA>      Reg
## 986   986         190       RL          68   10880   Pave  <NA>      Reg
## 987   987          50       RM          59    5310   Pave  <NA>      Reg
## 988   988          20       RL          83   10159   Pave  <NA>      IR1
## 989   989          60       RL          NA   12046   Pave  <NA>      IR1
## 990   990          60       FV          65    8125   Pave  <NA>      Reg
## 991   991          60       RL          82    9452   Pave  <NA>      Reg
## 992   992          70       RM         121   17671   Pave  Grvl      Reg
## 993   993          60       RL          80    9760   Pave  <NA>      Reg
## 994   994          60       RL          68    8846   Pave  <NA>      Reg
## 995   995          20       RL          96   12456   Pave  <NA>      Reg
## 996   996          50       RL          51    4712   Pave  <NA>      IR1
## 997   997          20       RL          NA   10659   Pave  <NA>      IR1
## 998   998          20       RL          NA   11717   Pave  <NA>      IR1
## 999   999          30       RM          60    9786   Pave  <NA>      Reg
## 1000 1000          20       RL          64    6762   Pave  <NA>      Reg
## 1001 1001          20       RL          74   10206   Pave  <NA>      Reg
## 1002 1002          30       RL          60    5400   Pave  <NA>      Reg
## 1003 1003          20       RL          75   11957   Pave  <NA>      IR1
## 1004 1004          90       RL          NA   11500   Pave  <NA>      IR1
## 1005 1005         120       RL          43    3182   Pave  <NA>      Reg
## 1006 1006          80       RL          65    8385   Pave  <NA>      Reg
## 1007 1007          20       RL          NA   12155   Pave  <NA>      IR3
## 1008 1008         160       RM          21    2217   Pave  <NA>      Reg
## 1009 1009          20       RL          43   12118   Pave  <NA>      IR1
## 1010 1010          50       RL          60    6000   Pave  <NA>      Reg
## 1011 1011          50       RL         115   21286   Pave  <NA>      Reg
## 1012 1012          90       RL          75    9825   Pave  <NA>      Reg
## 1013 1013          70       RL          55   10592   Pave  <NA>      Reg
## 1014 1014          30       RM          60    7200   Pave  <NA>      Reg
## 1015 1015          20       RL          60   11664   Pave  <NA>      Reg
## 1016 1016          60       RL          70    8400   Pave  <NA>      Reg
## 1017 1017          20       RL          73   11883   Pave  <NA>      Reg
## 1018 1018         120       RL          NA    5814   Pave  <NA>      IR1
## 1019 1019          80       RL          NA   10784   Pave  <NA>      IR1
## 1020 1020         120       RL          43    3013   Pave  <NA>      Reg
## 1021 1021          20       RL          60    7024   Pave  <NA>      Reg
## 1022 1022          20       RL          64    7406   Pave  <NA>      Reg
## 1023 1023          50       RM          52    9439   Pave  <NA>      Reg
## 1024 1024         120       RL          43    3182   Pave  <NA>      Reg
```

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## 1025 1025          20       RL          NA   15498   Pave  <NA>      IR1
## 1026 1026          20       RL          70    7700   Pave  <NA>      Reg
## 1027 1027          20       RL          73    9300   Pave  <NA>      Reg
## 1028 1028          20       RL          71    9520   Pave  <NA>      IR1
## 1029 1029          50       RL          79    9492   Pave  <NA>      Reg
## 1030 1030         160       RM          21    1680   Pave  <NA>      Reg
## 1031 1031         190       RH          NA    7082   Pave  <NA>      Reg
## 1032 1032          75       RL         102   15863   Pave  <NA>      Reg
## 1033 1033          60       RL          NA   14541   Pave  <NA>      IR1
## 1034 1034          20       RL          NA    8125   Pave  <NA>      Reg
## 1035 1035          30       RL          50    6305   Pave  <NA>      Reg
## 1036 1036          20       RL          NA   11500   Pave  <NA>      IR1
## 1037 1037          20       RL          89   12898   Pave  <NA>      IR1
## 1038 1038          60       RL          NA    9240   Pave  <NA>      Reg
## 1039 1039         160       RM          21    1533   Pave  <NA>      Reg
## 1040 1040         180       RM          21    1477   Pave  <NA>      Reg
## 1041 1041          20       RL          88   13125   Pave  <NA>      Reg
## 1042 1042          60       RL          NA    9130   Pave  <NA>      Reg
## 1043 1043         120       RL          34    5381   Pave  <NA>      IR1
## 1044 1044          60       RL          86   11839   Pave  <NA>      Reg
## 1045 1045          20       RL          80    9600   Pave  <NA>      Reg
## 1046 1046          20       RL          NA   13680   Pave  <NA>      IR1
## 1047 1047          60       RL          85   16056   Pave  <NA>      IR1
## 1048 1048          20       RL          57    9245   Pave  <NA>      IR2
## 1049 1049          20       RL         100   21750   Pave  <NA>      Reg
## 1050 1050          20       RL          60   11100   Pave  <NA>      Reg
## 1051 1051          20       RL          73    8993   Pave  <NA>      IR1
## 1052 1052          20       RL         103   11175   Pave  <NA>      IR1
## 1053 1053          60       RL         100    9500   Pave  <NA>      Reg
## 1054 1054          20       RL          68    8562   Pave  <NA>      Reg
## 1055 1055          60       RL          90   11367   Pave  <NA>      Reg
## 1056 1056          20       RL         104   11361   Pave  <NA>      Reg
## 1057 1057         120       RL          43    7052   Pave  <NA>      IR1
## 1058 1058          60       RL          NA   29959   Pave  <NA>      IR2
## 1059 1059          60       RL          96   11308   Pave  <NA>      IR1
## 1060 1060          50       RL          NA   11275   Pave  <NA>      IR1
## 1061 1061         120       RL          41    4920   Pave  <NA>      Reg
## 1062 1062          30  C (all)         120   18000   Grvl  <NA>      Reg
## 1063 1063         190       RM          85   13600   Pave  Grvl      Reg
## 1064 1064          30       RM          50    6000   Pave  <NA>      Reg
## 1065 1065          20       RL          NA   11000   Pave  <NA>      IR1
## 1066 1066          60       RL          80   14000   Pave  <NA>      Reg
## 1067 1067          60       RL          59    7837   Pave  <NA>      IR1
## 1068 1068          60       RL          80    9760   Pave  <NA>      Reg
## 1069 1069         160       RM          42    3964   Pave  <NA>      Reg
## 1070 1070          45       RL          60    9600   Pave  <NA>      Reg
## 1071 1071          20       RL          72   10152   Pave  <NA>      Reg
## 1072 1072          60       RL          78   11700   Pave  <NA>      Reg
## 1073 1073          50       RL          50    7585   Pave  <NA>      Reg
## 1074 1074          60       RL          75    7950   Pave  <NA>      IR1
## 1075 1075          20       RL          74    8556   Pave  <NA>      Reg
## 1076 1076          70       RL          75   13125   Pave  <NA>      Reg
## 1077 1077          50       RL          60   10800   Pave  Grvl      Reg
## 1078 1078          20       RL          NA   15870   Pave  <NA>      IR1
```

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## 1079 1079        120       RM          37    4435   Pave  <NA>      Reg
## 1080 1080         20       RL          65    8775   Pave  <NA>      Reg
## 1081 1081         20       RL          80   11040   Pave  <NA>      Reg
## 1082 1082         20       RL          75    7500   Pave  <NA>      Reg
## 1083 1083         20       RL          70    8749   Pave  <NA>      Reg
## 1084 1084         20       RL          80    8800   Pave  <NA>      Reg
## 1085 1085         60       RL          NA   13031   Pave  <NA>      IR2
## 1086 1086         85       RL          73    9069   Pave  <NA>      Reg
## 1087 1087        160       RM          NA    1974   Pave  <NA>      Reg
## 1088 1088         60       FV          85   10574   Pave  <NA>      Reg
## 1089 1089        160       RM          24    2522   Pave  <NA>      Reg
## 1090 1090        120       FV          37    3316   Pave  Pave      IR1
## 1091 1091         90       RL          60    8544   Pave  <NA>      Reg
## 1092 1092        160       FV          24    2160   Pave  Pave      Reg
## 1093 1093         50       RL          60    8400   Pave  <NA>      Reg
## 1094 1094         20       RL          71    9230   Pave  <NA>      Reg
## 1095 1095         20       RL          74    5868   Pave  <NA>      Reg
## 1096 1096         20       RL          78    9317   Pave  <NA>      IR1
## 1097 1097         70       RM          60    6882   Pave  <NA>      Reg
## 1098 1098        120       RL          NA    3696   Pave  <NA>      Reg
## 1099 1099         50       RM          50    6000   Pave  <NA>      Reg
## 1100 1100         20       RL          82   11880   Pave  <NA>      IR1
## 1101 1101         30       RL          60    8400   Pave  <NA>      Reg
## 1102 1102         20       RL          61    9758   Pave  <NA>      IR1
## 1103 1103         20       RL          70    7000   Pave  <NA>      Reg
## 1104 1104         20       RL          79    8910   Pave  <NA>      Reg
## 1105 1105        160       RM          24    2016   Pave  <NA>      Reg
## 1106 1106         60       RL          98   12256   Pave  <NA>      IR1
## 1107 1107         20       RL         114   10357   Pave  <NA>      IR1
## 1108 1108         60       RL         168   23257   Pave  <NA>      IR3
## 1109 1109         60       RL          NA    8063   Pave  <NA>      Reg
## 1110 1110         20       RL         107   11362   Pave  <NA>      IR1
## 1111 1111         60       RL          NA    8000   Pave  <NA>      Reg
## 1112 1112         60       RL          80   10480   Pave  <NA>      Reg
## 1113 1113         20       RL          73    7100   Pave  <NA>      IR1
## 1114 1114         20       RL          66    8923   Pave  <NA>      Reg
## 1115 1115         20       RL          90    5400   Pave  <NA>      Reg
## 1116 1116         20       RL          93   12085   Pave  <NA>      Reg
## 1117 1117         80       RL          NA    7750   Pave  <NA>      Reg
## 1118 1118         20       RL          57    9764   Pave  <NA>      IR1
## 1119 1119         80       RL          85   13825   Pave  <NA>      Reg
## 1120 1120         20       RL          70    7560   Pave  <NA>      Reg
## 1121 1121         30       RM          59    8263   Pave  <NA>      Reg
## 1122 1122         20       RL          84   10084   Pave  <NA>      Reg
## 1123 1123         20       RL          NA    8926   Pave  <NA>      IR1
## 1124 1124         20       RL          50    9405   Pave  <NA>      Reg
## 1125 1125         80       RL          NA    9125   Pave  <NA>      IR1
## 1126 1126         20       RL          60   10434   Pave  <NA>      Reg
## 1127 1127        120       RL          53    3684   Pave  <NA>      Reg
## 1128 1128         20       RL         182   14572   Pave  <NA>      IR3
## 1129 1129         60       RL          59   11796   Pave  <NA>      IR1
## 1130 1130         90       RM          60    7200   Pave  Grvl      Reg
## 1131 1131         50       RL          65    7804   Pave  <NA>      Reg
## 1132 1132         20       RL          63   10712   Pave  <NA>      Reg
```

```
## 1133 1133         70       RM          90    9900   Pave  <NA>      Reg
## 1134 1134         60       RL          80    9828   Pave  <NA>      IR1
## 1135 1135         60       RL          57    8773   Pave  <NA>      IR1
## 1136 1136         30       RM          60    6180   Pave  <NA>      Reg
## 1137 1137         50       RL          80    9600   Pave  <NA>      Reg
## 1138 1138         50       RL          54    6342   Pave  <NA>      Reg
## 1139 1139         20       RL          NA    9819   Pave  <NA>      IR1
## 1140 1140         30       RL          98    8731   Pave  <NA>      IR1
## 1141 1141         20       RL          60    7350   Pave  <NA>      Reg
## 1142 1142         60       RL          NA   10304   Pave  <NA>      IR1
## 1143 1143         60       RL          77    9965   Pave  <NA>      Reg
## 1144 1144         20       RL          NA    9000   Pave  <NA>      Reg
## 1145 1145        190       RL          60   12180   Pave  <NA>      Reg
## 1146 1146         50       RM          52    6240   Pave  <NA>      Reg
## 1147 1147         20       RL          NA   11200   Pave  <NA>      Reg
## 1148 1148         70       RL          75   12000   Pave  <NA>      Reg
## 1149 1149         50       RM          NA    5700   Pave  <NA>      Reg
##      LandContour Utilities LotConfig LandSlope Neighborhood Condition1
## 1            Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 2            Lvl    AllPub       FR2       Gtl      Veenker      Feedr
## 3            Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 4            Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 5            Lvl    AllPub       FR2       Gtl      NoRidge       Norm
## 6            Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 7            Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 8            Lvl    AllPub    Corner       Gtl       NWAmes       PosN
## 9            Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 10           Lvl    AllPub    Corner       Gtl      BrkSide     Artery
## 11           Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 12           Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 13           Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 14           Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 15           Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 16           Lvl    AllPub    Corner       Gtl      BrkSide       Norm
## 17           Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 18           Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 19           Lvl    AllPub    Inside       Gtl      SawyerW       RRAe
## 20           Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 21           Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 22           Bnk    AllPub    Inside       Gtl       IDOTRR       Norm
## 23           Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 24           Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 25           Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 26           Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 27           Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 28           Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 29           Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 30           Lvl    AllPub    Inside       Gtl      BrkSide      Feedr
## 31           Lvl    AllPub    Inside       Gtl       IDOTRR      Feedr
## 32           Lvl    AllPub   CulDSac       Gtl       Sawyer       Norm
## 33           Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 34           Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 35           Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 36           Lvl    AllPub    Inside       Gtl      NridgHt       Norm
```

```
## 37          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 38          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 39          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 40          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 41          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 42          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 43          Lvl    AllPub   CulDSac       Gtl      SawyerW       Norm
## 44          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 45          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 46          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 47          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 48          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 49          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 50          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 51          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 52          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 53          Bnk    AllPub    Corner       Mod       IDOTRR       RRNn
## 54          Low    AllPub    Inside       Gtl      Veenker       Norm
## 55          Bnk    AllPub    Inside       Mod        NAmes       Norm
## 56          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 57          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 58          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 59          HLS    AllPub   CulDSac       Gtl      StoneBr       Norm
## 60          Bnk    AllPub    Inside       Gtl      CollgCr       Norm
## 61          Lvl    AllPub    Inside       Gtl      SawyerW       RRAe
## 62          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 63          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 64          Bnk    AllPub    Inside       Gtl      OldTown       RRAn
## 65          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 66          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 67          Lvl    AllPub    Inside       Gtl        NAmes       PosA
## 68          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 69          Lvl    AllPub    Corner       Gtl      OldTown     Artery
## 70          Lvl    AllPub    Corner       Gtl      ClearCr       Norm
## 71          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 72          Lvl    AllPub    Corner       Gtl      Mitchel       Norm
## 73          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 74          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 75          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 76          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 77          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 78          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 79          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 80          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 81          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 82          Lvl    AllPub       FR2       Gtl      Mitchel       Norm
## 83          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 84          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 85          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 86          Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 87          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 88          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 89          Lvl    AllPub    Corner       Gtl       IDOTRR      Feedr
## 90          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
```

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## 91          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 92          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 93          HLS    AllPub    Inside       Gtl      Crawfor       Norm
## 94          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 95          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 96          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 97          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 98          HLS    AllPub    Inside       Gtl      Edwards       Norm
## 99          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 100         Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 101         Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 102         Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 103         Bnk    AllPub    Inside       Gtl      SawyerW       Norm
## 104         Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 105         Lvl    AllPub    Corner       Gtl       IDOTRR       Norm
## 106         Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 107         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 108         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 109         Lvl    AllPub    Corner       Gtl       IDOTRR     Artery
## 110         Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 111         Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 112         Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 113         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 114         Bnk    AllPub    Corner       Gtl      Crawfor       Norm
## 115         Lvl    AllPub    Inside       Mod      Crawfor       Norm
## 116         Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 117         Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 118         Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 119         Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 120         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 121         Low    AllPub   CulDSac       Sev      ClearCr       Norm
## 122         Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 123         Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 124         Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 125         Lvl    AllPub   CulDSac       Gtl       NWAmes       Norm
## 126         Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 127         Lvl    AllPub    Inside       Gtl      NPkVill       Norm
## 128         Bnk    AllPub    Inside       Gtl      OldTown      Feedr
## 129         Lvl    AllPub    Inside       Gtl        NAmes       PosN
## 130         Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 131         Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 132         Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 133         Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 134         Lvl    AllPub    Inside       Gtl       Timber       Norm
## 135         Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 136         Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 137         Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 138         Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 139         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 140         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 141         Lvl    AllPub       FR2       Gtl        NAmes       Norm
## 142         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 143         Lvl    AllPub    Corner       Gtl        NAmes     Artery
## 144         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
```

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## 145          Lvl    AllPub    Inside       Gtl       Sawyer       RRAe
## 146          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 147          Lvl    AllPub    Corner       Gtl      BrkSide       Norm
## 148          Lvl    AllPub   CulDSac       Gtl      Gilbert       Norm
## 149          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 150          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 151          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 152          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 153          Lvl    AllPub   CulDSac       Gtl       NWAmes       Norm
## 154          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 155          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 156          Lvl    AllPub    Corner       Gtl      Edwards     Artery
## 157          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 158          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 159          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 160          HLS    AllPub    Corner       Gtl      Gilbert       Norm
## 161          Lvl    AllPub   CulDSac       Gtl      Veenker       Norm
## 162          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 163          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 164          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 165          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 166          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 167          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 168          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 169          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 170          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 171          Lvl    AllPub    Inside       Gtl      OldTown      Feedr
## 172          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 173          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 174          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 175          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 176          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 177          Lvl    AllPub    Corner       Gtl      ClearCr       Norm
## 178          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 179          Lvl    AllPub   CulDSac       Gtl      StoneBr       Norm
## 180          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 181          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 182          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 183          Lvl    AllPub    Inside       Gtl      Edwards     Artery
## 184          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 185          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 186          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 187          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 188          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 189          Bnk    AllPub    Inside       Gtl      SawyerW      Feedr
## 190          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 191          Bnk    AllPub    Inside       Mod      Crawfor       Norm
## 192          Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 193          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 194          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 195          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 196          Lvl    AllPub       FR2       Gtl      NPkVill       Norm
## 197          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 198          Lvl    AllPub    Corner       Gtl        NAmes     Artery
```

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## 199          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 200          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 201          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 202          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 203          Lvl    AllPub    Corner       Gtl      OldTown     Artery
## 204          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 205          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 206          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 207          Lvl    AllPub   CulDSac       Gtl       Sawyer       RRAe
## 208          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 209          Low    AllPub    Inside       Mod      SawyerW       Norm
## 210          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 211          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 212          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 213          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 214          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 215          Lvl    AllPub       FR2       Gtl      CollgCr       Norm
## 216          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 217          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 218          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 219          Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 220          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 221          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 222          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 223          Lvl    AllPub    Inside       Gtl       NWAmes       RRAn
## 224          Lvl    AllPub       FR2       Gtl        NAmes       Norm
## 225          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 226          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 227          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 228          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 229          Lvl    AllPub       FR2       Gtl       Sawyer      Feedr
## 230          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 231          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 232          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 233          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 234          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 235          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 236          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 237          Lvl    AllPub       FR2       Gtl      CollgCr       Norm
## 238          Lvl    AllPub   CulDSac       Gtl      SawyerW       RRNe
## 239          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 240          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 241          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 242          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 243          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 244          Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 245          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 246          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 247          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 248          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 249          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 250          Low    AllPub   CulDSac       Sev      ClearCr       Norm
## 251          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 252          HLS    AllPub    Inside       Mod      Crawfor       Norm
```

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## 253          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 254          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 255          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 256          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 257          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 258          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 259          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 260          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 261          Lvl    AllPub    Corner       Gtl        NAmes     Artery
## 262          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 263          Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 264          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 265          Bnk    AllPub    Inside       Gtl      OldTown     Artery
## 266          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 267          HLS    AllPub       FR2       Gtl      Gilbert       Norm
## 268          Bnk    AllPub    Inside       Mod        SWISU       Norm
## 269          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 270          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 271          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 272          Low    AllPub   CulDSac       Sev      ClearCr       Norm
## 273          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
## 274          Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 275          Lvl    AllPub    Corner       Gtl      Mitchel       Norm
## 276          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 277          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 278          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 279          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 280          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 281          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 282          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 283          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 284          Lvl    AllPub    Inside       Gtl      Somerst      Feedr
## 285          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 286          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 287          Bnk    AllPub    Inside       Gtl        NAmes       Norm
## 288          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 289          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 290          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 291          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 292          Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 293          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 294          Lvl    AllPub    Corner       Gtl       NWAmes       PosA
## 295          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 296          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 297          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 298          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 299          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 300          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 301          Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 302          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 303          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 304          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 305          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 306          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
```

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## 307          Lvl    AllPub    Inside       Gtl      SawyerW      Feedr
## 308          Lvl    AllPub    Inside       Gtl       IDOTRR     Artery
## 309          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 310          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 311          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 312          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 313          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 314          Low    AllPub    Inside       Sev       Timber       Norm
## 315          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 316          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 317          Lvl    AllPub    Corner       Gtl       NWAmes       Norm
## 318          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 319          Low    AllPub    Inside       Mod      NoRidge       Norm
## 320          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 321          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 322          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 323          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 324          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 325          Lvl    AllPub    Corner       Gtl        NAmes       PosN
## 326          Lvl    AllPub    Inside       Gtl       IDOTRR       RRAe
## 327          Lvl    AllPub   CulDSac       Gtl      Veenker       Norm
## 328          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 329          Bnk    AllPub    Inside       Gtl      BrkSide       PosN
## 330          Lvl    AllPub    Corner       Gtl       IDOTRR       Norm
## 331          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 332          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 333          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 334          Lvl    AllPub       FR3       Gtl      NridgHt       Norm
## 335          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 336          HLS    AllPub    Corner       Sev       Timber       Norm
## 337          HLS    AllPub    Corner       Gtl      StoneBr       Norm
## 338          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 339          Lvl    AllPub    Corner       Gtl       NWAmes       Norm
## 340          Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 341          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 342          Lvl    AllPub    Inside       Gtl      SawyerW      Feedr
## 343          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 344          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 345          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 346          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 347          Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 348          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 349          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 350          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 351          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 352          Low    AllPub    Inside       Mod      ClearCr       Norm
## 353          Lvl    AllPub    Inside       Gtl      Edwards     Artery
## 354          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 355          Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 356          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 357          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 358          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 359          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 360          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
```

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## 361          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 362          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 363          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 364          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 365          Lvl    AllPub       FR2       Gtl       NWAmes       Norm
## 366          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 367          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 368          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 369          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 370          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 371          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 372          Lvl    AllPub    Inside       Gtl      ClearCr      Feedr
## 373          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 374          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 375          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 376          Low    AllPub    Inside       Sev      Edwards       Norm
## 377          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 378          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 379          Lvl    AllPub    Corner       Gtl      StoneBr       Norm
## 380          Lvl    AllPub    Inside       Gtl      Gilbert       RRAn
## 381          Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 382          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 383          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 384          Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 385          Low    AllPub    Corner       Mod      ClearCr      Feedr
## 386          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 387          Lvl    AllPub       FR2       Gtl      Edwards      Feedr
## 388          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 389          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 390          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 391          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 392          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 393          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 394          Lvl    AllPub    Corner       Gtl      BrkSide      Feedr
## 395          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 396          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 397          Low    AllPub    Inside       Gtl      CollgCr       Norm
## 398          Lvl    AllPub    Inside       Gtl        NAmes       PosN
## 399          Lvl    AllPub    Corner       Gtl       IDOTRR       Norm
## 400          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 401          Lvl    AllPub    Inside       Gtl      Veenker       Norm
## 402          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 403          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 404          Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 405          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 406          Lvl    AllPub    Corner       Gtl       Sawyer      Feedr
## 407          Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 408          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 409          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 410          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 411          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 412          Bnk    AllPub    Inside       Gtl      Gilbert       Norm
## 413          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 414          Lvl    AllPub    Inside       Gtl      OldTown     Artery
```

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## 415          Lvl    AllPub   CulDSac       Gtl      SawyerW       Norm
## 416          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 417          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 418          Lvl    AllPub    Inside       Gtl      Crawfor      Feedr
## 419          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 420          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 421          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 422          Lvl    AllPub       FR2       Gtl       NWAmes       Norm
## 423          HLS    AllPub    Inside       Mod      Mitchel     Artery
## 424          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 425          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 426          HLS    AllPub    Inside       Gtl      OldTown       Norm
## 427          Low    AllPub    Inside       Mod      SawyerW       Norm
## 428          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 429          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 430          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 431          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 432          Bnk    AllPub    Inside       Gtl      OldTown      Feedr
## 433          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 434          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 435          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 436          Lvl    AllPub   CulDSac       Gtl      CollgCr       PosN
## 437          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 438          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 439          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 440          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 441          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 442          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 443          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 444          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 445          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 446          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 447          Lvl    AllPub    Corner       Gtl        NAmes       PosA
## 448          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 449          Bnk    AllPub    Inside       Gtl       IDOTRR       Norm
## 450          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 451          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 452          Low    AllPub    Inside       Mod      ClearCr       Norm
## 453          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 454          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 455          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 456          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 457          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 458          Low    AllPub   CulDSac       Mod      ClearCr       Norm
## 459          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 460          Bnk    AllPub    Corner       Gtl      BrkSide       Norm
## 461          Lvl    AllPub    Inside       Gtl      Somerst       RRAn
## 462          Lvl    AllPub    Inside       Gtl        SWISU      Feedr
## 463          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 464          HLS    AllPub    Inside       Mod      Crawfor       Norm
## 465          HLS    AllPub    Inside       Mod      CollgCr       Norm
## 466          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 467          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 468          Lvl    AllPub    Inside       Gtl        NAmes     Artery
```

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## 469          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 470          Lvl    AllPub    Corner       Gtl      SawyerW       RRNe
## 471          Lvl    AllPub    Corner       Gtl      StoneBr       Norm
## 472          Lvl    AllPub    Inside       Gtl       NWAmes       PosA
## 473          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 474          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 475          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 476          Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 477          Lvl    AllPub    Inside       Mod      CollgCr       Norm
## 478          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 479          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 480          Bnk    AllPub    Inside       Gtl      OldTown       Norm
## 481          Lvl    AllPub       FR2       Gtl      NridgHt       Norm
## 482          HLS    AllPub    Inside       Gtl      NridgHt       Norm
## 483          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 484          Lvl    AllPub       FR2       Gtl      Mitchel       Norm
## 485          Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 486          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 487          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 488          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 489          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 490          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 491          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 492          Lvl    AllPub    Inside       Gtl        NAmes     Artery
## 493          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 494          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 495          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 496          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 497          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 498          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 499          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 500          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 501          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 502          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 503          Lvl    AllPub    Corner       Gtl      Edwards      Feedr
## 504          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 505          Lvl    AllPub    Inside       Gtl      NPkVill       Norm
## 506          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 507          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 508          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 509          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 510          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 511          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 512          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 513          Lvl    AllPub    Corner       Gtl        NAmes      Feedr
## 514          Bnk    AllPub    Corner       Gtl      Mitchel       Norm
## 515          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 516          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 517          Lvl    AllPub    Corner       Gtl       NWAmes       Norm
## 518          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 519          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 520          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 521          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 522          Lvl    AllPub    Corner       Gtl        NAmes      Feedr
```

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## 523          Lvl    AllPub    Corner       Gtl      BrkSide      Feedr
## 524          Bnk    AllPub    Inside       Gtl      Edwards       PosN
## 525          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 526          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 527          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 528          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 529          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 530          Lvl    AllPub   CulDSac       Gtl      Crawfor       Norm
## 531          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 532          Lvl    AllPub       FR3       Gtl      BrkSide       RRNn
## 533          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 534          Low    AllPub    Inside       Mod      BrkSide       Norm
## 535          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 536          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 537          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 538          Lvl    AllPub       FR2       Gtl        NAmes       Norm
## 539          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 540          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 541          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 542          Lvl    AllPub       FR2       Gtl      NoRidge       Norm
## 543          Lvl    AllPub    Inside       Gtl       NWAmes       RRAn
## 544          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 545          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 546          Lvl    AllPub    Corner       Gtl       NWAmes       Norm
## 547          Bnk    AllPub    Inside       Gtl      BrkSide       Norm
## 548          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 549          HLS    AllPub    Inside       Gtl      OldTown      Feedr
## 550          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 551          Lvl    AllPub    Inside       Gtl      NPkVill       Norm
## 552          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 553          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 554          Lvl    AllPub    Inside       Gtl      Edwards      Feedr
## 555          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 556          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 557          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 558          Low    AllPub    Inside       Mod       IDOTRR       Norm
## 559          HLS    AllPub       FR2       Gtl      Gilbert       Norm
## 560          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 561          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 562          Lvl    AllPub    Inside       Mod      Mitchel       Norm
## 563          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 564          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 565          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
## 566          Bnk    AllPub    Corner       Gtl        SWISU       Norm
## 567          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 568          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 569          Low    AllPub    Inside       Mod      SawyerW       Norm
## 570          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 571          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 572          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 573          HLS    AllPub    Corner       Gtl       Timber       Norm
## 574          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 575          Lvl    AllPub       FR2       Gtl        NAmes       Norm
## 576          Lvl    AllPub    Inside       Gtl        NAmes       Norm
```

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## 577          Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 578          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 579          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 580          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 581          Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 582          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 583          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 584          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 585          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 586          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 587          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 588          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 589          Low    AllPub    Inside       Sev      ClearCr       Norm
## 590          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 591          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 592          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 593          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 594          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 595          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 596          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 597          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 598          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 599          Bnk    AllPub    Inside       Gtl      Crawfor       Norm
## 600          Lvl    AllPub    Inside       Gtl      Blueste       Norm
## 601          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 602          Bnk    AllPub    Inside       Gtl       IDOTRR       Norm
## 603          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 604          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 605          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 606          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 607          Low    AllPub    Corner       Mod      CollgCr       Norm
## 608          Bnk    AllPub    Inside       Mod      Edwards       Norm
## 609          HLS    AllPub    Inside       Mod      Crawfor       Norm
## 610          Lvl    AllPub    Inside       Gtl       Sawyer      Feedr
## 611          Lvl    AllPub    Inside       Gtl      CollgCr       PosN
## 612          Lvl    AllPub       FR2       Gtl       NWAmes       Norm
## 613          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 614          Lvl    AllPub    Inside       Gtl      Mitchel      Feedr
## 615          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 616          Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 617          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 618          HLS    AllPub    Corner       Mod        NAmes     Artery
## 619          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 620          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 621          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 622          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 623          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 624          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 625          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 626          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 627          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 628          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 629          HLS    AllPub    Inside       Sev        NAmes       Norm
## 630          Lvl    AllPub    Corner       Gtl        NAmes      Feedr
```

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## 631          Lvl    AllPub    Corner       Gtl      OldTown     Artery
## 632          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 633          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 634          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 635          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 636          Bnk    AllPub    Inside       Gtl        SWISU      Feedr
## 637          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 638          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 639          Lvl    AllPub    Inside       Gtl      Edwards      Feedr
## 640          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 641          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 642          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 643          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 644          Lvl    AllPub    Inside       Gtl       NWAmes       RRAn
## 645          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 646          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 647          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 648          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 649          Lvl    AllPub    Inside       Gtl        NAmes       PosN
## 650          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 651          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 652          Lvl    AllPub    Inside       Gtl      Edwards     Artery
## 653          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 654          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 655          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 656          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 657          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 658          HLS    AllPub    Inside       Mod      Crawfor       Norm
## 659          Lvl    AllPub    Inside       Gtl        NAmes     Artery
## 660          Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 661          Lvl    AllPub   CulDSac       Gtl       NWAmes       Norm
## 662          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
## 663          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 664          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 665          Lvl    AllPub   CulDSac       Gtl      Somerst       RRAn
## 666          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 667          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 668          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 669          Bnk    AllPub    Corner       Mod       Sawyer       Norm
## 670          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 671          Lvl    AllPub       FR2       Gtl      CollgCr       Norm
## 672          Lvl    AllPub    Inside       Gtl      Edwards     Artery
## 673          Lvl    AllPub    Inside       Gtl      Veenker       Norm
## 674          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 675          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 676          Lvl    AllPub    Inside       Gtl      NPkVill       Norm
## 677          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 678          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 679          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 680          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 681          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 682          Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 683          HLS    AllPub    Inside       Gtl      ClearCr       Norm
## 684          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
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## 685          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
## 686          Lvl    AllPub   CulDSac       Gtl      StoneBr       Norm
## 687          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 688          Lvl    AllPub       FR2       Gtl      Somerst       Norm
## 689          HLS    AllPub    Inside       Gtl      StoneBr       Norm
## 690          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 691          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 692          Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 693          Lvl    AllPub    Inside       Mod       Timber       Norm
## 694          Lvl    AllPub    Corner       Sev      OldTown       Norm
## 695          Lvl    AllPub    Corner       Gtl      BrkSide       Norm
## 696          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 697          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 698          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 699          Lvl    AllPub    Inside       Gtl       Sawyer       RRAe
## 700          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 701          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 702          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 703          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 704          Lvl    AllPub    Inside       Gtl      OldTown      Feedr
## 705          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 706          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 707          Low    AllPub   CulDSac       Sev      ClearCr       Norm
## 708          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 709          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 710          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 711          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 712          HLS    AllPub    Inside       Mod       IDOTRR       Norm
## 713          HLS    AllPub    Inside       Gtl      StoneBr       Norm
## 714          Lvl    AllPub    Inside       Gtl      BrkSide       RRAn
## 715          Lvl    AllPub   CulDSac       Gtl       Sawyer       RRAe
## 716          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 717          Bnk    AllPub    Inside       Gtl      OldTown       Norm
## 718          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 719          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 720          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 721          Low    AllPub   CulDSac       Mod      StoneBr       Norm
## 722          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 723          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 724          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 725          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 726          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 727          Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 728          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 729          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 730          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 731          Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 732          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 733          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 734          Lvl    AllPub    Corner       Gtl       Sawyer      Feedr
## 735          Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 736          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 737          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 738          HLS    AllPub   CulDSac       Gtl      Gilbert       Norm
```

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## 739          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 740          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 741          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 742          Lvl    AllPub    Inside       Gtl       Sawyer      Feedr
## 743          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 744          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 745          HLS    AllPub    Inside       Gtl      StoneBr       Norm
## 746          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 747          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 748          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 749          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 750          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 751          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 752          Lvl    AllPub    Inside       Gtl      Gilbert       RRAn
## 753          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 754          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 755          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 756          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 757          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 758          Lvl    AllPub   CulDSac       Gtl       Sawyer       Norm
## 759          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 760          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 761          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 762          Lvl    AllPub       FR2       Gtl      BrkSide      Feedr
## 763          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 764          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 765          Lvl    AllPub   CulDSac       Gtl      Veenker       Norm
## 766          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 767          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 768          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 769          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 770          HLS    AllPub   CulDSac       Mod      StoneBr       Norm
## 771          Lvl    AllPub   CulDSac       Gtl       Sawyer       Norm
## 772          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 773          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 774          Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 775          Lvl    AllPub    Corner       Gtl      NridgHt       Norm
## 776          Lvl    AllPub       FR2       Gtl      Mitchel       Norm
## 777          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 778          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 779          Lvl    AllPub    Inside       Gtl      SawyerW      Feedr
## 780          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 781          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 782          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 783          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 784          Lvl    AllPub    Corner       Gtl      Mitchel       Norm
## 785          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 786          Lvl    AllPub    Inside       Gtl       NWAmes      Feedr
## 787          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 788          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 789          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 790          Low    AllPub    Inside       Gtl      ClearCr       Norm
## 791          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 792          Lvl    AllPub    Corner       Gtl      Mitchel       Norm
```

```
## 793          Lvl    AllPub   CulDSac       Gtl      NoRidge       Norm
## 794          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 795          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 796          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 797          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 798          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 799          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 800          Lvl    AllPub    Corner       Gtl        SWISU      Feedr
## 801          HLS    AllPub    Inside       Mod      ClearCr      Feedr
## 802          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 803          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 804          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 805          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 806          Lvl    AllPub       FR2       Gtl      Somerst       Norm
## 807          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 808          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 809          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 810          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 811          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 812          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 813          Bnk    AllPub    Inside       Mod       IDOTRR       Norm
## 814          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 815          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 816          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 817          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 818          Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 819          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 820          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 821          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 822          Bnk    AllPub    Inside       Mod      OldTown       Norm
## 823          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 824          Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 825          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 826          Lvl    AllPub    Inside       Gtl      NridgHt       PosN
## 827          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 828          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 829          Low    AllPub   CulDSac       Sev      ClearCr       Norm
## 830          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 831          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 832          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 833          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 834          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 835          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 836          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 837          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 838          Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 839          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 840          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 841          Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 842          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 843          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 844          Lvl    AllPub    Corner       Gtl        NAmes     Artery
## 845          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 846          Lvl    AllPub   CulDSac       Gtl       Sawyer       RRAe
```

```
## 847          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 848          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 849          Bnk    AllPub    Inside       Gtl      ClearCr       Norm
## 850          Lvl    AllPub       FR2       Gtl      Veenker      Feedr
## 851          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 852          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 853          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 854          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 855          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 856          Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 857          Low    AllPub    Inside       Mod      CollgCr       Norm
## 858          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 859          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 860          Lvl    AllPub    Corner       Gtl       NWAmes       PosA
## 861          Lvl    AllPub    Corner       Gtl      Crawfor       Norm
## 862          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 863          Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 864          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 865          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 866          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 867          HLS    AllPub    Inside       Gtl       Timber       Norm
## 868          Lvl    AllPub    Corner       Gtl       Sawyer      Feedr
## 869          Lvl    AllPub    Corner       Gtl      Gilbert      Feedr
## 870          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 871          Lvl    AllPub    Inside       Gtl        NAmes       PosN
## 872          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 873          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 874          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 875          Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 876          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 877          HLS    AllPub    Inside       Mod      Mitchel       Norm
## 878          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 879          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 880          Lvl    AllPub   CulDSac       Gtl      CollgCr       Norm
## 881          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 882          Lvl    AllPub   CulDSac       Gtl       Timber       Norm
## 883          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 884          Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 885          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 886          Lvl    AllPub   CulDSac       Gtl      Somerst       Norm
## 887          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 888          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 889          Lvl    AllPub    Inside       Mod        NAmes       Norm
## 890          Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 891          Lvl    AllPub    Corner       Gtl        NAmes     Artery
## 892          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 893          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 894          Lvl    AllPub    Inside       Gtl       Sawyer       PosN
## 895          Bnk    AllPub    Inside       Gtl      SawyerW       Norm
## 896          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 897          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 898          Lvl    AllPub    Inside       Gtl      SawyerW      Feedr
## 899          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 900          Lvl    AllPub    Inside       Gtl       Sawyer      Feedr
```

```
## 901          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 902          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 903          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 904          HLS    AllPub   CulDSac       Gtl      Gilbert       Norm
## 905          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 906          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 907          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 908          Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 909          Low    AllPub    Inside       Mod      Mitchel       Norm
## 910          Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 911          Lvl    AllPub    Corner       Gtl        NAmes      Feedr
## 912          Lvl    AllPub   CulDSac       Mod      CollgCr       Norm
## 913          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 914          HLS    AllPub    Inside       Gtl      Crawfor       Norm
## 915          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 916          Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 917          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 918          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 919          Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 920          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 921          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 922          Lvl    AllPub    Inside       Gtl      Edwards      Feedr
## 923          Lvl    AllPub    Inside       Gtl      Gilbert       RRAn
## 924          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 925          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 926          Lvl    AllPub    Corner       Gtl       NWAmes       Norm
## 927          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 928          Lvl    AllPub    Inside       Gtl       NWAmes      Feedr
## 929          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 930          Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 931          HLS    AllPub    Inside       Gtl       Timber       Norm
## 932          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 933          Lvl    AllPub    Corner       Gtl      Somerst       RRNn
## 934          Lvl    AllPub       FR2       Gtl      CollgCr       Norm
## 935          HLS    AllPub    Inside       Mod        NAmes       PosA
## 936          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 937          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 938          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 939          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 940          Lvl    AllPub    Inside       Gtl      ClearCr       Norm
## 941          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 942          Lvl    AllPub       FR2       Gtl      Gilbert       RRNn
## 943          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 944          Low    AllPub    Inside       Gtl      Mitchel       Norm
## 945          Lvl    NoSeWa   CulDSac       Gtl       Timber       Norm
## 946          Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 947          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 948          Lvl    AllPub    Inside       Gtl       Timber       Norm
## 949          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 950          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 951          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 952          Lvl    AllPub    Corner       Gtl      SawyerW       Norm
## 953          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 954          Lvl    AllPub    Inside       Mod      Mitchel       Norm
```

```
## 955          Lvl    AllPub   CulDSac       Gtl      Edwards       Norm
## 956          HLS    AllPub    Inside       Gtl      Crawfor       Norm
## 957          Lvl    AllPub    Inside       Gtl      Blueste       Norm
## 958          Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 959          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 960          Lvl    AllPub       FR2       Gtl      Somerst       Norm
## 961          Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 962          Lvl    AllPub    Corner       Gtl       NWAmes       PosN
## 963          Lvl    AllPub    Corner       Gtl      NPkVill       Norm
## 964          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 965          Lvl    AllPub    Corner       Gtl       Timber       Norm
## 966          Lvl    AllPub    Inside       Gtl      Gilbert       RRAn
## 967          HLS    AllPub    Inside       Gtl      Crawfor       Norm
## 968          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 969          Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 970          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 971          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 972          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 973          Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 974          Lvl    AllPub    Corner       Gtl      Somerst       Norm
## 975          Lvl    AllPub    Corner       Gtl      BrkSide       RRAn
## 976          Lvl    AllPub       FR2       Gtl      Somerst       Norm
## 977          Bnk    AllPub    Inside       Gtl      BrkSide       Norm
## 978          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 979          Bnk    AllPub    Inside       Mod      Edwards       Norm
## 980          Lvl    AllPub    Corner       Gtl       Sawyer      Feedr
## 981          Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 982          Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 983          Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 984          Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 985          Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 986          Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 987          Lvl    AllPub    Corner       Gtl      OldTown      Feedr
## 988          Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 989          Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 990          Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 991          Lvl    AllPub    Inside       Gtl      NoRidge       Norm
## 992          Lvl    AllPub    Corner       Gtl      OldTown     Artery
## 993          Lvl    AllPub    Inside       Mod        NAmes       Norm
## 994          Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 995          Lvl    AllPub       FR2       Gtl      NridgHt       Norm
## 996          Lvl    AllPub    Inside       Mod      BrkSide      Feedr
## 997          Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 998          Lvl    AllPub    Inside       Gtl       NWAmes       PosA
## 999          Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 1000         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1001         Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 1002         Lvl    AllPub    Corner       Gtl      OldTown       Norm
## 1003         Lvl    AllPub    Inside       Gtl      Somerst       RRAn
## 1004         Lvl    AllPub    Corner       Gtl       NWAmes      Feedr
## 1005         Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 1006         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1007         Lvl    AllPub    Inside       Gtl        NAmes       PosN
## 1008         Lvl    AllPub    Inside       Gtl      MeadowV       Norm
```

```
## 1009         Lvl    AllPub   CulDSac       Gtl      Mitchel       Norm
## 1010         Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 1011         Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 1012         Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 1013         Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 1014         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1015         Lvl    AllPub    Inside       Gtl        NAmes     Artery
## 1016         Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 1017         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1018         Lvl    AllPub   CulDSac       Gtl      StoneBr       Norm
## 1019         Lvl    AllPub       FR2       Gtl      Gilbert       Norm
## 1020         Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 1021         Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 1022         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1023         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1024         Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 1025         Lvl    AllPub    Corner       Gtl       Timber       Norm
## 1026         Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 1027         Lvl    AllPub    Inside       Gtl        NAmes      Feedr
## 1028         HLS    AllPub    Inside       Gtl       Timber       Norm
## 1029         Lvl    AllPub    Inside       Gtl        NAmes     Artery
## 1030         Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 1031         Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 1032         Lvl    AllPub    Corner       Gtl        SWISU       Norm
## 1033         Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 1034         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1035         Bnk    AllPub    Inside       Gtl      Crawfor       Norm
## 1036         Lvl    AllPub   CulDSac       Gtl      Edwards       Norm
## 1037         HLS    AllPub    Inside       Gtl       Timber       Norm
## 1038         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1039         Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 1040         Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 1041         Lvl    AllPub    Corner       Gtl       Sawyer       Norm
## 1042         Lvl    AllPub    Inside       Gtl       NWAmes      Feedr
## 1043         Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 1044         Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 1045         Lvl    AllPub    Inside       Gtl       NWAmes       PosN
## 1046         Lvl    AllPub   CulDSac       Gtl      Edwards       Norm
## 1047         Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 1048         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1049         Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 1050         Low    AllPub    Inside       Gtl      Edwards       Norm
## 1051         Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1052         Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 1053         Lvl    AllPub    Corner       Gtl        NAmes     Artery
## 1054         Lvl    AllPub    Inside       Mod      Edwards       Norm
## 1055         Lvl    AllPub    Corner       Gtl      CollgCr       Norm
## 1056         Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 1057         Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 1058         Lvl    AllPub       FR2       Gtl      NoRidge       Norm
## 1059         Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 1060         HLS    AllPub    Corner       Mod      Crawfor       Norm
## 1061         Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 1062         Low    AllPub    Inside       Gtl       IDOTRR       Norm
```

```
## 1063        Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1064        Lvl    AllPub    Inside       Gtl      OldTown     Artery
## 1065        Lvl    AllPub   CulDSac       Gtl        NAmes       Norm
## 1066        Lvl    AllPub    Inside       Mod      ClearCr       Norm
## 1067        Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1068        Lvl    AllPub    Inside       Mod        NAmes       Norm
## 1069        Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 1070        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1071        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1072        Lvl    AllPub    Inside       Gtl       NWAmes       RRAn
## 1073        Lvl    AllPub    Inside       Gtl      Edwards     Artery
## 1074        Bnk    AllPub    Corner       Gtl      Edwards       Norm
## 1075        Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1076        Lvl    AllPub    Inside       Gtl      Crawfor       Norm
## 1077        Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1078        Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 1079        Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1080        Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1081        Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 1082        Lvl    AllPub    Corner       Gtl       Sawyer      Feedr
## 1083        Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1084        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1085        Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 1086        Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 1087        Lvl    AllPub    Inside       Gtl      MeadowV       Norm
## 1088        Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 1089        Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 1090        Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 1091        Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 1092        Lvl    AllPub    Inside       Gtl      Somerst       Norm
## 1093        Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 1094        Lvl    AllPub    Corner       Gtl        NAmes      Feedr
## 1095        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1096        Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1097        Lvl    AllPub    Inside       Gtl       IDOTRR       Norm
## 1098        Lvl    AllPub    Inside       Gtl      StoneBr       Norm
## 1099        Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 1100        Lvl    AllPub    Inside       Gtl       NWAmes       RRAn
## 1101        Bnk    AllPub    Inside       Gtl        SWISU       Norm
## 1102        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1103        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1104        Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 1105        Lvl    AllPub    Inside       Gtl       BrDale       Norm
## 1106        Lvl    AllPub    Corner       Gtl      NoRidge       Norm
## 1107        Lvl    AllPub    Corner       Gtl      SawyerW      Feedr
## 1108        HLS    AllPub   CulDSac       Gtl      Gilbert       Norm
## 1109        Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1110        Lvl    AllPub    Inside       Gtl      NridgHt       Norm
## 1111        Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1112        Lvl    AllPub    Inside       Gtl       NWAmes       Norm
## 1113        Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 1114        Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1115        Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1116        Lvl    AllPub    Inside       Gtl      NridgHt       Norm
```

```
## 1117         Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1118         Lvl    AllPub       FR2       Gtl       Sawyer      Feedr
## 1119         Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 1120         Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1121         Bnk    AllPub    Inside       Mod       IDOTRR       Norm
## 1122         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1123         Lvl    AllPub    Corner       Gtl      Edwards       Norm
## 1124         Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 1125         Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1126         Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1127         Lvl    AllPub    Inside       Gtl      Blmngtn       Norm
## 1128         Lvl    AllPub    Corner       Gtl      Gilbert       Norm
## 1129         Lvl    AllPub    Inside       Gtl      Gilbert       Norm
## 1130         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1131         Lvl    AllPub    Inside       Gtl        SWISU       Norm
## 1132         Lvl    AllPub    Inside       Gtl      Mitchel       Norm
## 1133         Lvl    AllPub    Inside       Gtl      OldTown       Norm
## 1134         Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 1135         HLS    AllPub    Inside       Gtl      Gilbert       Norm
## 1136         Lvl    AllPub    Corner       Gtl      BrkSide       Norm
## 1137         Lvl    AllPub    Inside       Gtl        NAmes       Norm
## 1138         Lvl    AllPub    Inside       Gtl       Sawyer      Feedr
## 1139         Lvl    AllPub    Inside       Mod      Mitchel       Norm
## 1140         Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 1141         Lvl    AllPub    Corner       Gtl        NAmes       Norm
## 1142         Lvl    AllPub   CulDSac       Gtl       NWAmes       PosN
## 1143         Lvl    AllPub    Inside       Gtl      CollgCr       Norm
## 1144         Lvl    AllPub    Inside       Gtl       Sawyer       Norm
## 1145         Lvl    AllPub    Inside       Gtl      Edwards       Norm
## 1146         Lvl    AllPub    Inside       Gtl      BrkSide       Norm
## 1147         Lvl    AllPub    Inside       Gtl      SawyerW       Norm
## 1148         Bnk    AllPub    Inside       Gtl      Crawfor       Norm
## 1149         Lvl    AllPub    Inside       Gtl      OldTown       Norm
##      Condition2 BldgType HouseStyle OverallQual OverallCond YearBuilt
## 1          Norm     1Fam     2Story           7           5      2003
## 2          Norm     1Fam     1Story           6           8      1976
## 3          Norm     1Fam     2Story           7           5      2001
## 4          Norm     1Fam     2Story           7           5      1915
## 5          Norm     1Fam     2Story           8           5      2000
## 6          Norm     1Fam     1.5Fin           5           5      1993
## 7          Norm     1Fam     1Story           8           5      2004
## 8          Norm     1Fam     2Story           7           6      1973
## 9          Norm     1Fam     1.5Fin           7           5      1931
## 10       Artery   2fmCon     1.5Unf           5           6      1939
## 11         Norm     1Fam     1Story           5           5      1965
## 12         Norm     1Fam     2Story           9           5      2005
## 13         Norm     1Fam     1Story           5           6      1962
## 14         Norm     1Fam     1Story           7           5      2006
## 15         Norm     1Fam     1Story           6           5      1960
## 16         Norm     1Fam     1.5Unf           7           8      1929
## 17         Norm     1Fam     1Story           6           7      1970
## 18         Norm   Duplex     1Story           4           5      1967
## 19         Norm     1Fam     1Story           5           5      2004
## 20         Norm     1Fam     1Story           5           6      1958
```

```
## 21         Norm     1Fam     2Story            8           5       2005
## 22         Norm     1Fam     1.5Unf            7           7       1930
## 23         Norm     1Fam     1Story            8           5       2002
## 24         Norm   TwnhsE     1Story            5           7       1976
## 25         Norm     1Fam     1Story            5           8       1968
## 26         Norm     1Fam     1Story            8           5       2007
## 27         Norm     1Fam     1Story            5           7       1951
## 28         Norm     1Fam     1Story            8           5       2007
## 29         Norm     1Fam     1Story            5           6       1957
## 30         RRNn     1Fam     1Story            4           6       1927
## 31         Norm     1Fam     2Story            4           4       1920
## 32         Norm     1Fam     1Story            5           6       1966
## 33         Norm     1Fam     1Story            8           5       2007
## 34         Norm     1Fam     1Story            5           5       1959
## 35         Norm   TwnhsE     1Story            9           5       2005
## 36         Norm     1Fam     2Story            8           5       2004
## 37         Norm     1Fam     1Story            5           5       1994
## 38         Norm     1Fam     1Story            5           6       1954
## 39         Norm     1Fam     1Story            5           7       1953
## 40         Norm   Duplex     1Story            4           5       1955
## 41         Norm     1Fam     1Story            6           5       1965
## 42         Norm     1Fam     1Story            5           6       1959
## 43         Norm     1Fam     SFoyer            5           7       1983
## 44         Norm     1Fam     1Story            5           6       1975
## 45         Norm     1Fam     1Story            5           6       1959
## 46         Norm   TwnhsE     1Story            9           5       2005
## 47         Norm     1Fam     1.5Fin            7           5       2003
## 48         Norm     1Fam     1Story            8           5       2006
## 49         Norm   2fmCon     2Story            4           5       1920
## 50         Norm     1Fam     1Story            5           7       1966
## 51         Norm     1Fam     2Story            6           6       1997
## 52         Norm     1Fam     1.5Fin            6           6       1934
## 53         Norm   Duplex     1Story            5           5       1963
## 54         Norm     1Fam     1Story            9           5       1981
## 55         Norm     1Fam       SLvl            5           5       1955
## 56         Norm     1Fam     1Story            6           5       1964
## 57         Norm    Twnhs     2Story            8           5       1999
## 58         Norm     1Fam     2Story            7           5       2004
## 59         Norm     1Fam     2Story           10           5       2006
## 60         Norm     1Fam     1Story            5           7       1972
## 61         Norm     1Fam     1Story            6           5       2004
## 62         Norm     1Fam     2.5Unf            5           7       1920
## 63         Norm   TwnhsE     1Story            8           5       2006
## 64        Feedr     1Fam     2Story            7           6       1921
## 65         Norm     1Fam     2Story            7           5       1997
## 66         Norm     1Fam     2Story            8           5       2004
## 67         Norm     1Fam     1Story            7           5       1970
## 68         Norm     1Fam     1Story            7           5       2003
## 69         Norm     1Fam     1Story            4           6       1945
## 70         Norm     1Fam     1.5Fin            7           4       1953
## 71         Norm     1Fam     1Story            7           6       1973
## 72         Norm     1Fam     1Story            4           6       1982
## 73         Norm     1Fam     2Story            7           5       1998
## 74         Norm     1Fam     1Story            5           7       1954
```

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## 75         Norm     1Fam     2Story            3            6       1915
## 76         Norm    Twnhs       SLvl            4            5       1973
## 77         Norm     1Fam     1Story            4            7       1956
## 78         Norm     1Fam     1.5Fin            5            5       1948
## 79         Norm   Duplex     1Story            4            5       1968
## 80         Norm     1Fam     2Story            5            6       1910
## 81         Norm     1Fam     2Story            6            6       1968
## 82         Norm   TwnhsE     1Story            6            5       1998
## 83         Norm     1Fam     1Story            8            5       2007
## 84         Norm     1Fam     1Story            5            5       1960
## 85         Norm     1Fam       SLvl            7            5       1995
## 86         Norm     1Fam     2Story            8            5       1991
## 87         Norm     1Fam     2Story            6            5       2005
## 88         Norm   TwnhsE     2Story            6            5       2009
## 89        Feedr     1Fam     1.5Fin            3            2       1915
## 90         Norm     1Fam     1Story            4            5       1994
## 91         Norm     1Fam     1Story            4            5       1950
## 92         Norm     1Fam     1Story            5            3       1961
## 93         Norm     1Fam     1Story            5            7       1921
## 94         Norm   2fmCon     2.5Unf            6            6       1910
## 95         Norm     1Fam     2Story            6            5       1997
## 96         Norm     1Fam     2Story            6            8       1993
## 97         Norm     1Fam     1Story            7            5       1999
## 98         Norm     1Fam     1Story            4            5       1965
## 99         Norm     1Fam     1Story            5            5       1920
## 100        Norm     1Fam     1Story            4            5       1959
## 101        Norm     1Fam     1Story            6            7       1977
## 102        Norm     1Fam     2Story            6            5       1985
## 103        Norm   Duplex     1Story            5            5       1979
## 104        Norm     1Fam     1Story            7            5       2009
## 105        Norm     1Fam     1.5Fin            7            4       1931
## 106        Norm     1Fam     2Story            8            5       2003
## 107        Norm     1Fam     1Story            4            7       1885
## 108        Norm     1Fam     1Story            5            5       1948
## 109        Norm     1Fam     1.5Fin            5            7       1919
## 110        Norm     1Fam     1Story            6            6       1977
## 111        Norm     1Fam     1.5Fin            6            4       1954
## 112        Norm     1Fam       SLvl            7            5       2000
## 113        Norm     1Fam     2Story            7            5       2007
## 114        Norm     1Fam     1Story            6            5       1953
## 115        Norm     1Fam     2Story            6            8       1945
## 116        Norm   TwnhsE     2Story            6            5       1999
## 117        Norm     1Fam     1Story            5            5       1962
## 118        Norm     1Fam     1Story            5            5       2006
## 119        Norm     1Fam     2Story            7            5       1990
## 120        Norm     1Fam     2Story            6            5       2005
## 121        Norm     1Fam       SLvl            6            5       1969
## 122        Norm     1Fam     1.5Fin            4            5       1939
## 123        Norm     1Fam     1Story            6            7       1958
## 124        Norm   TwnhsE     1Story            6            5       1993
## 125        Norm     1Fam     1Story            6            5       1979
## 126        Norm   2fmCon     1.5Fin            6            8       1935
## 127        Norm   TwnhsE     1Story            6            5       1976
## 128        Norm     1Fam     1.5Unf            5            7       1930
```

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## 129        Norm     1Fam     2Story            6            5      1966
## 130        Norm     1Fam     1Story            5            7      1958
## 131        Norm     1Fam     2Story            7            6      1966
## 132        Norm     1Fam     2Story            6            5      2000
## 133        Norm     1Fam     1Story            5            6      1959
## 134        Norm     1Fam     1Story            8            5      2001
## 135        Norm     1Fam     1Story            5            6      1968
## 136        Norm     1Fam     1Story            7            6      1970
## 137        Norm     1Fam     1Story            5            5      1967
## 138        Norm   Duplex     1Story            7            5      1988
## 139        Norm     1Fam     2Story            8            5      1999
## 140        Norm     1Fam     2Story            6            5      1997
## 141        Norm     1Fam     1Story            4            5      1971
## 142        Norm     1Fam     1Story            7            5      2005
## 143        Norm     1Fam     1.5Fin            5            4      1952
## 144        Norm     1Fam     1Story            7            5      1999
## 145        Norm   Duplex     1Story            5            5      1963
## 146        Norm    Twnhs     2Story            6            5      2004
## 147        Norm     1Fam     1Story            5            7      1931
## 148        Norm     1Fam     2Story            7            5      2001
## 149        Norm     1Fam     1Story            7            5      2004
## 150        Norm     1Fam     1.5Fin            5            4      1936
## 151        Norm     1Fam     1Story            5            6      1975
## 152        Norm     1Fam     1Story            8            5      2007
## 153        Norm     1Fam     2Story            6            5      1971
## 154        Norm     1Fam     1Story            6            7      1960
## 155        Norm     1Fam     1Story            6            5      1923
## 156        Norm     1Fam     1.5Fin            6            5      1924
## 157        Norm     1Fam     1Story            5            7      1950
## 158        Norm     1Fam     2Story            8            5      2009
## 159        Norm     1Fam     2Story            7            5      2004
## 160        Norm     1Fam     2Story            7            5      2005
## 161        Norm     1Fam     1Story            6            6      1984
## 162        Norm     1Fam     2Story            9            5      2003
## 163        Norm     1Fam     1Story            7            5      2005
## 164        Norm     1Fam     1.5Unf            4            6      1956
## 165        Norm     1Fam     1Story            6            7      1926
## 166        Norm   2fmCon     1.5Fin            5            7      1940
## 167        Norm     1Fam     1Story            5            5      1955
## 168        Norm     1Fam     2Story            8            5      2007
## 169        Norm     1Fam     2Story            7            5      2004
## 170        Norm     1Fam     1Story            8            6      1981
## 171        Norm     1Fam     1.5Fin            5            6      1941
## 172        Norm     1Fam     1Story            6            5      1960
## 173        Norm   TwnhsE     2Story            7            7      1987
## 174        Norm     1Fam     1Story            6            5      1961
## 175        Norm     1Fam     1Story            6            5      1986
## 176        Norm     1Fam     1Story            6            7      1950
## 177        Norm     1Fam     2Story            6            5      1988
## 178        Norm     1Fam     1.5Fin            5            5      1958
## 179        Norm     1Fam     1Story            9            5      2008
## 180        Norm     1Fam     1Story            5            6      1923
## 181        Norm    Twnhs     2Story            6            5      2000
## 182        Norm     1Fam     2Story            7            6      1920
```

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## 183        Norm     1Fam     1Story            5            6       1957
## 184        Norm     1Fam     1.5Fin            7            5       2003
## 185       Feedr     1Fam     1.5Fin            5            8       1908
## 186        Norm     1Fam     2.5Fin           10            9       1892
## 187        Norm     1Fam       SLvl            7            5       1990
## 188        Norm     1Fam     1.5Fin            5            7       1916
## 189        Norm   Duplex     SFoyer            5            5       1979
## 190        Norm   TwnhsE     1Story            8            5       2001
## 191        Norm     1Fam     2Story            8            8       1932
## 192        Norm     1Fam     2Story            7            9       1972
## 193        Norm     1Fam     1Story            7            5       1999
## 194        Norm    Twnhs     2Story            7            5       2004
## 195        Norm     1Fam     1Story            5            7       1972
## 196        Norm    Twnhs     2Story            6            6       1976
## 197        Norm     1Fam     1Story            7            5       2007
## 198        Norm     1Fam     2Story            8            4       1918
## 199        Norm     1Fam     2.5Fin            6            6       1912
## 200        Norm     1Fam     1Story            8            5       2004
## 201        Norm     1Fam     1Story            4            5       2003
## 202        Norm     1Fam     1Story            6            6       1977
## 203        Norm     1Fam     1.5Fin            6            6       1924
## 204        Norm   TwnhsE     1Story            6            5       2004
## 205        Norm     1Fam     1.5Fin            5            7       1947
## 206        Norm     1Fam     1Story            7            5       1990
## 207        Norm     1Fam     1Story            5            5       1962
## 208        Norm     1Fam     1Story            4            5       1960
## 209        Norm     1Fam     2Story            7            5       1988
## 210        Norm     1Fam     1Story            6            7       1964
## 211        Norm     1Fam     1Story            5            6       1925
## 212        Norm     1Fam     1Story            6            5       2009
## 213        Norm     1Fam     2Story            7            5       2009
## 214        Norm     1Fam     1Story            5            5       1995
## 215        Norm     1Fam     2Story            6            7       1977
## 216        Norm     1Fam     1Story            5            6       1957
## 217        Norm     1Fam     1Story            7            5       2004
## 218        Norm     1Fam     2Story            4            4       1925
## 219        Norm     1Fam     1.5Fin            7            9       1939
## 220        Norm   TwnhsE     1Story            7            5       2005
## 221        Norm     1Fam     1Story            7            5       2006
## 222        Norm     1Fam     2Story            6            5       2002
## 223        Norm     1Fam     2Story            6            6       1975
## 224        Norm     1Fam     1Story            4            6       1971
## 225        Norm     1Fam     1Story           10            5       2003
## 226        Norm    Twnhs     2Story            5            5       1971
## 227        Norm     1Fam     2Story            7            5       1995
## 228        Norm    Twnhs     2Story            6            6       1970
## 229        Norm     1Fam     1Story            5            5       1967
## 230        Norm   TwnhsE     1Story            7            5       2005
## 231        Norm     1Fam     1Story            6            6       1959
## 232        Norm     1Fam     2Story            8            5       1995
## 233        Norm    Twnhs     2Story            6            5       1972
## 234        Norm     1Fam     1Story            5            6       1976
## 235        Norm     1Fam     2Story            6            5       2002
## 236        Norm   TwnhsE     2Story            6            3       1971
```

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## 237        Norm     1Fam     1Story            7            5      2004
## 238        Norm     1Fam     2Story            7            7      1993
## 239        Norm     1Fam     1Story            8            5      2007
## 240        Norm     1Fam     1.5Fin            6            4      1945
## 241        Norm     1Fam     1Story            8            5      2008
## 242        Norm     1Fam     1Story            5            9      1945
## 243        Norm     1Fam     1.5Fin            5            4      1900
## 244        Norm   TwnhsE     2Story            6            6      1980
## 245        Norm     1Fam     2Story            7            5      1994
## 246        Norm     1Fam     1Story            7            5      1988
## 247        Norm   2fmCon     2Story            6            8      1910
## 248        Norm     1Fam     1Story            6            5      1954
## 249        Norm     1Fam     2Story            7            5      2003
## 250        Norm     1Fam     1.5Fin            6            7      1958
## 251        Norm     1Fam     1Story            3            2      1940
## 252        Norm   TwnhsE     1Story            8            5      2006
## 253        Norm     1Fam     2Story            6            5      2004
## 254        Norm     1Fam       SLvl            6            7      1964
## 255        Norm     1Fam     1Story            5            6      1957
## 256        Norm     1Fam     2Story            7            5      1999
## 257        Norm     1Fam     2Story            6            5      2003
## 258        Norm     1Fam     1Story            7            5      2006
## 259        Norm     1Fam     2Story            7            5      2001
## 260        Norm     1Fam     1Story            5            5      1956
## 261        Norm     1Fam       SLvl            6            5      1962
## 262        Norm     1Fam     2Story            8            5      2007
## 263        Norm     1Fam       SLvl            6            7      1977
## 264        Norm     1Fam     1.5Fin            5            7      1929
## 265        Norm     1Fam     1Story            5            5      1925
## 266        Norm     1Fam     1Story            6            6      1981
## 267        Norm     1Fam     2Story            6            5      1997
## 268        Norm     1Fam     2.5Fin            5            8      1939
## 269        Norm     1Fam     1Story            5            6      1940
## 270        Norm     1Fam     1Story            6            7      1976
## 271        Norm     1Fam     2Story            8            5      2006
## 272        Norm     1Fam     1Story            7            7      1954
## 273        Norm     1Fam     2Story            8            7      1999
## 274        Norm     1Fam     1Story            6            6      1958
## 275        Norm     1Fam     1Story            5            7      1982
## 276        Norm     1Fam     1.5Fin            7            7      1925
## 277        Norm     1Fam     1Story            7            5      2003
## 278        Norm     1Fam     1Story            4            5      1951
## 279        Norm     1Fam     1Story            9            5      2006
## 280        Norm     1Fam     2Story            7            5      1977
## 281        Norm     1Fam     2Story            7            6      1989
## 282        Norm     1Fam     1Story            6            5      2006
## 283        Norm    Twnhs     1Story            7            5      2007
## 284        Norm     1Fam     1Story            8            5      2008
## 285        Norm   TwnhsE     1Story            6            5      1992
## 286        Norm   TwnhsE     2Story            7            5      2006
## 287        Norm     1Fam     1.5Fin            6            7      1962
## 288        Norm     1Fam     1Story            4            4      1971
## 289        Norm     1Fam     1Story            5            5      1967
## 290        Norm     1Fam     2Story            6            7      1915
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## 291        Norm     1Fam     2Story            8           5      2006
## 292        Norm   2fmCon     2Story            5           6      1912
## 293        Norm     1Fam     1.5Fin            5           4      1949
## 294        Norm     1Fam     2Story            7           7      1977
## 295        Norm     1Fam     1Story            6           5      1953
## 296        Norm     1Fam       SLvl            6           6      1984
## 297        Norm     1Fam     1.5Fin            5           5      1950
## 298        Norm     1Fam     2Story            7           5      1997
## 299        Norm     1Fam     2Story            6           6      1968
## 300        Norm     1Fam     1Story            6           8      1950
## 301        Norm   2fmCon     1Story            5           5      1953
## 302        Norm     1Fam     2Story            8           5      1998
## 303        Norm     1Fam     1Story            7           5      2001
## 304        Norm     1Fam     1Story            5           7      1972
## 305        Norm     1Fam     2.5Fin            7           9      1880
## 306        Norm     1Fam     1Story            8           5      2004
## 307        Norm     1Fam     2Story            7           5      1990
## 308        Norm     1Fam     1.5Fin            6           7      1920
## 309        Norm     1Fam     1Story            4           5      1940
## 310        Norm     1Fam     1Story            9           5      2003
## 311        Norm     1Fam     2Story            6           5      1993
## 312        Norm     1Fam     1Story            6           6      1948
## 313        Norm   2fmCon     1.5Fin            5           7      1939
## 314        Norm     1Fam     1Story            7           5      1965
## 315        Norm     1Fam     2Story            7           7      1925
## 316        Norm     1Fam     2Story            7           5      2004
## 317        Norm     1Fam     2Story            7           7      1980
## 318        Norm     1Fam     2Story            8           5      2006
## 319        Norm     1Fam     2Story            7           5      1993
## 320        Norm     1Fam       SLvl            7           5      1980
## 321        Norm     1Fam     2Story            9           5      2006
## 322        Norm     1Fam     2Story            8           5      2004
## 323        Norm     1Fam     2Story            7           5      1986
## 324        Norm     1Fam     1Story            3           8      1955
## 325        Norm     1Fam       SLvl            7           7      1967
## 326        Norm     1Fam     1.5Unf            5           6      1941
## 327        Norm   TwnhsE     1Story            8           5      1993
## 328        Norm     1Fam     1Story            6           5      1960
## 329        Norm     1Fam     2.5Unf            6           6      1916
## 330        Norm     1Fam     2Story            5           5      1920
## 331        Norm   Duplex     1Story            5           4      1964
## 332        Norm     1Fam     1Story            5           6      1958
## 333        Norm     1Fam     1Story            8           5      2003
## 334        Norm   TwnhsE     1Story            7           5      2004
## 335        Norm     1Fam     2Story            6           5      1998
## 336        Norm   2fmCon     1.5Fin            5           6      1965
## 337        Norm     1Fam     1Story            9           5      2005
## 338        Norm     1Fam     1Story            7           5      2002
## 339        Norm     1Fam     1Story            7           7      1984
## 340        Norm     1Fam     1Story            6           7      1958
## 341        Norm     1Fam     2Story            8           5      2002
## 342        Norm     1Fam     1Story            4           4      1950
## 343        Norm   Duplex     1Story            3           4      1949
## 344        Norm   TwnhsE     1Story            9           5      2005
```

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## 345        Norm   TwnhsE     2Story            5             3       1976
## 346        Norm     1Fam     1.5Fin            6             5       1939
## 347        Norm     1Fam     1Story            6             8       1960
## 348        Norm     1Fam     1Story            6             5       1960
## 349        Norm    Twnhs     2Story            7             5       2003
## 350        Norm     1Fam     2Story            9             5       2005
## 351        Norm   TwnhsE     1Story            9             5       2007
## 352        Norm     1Fam     1Story            7             5       1986
## 353        Norm     1Fam     1.5Fin            5             6       1941
## 354        Norm     1Fam     1Story            6             8       1928
## 355        Norm     1Fam     1.5Fin            6             5       1940
## 356        Norm     1Fam     1Story            6             5       1995
## 357        Norm     1Fam     1Story            6             6       1992
## 358        Norm   TwnhsE     1Story            5             5       1976
## 359        Norm     1Fam       SLvl            5             4       1958
## 360        Norm     1Fam     2Story            8             5       1998
## 361        Norm     1Fam     SFoyer            6             6       1978
## 362        Norm     1Fam     1.5Fin            5             5       1940
## 363        Norm     1Fam     SFoyer            7             5       2003
## 364        Norm    Twnhs     2Story            6             8       1972
## 365        Norm     1Fam     2Story            6             5       1976
## 366        Norm     1Fam     2Story            5             7       1920
## 367        Norm     1Fam     1Story            6             5       1963
## 368        Norm     1Fam       SLvl            6             5       1962
## 369        Norm     1Fam     1Story            5             6       1954
## 370        Norm     1Fam     1Story            5             7       1959
## 371        Norm     1Fam     2Story            6             5       2000
## 372        Norm     1Fam     1.5Fin            4             4       1959
## 373        Norm   TwnhsE     1Story            6             5       1984
## 374        Norm     1Fam     1Story            5             6       1953
## 375        Norm     1Fam     2Story            7             5       2003
## 376        Norm     1Fam     1Story            1             1       1922
## 377        Norm     1Fam     SFoyer            5             5       1996
## 378        Norm     1Fam     2Story            8             5       2004
## 379        Norm     1Fam     1Story            9             2       2010
## 380        Norm     1Fam     2Story            6             5       2000
## 381        Norm     1Fam     1.5Fin            5             6       1924
## 382        Norm     1Fam     1Story            7             5       2006
## 383        Norm     1Fam     2Story            7             5       2006
## 384        Norm     1Fam     1.5Unf            6             3       1928
## 385        Norm     1Fam     2Story            6             5       1992
## 386        Norm   TwnhsE     1Story            8             5       2004
## 387        Norm     1Fam     1.5Fin            5             3       1910
## 388        Norm     1Fam       SLvl            6             6       1976
## 389        Norm     1Fam     1Story            7             5       1999
## 390        Norm     1Fam     2Story           10             5       2007
## 391        Norm     1Fam     1.5Fin            5             8       1900
## 392        Norm     1Fam     2Story            6             5       2001
## 393        Norm     1Fam     1Story            5             7       1959
## 394        Norm     1Fam     1Story            4             5       1941
## 395        Norm     1Fam     1.5Fin            5             6       1940
## 396        Norm     1Fam     1Story            5             6       1956
## 397        Norm     1Fam     1Story            5             5       1972
## 398        Norm     1Fam     2Story            5             5       1962
```

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## 399        Norm     1Fam     1Story            5            2      1920
## 400        Norm     1Fam     2Story            7            5      2006
## 401        Norm   TwnhsE     1Story            8            5      1996
## 402        Norm     1Fam     1Story            7            5      2005
## 403        Norm     1Fam     1Story            5            8      1940
## 404        Norm     1Fam     2Story            8            5      1998
## 405        Norm     1Fam     2Story            6            5      1995
## 406        Norm     1Fam     1Story            4            4      1976
## 407        Norm     1Fam     1.5Fin            6            5      1936
## 408        Norm     1Fam     2Story            6            7      1915
## 409        Norm     1Fam     2Story            7            5      2006
## 410        Norm     1Fam     2Story            8            5      2007
## 411        Norm     1Fam     1Story            5            3      1958
## 412        Norm   2fmCon     1Story            5            5      1955
## 413        Norm     1Fam     1Story            7            5      2009
## 414        Norm     1Fam     1Story            5            6      1927
## 415        Norm     1Fam     2Story            7            5      1993
## 416        Norm     1Fam     1Story            7            5      2007
## 417        Norm     1Fam     2Story            6            7      1978
## 418        Norm     1Fam     2Story            6            6      1918
## 419        Norm     1Fam     1.5Fin            5            6      1940
## 420        Norm     1Fam     1Story            5            6      1968
## 421        Norm   Duplex     SFoyer            7            5      1997
## 422        Norm     1Fam     1Story            6            7      1977
## 423        Norm     1Fam     1Story            5            5      1954
## 424        Norm     1Fam     2Story            8            5      1998
## 425        Norm     1Fam     1Story            6            5      1956
## 426        Norm     1Fam     2Story            7            8      1946
## 427        Norm     1Fam       SLvl            7            5      1989
## 428        Norm     1Fam     1Story            4            6      1957
## 429        Norm     1Fam     1Story            7            5      2007
## 430        Norm     1Fam     1Story            6            5      1988
## 431        Norm    Twnhs     2Story            6            5      1971
## 432        Norm     1Fam     1.5Fin            6            7      1920
## 433        Norm   TwnhsE     2Story            5            5      1971
## 434        Norm     1Fam     2Story            6            5      1997
## 435        Norm    Twnhs     SFoyer            4            7      1972
## 436        Norm     1Fam     2Story            7            6      1996
## 437        Norm     1Fam     1.5Fin            6            8      1920
## 438        Norm     1Fam     1.5Unf            6            7      1926
## 439        Norm     1Fam     1Story            5            6      1913
## 440        Norm     1Fam     1.5Fin            6            8      1920
## 441        Norm     1Fam     1Story           10            5      2008
## 442        Norm   Duplex     1Story            4            4      1955
## 443        Norm     1Fam     1.5Fin            5            7      1930
## 444        Norm   TwnhsE     1Story            7            5      2006
## 445        Norm     1Fam     2Story            7            5      1994
## 446        Norm     1Fam     1Story            6            5      1956
## 447        Norm     1Fam     1Story            6            6      1966
## 448        Norm     1Fam     2Story            7            5      1998
## 449        Norm     1Fam     1.5Fin            6            6      1937
## 450        Norm     1Fam     1.5Fin            3            7      1948
## 451        Norm     1Fam     1Story            6            8      1930
## 452        Norm     1Fam     1Story            7            5      1975
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## 453        Norm     1Fam     2Story            6            5      1996
## 454        Norm     1Fam     2Story            8            5      2008
## 455        Norm   Duplex     1Story            5            5      1976
## 456        Norm     1Fam     1Story            7            6      1973
## 457        Norm     1Fam     2Story            5            5      1916
## 458        Norm     1Fam     1Story            4            6      1954
## 459        Norm     1Fam     2Story            8            7      1925
## 460        Norm     1Fam     1.5Fin            5            4      1950
## 461        Norm     1Fam     2Story            8            5      2009
## 462        Norm     1Fam     2Story            7            9      1936
## 463        Norm     1Fam     1Story            5            5      1965
## 464        Norm     1Fam     2Story            6            7      1934
## 465        Norm     1Fam     1Story            5            5      1978
## 466        Norm   TwnhsE     1Story            7            5      2004
## 467        Norm     1Fam     1Story            7            5      1970
## 468        Norm     1Fam     2Story            5            7      1942
## 469        Norm     1Fam     1Story            8            5      2006
## 470        Norm     1Fam     2Story            6            5      1993
## 471        Norm   TwnhsE     1Story            8            5      1985
## 472        Norm     1Fam     2Story            7            6      1977
## 473        Norm   TwnhsE       SLvl            6            5      2005
## 474        Norm     1Fam     1Story            8            5      2006
## 475        Norm   TwnhsE     1Story            8            5      2000
## 476        Norm     1Fam     1Story            5            6      1963
## 477        Norm     1Fam     1Story            6            5      1997
## 478        Norm     1Fam     2Story            9            5      2006
## 479        Norm     1Fam     1Story            8            5      2007
## 480        Norm     1Fam     1Story            4            7      1937
## 481        Norm     1Fam     1Story            9            5      2004
## 482        Norm     1Fam     1Story            9            5      2003
## 483        Norm     1Fam     2Story            7            8      1915
## 484        Norm    Twnhs     1Story            6            5      1998
## 485        Norm     1Fam     1Story            5            7      1962
## 486        Norm     1Fam     1Story            5            7      1950
## 487        Norm     1Fam     1Story            5            7      1965
## 488        Norm     1Fam     1Story            5            6      1971
## 489        Norm   2fmCon     1.5Fin            5            4      1900
## 490        Norm    Twnhs     SFoyer            4            8      1970
## 491        Norm   TwnhsE     2Story            5            6      1976
## 492        Norm     1Fam     1.5Fin            6            7      1941
## 493        Norm     1Fam     2Story            6            5      2006
## 494        Norm     1Fam     1Story            5            6      1960
## 495        Norm     1Fam     1Story            5            8      1938
## 496        Norm     1Fam     1Story            4            5      1920
## 497        Norm     1Fam     1Story            8            5      1992
## 498        Norm     1Fam     1.5Fin            7            6      1925
## 499        Norm     1Fam     1Story            5            7      1967
## 500        Norm     1Fam     1Story            5            7      1958
## 501        Norm    Twnhs     2Story            6            5      1973
## 502        Norm     1Fam     2Story            7            5      2005
## 503        Norm     1Fam     1Story            5            7      1965
## 504        Norm     1Fam     1Story            7            8      1959
## 505        Norm   TwnhsE     2Story            6            5      1974
## 506        Norm   Duplex     2Story            5            5      1952
```

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## 507        Norm     1Fam     2Story            8           5      1993
## 508        Norm     1Fam     1Story            6           5      2009
## 509        Norm     1Fam     2Story            7           9      1928
## 510        Norm     1Fam     1Story            5           6      1959
## 511        Norm     1Fam     1Story            5           7      1951
## 512        Norm   TwnhsE     1Story            7           5      2005
## 513        Norm     1Fam     1Story            5           5      1958
## 514        Norm     1Fam     1Story            6           5      1983
## 515        Norm     1Fam     1.5Unf            5           5      1926
## 516        Norm     1Fam     1Story           10           5      2009
## 517        Norm     1Fam       SLvl            6           6      1972
## 518        Norm     1Fam     2Story            7           5      1996
## 519        Norm     1Fam     2Story            6           5      1998
## 520        Norm     1Fam     2Story            7           9      1926
## 521        Norm   2fmCon     2Story            4           7      1900
## 522        Norm     1Fam     1Story            6           6      1957
## 523        Norm     1Fam     1.5Fin            6           7      1947
## 524        PosN     1Fam     2Story           10           5      2007
## 525        Norm     1Fam     2Story            7           5      1996
## 526        Norm     1Fam     1Story            7           5      2005
## 527        Norm     1Fam     1Story            5           7      1956
## 528        Norm     1Fam     2Story            9           5      2008
## 529        Norm     1Fam     1Story            4           7      1920
## 530        Norm     1Fam     1Story            6           3      1957
## 531        Norm     1Fam       SLvl            6           5      1988
## 532       Feedr     1Fam     2Story            6           8      1920
## 533        Norm     1Fam     1Story            5           7      1955
## 534        Norm     1Fam     1Story            1           3      1946
## 535        Norm     1Fam     2Story            8           5      2004
## 536        Norm   2fmCon     2Story            5           7      1910
## 537        Norm     1Fam     2Story            7           5      1998
## 538        Norm     1Fam     1Story            4           5      1972
## 539        Norm     1Fam     1Story            5           5      1968
## 540        Norm     1Fam     1Story            8           5      2001
## 541        Norm     1Fam     1Story            9           5      2006
## 542        Norm     1Fam     2Story            8           5      2000
## 543        Norm     1Fam     1Story            7           5      1998
## 544        Norm   TwnhsE     SFoyer            7           5      1998
## 545        Norm     1Fam     2Story            7           5      2006
## 546        Norm     1Fam     1.5Fin            7           5      1988
## 547        Norm     1Fam     1.5Fin            6           7      1923
## 548        Norm     1Fam     SFoyer            5           7      1970
## 549        RRNn     1Fam     1Story            5           7      1955
## 550        Norm     1Fam     2Story            7           5      2003
## 551        Norm   TwnhsE     1Story            6           6      1977
## 552        Norm     1Fam     1Story            5           6      1957
## 553        Norm     1Fam     1Story            8           5      2006
## 554        Norm     1Fam     1Story            4           5      1949
## 555        Norm     1Fam     2Story            7           5      2003
## 556        Norm     1Fam     1.5Unf            5           6      1922
## 557        Norm     1Fam     1Story            5           5      1957
## 558        Norm     1Fam     1.5Fin            4           6      1920
## 559        Norm     1Fam     2Story            7           5      1996
## 560        Norm   TwnhsE     1Story            7           5      2003
```

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## 561        Norm     1Fam     1Story            5            6      1957
## 562        Norm     1Fam     1Story            5            5      1974
## 563        Norm     1Fam     1Story            5            6      1940
## 564        Norm     1Fam     1.5Fin            6            7      1918
## 565        Norm     1Fam     2Story            7            5      1992
## 566        Norm     1Fam     2Story            6            4      1915
## 567        Norm     1Fam     2Story            9            5      2005
## 568        Norm     1Fam     1Story            7            5      2004
## 569        Norm     1Fam     1.5Fin            8            8      1983
## 570        Norm   Duplex     SFoyer            5            5      1979
## 571        Norm   Duplex     1Story            5            5      1965
## 572        Norm     1Fam     1Story            6            6      1959
## 573        Norm     1Fam     2Story            7            5      2009
## 574        Norm     1Fam       SLvl            7            5      2000
## 575        Norm     1Fam       SLvl            5            7      1971
## 576        Norm     1Fam     1.5Fin            5            5      1947
## 577        Norm     1Fam     1.5Fin            7            7      1928
## 578        Norm     1Fam       SLvl            5            6      1966
## 579        Norm   TwnhsE     2Story            7            5      2007
## 580        Norm     1Fam     1.5Fin            5            5      1954
## 581        Norm     1Fam     1Story            6            6      1960
## 582        Norm     1Fam     1Story            8            5      2008
## 583        Norm   Duplex     SFoyer            6            5      1990
## 584        PosA     1Fam     2.5Unf           10            9      1893
## 585        Norm     1Fam     1.5Fin            4            7      1935
## 586        Norm     1Fam     1Story            8            5      2005
## 587        Norm     1Fam     1Story            6            7      1918
## 588        Norm     1Fam     SFoyer            5            6      1982
## 589        Norm     1Fam     1Story            5            8      1968
## 590       Feedr     1Fam     1Story            5            6      1930
## 591        Norm     1Fam     2Story            7            5      2004
## 592        Norm     1Fam     2Story           10            5      2008
## 593        Norm     1Fam     1Story            5            8      1982
## 594        Norm   TwnhsE     1Story            6            5      2003
## 595        Norm     1Fam     1Story            5            6      1975
## 596        Norm     1Fam     1Story            8            5      2005
## 597        Norm     1Fam     2Story            6            7      1910
## 598        Norm   TwnhsE     1Story            7            5      2006
## 599        Norm     1Fam     1Story            5            6      1977
## 600        Norm    Twnhs     2Story            6            6      1980
## 601        Norm     1Fam     2Story            8            5      2005
## 602        Norm     1Fam     1.5Fin            6            6      1937
## 603        Norm     1Fam     2Story            8            5      1992
## 604        Norm   TwnhsE     2Story            7            5      2004
## 605        Norm     1Fam     1Story            7            5      2002
## 606        Norm     1Fam     2Story            7            6      1965
## 607        Norm     1Fam     1Story            5            5      1996
## 608        Norm     1Fam     2Story            5            8      1948
## 609        Norm     1Fam     2Story            8            6      1934
## 610        Norm     1Fam     1Story            4            5      1961
## 611        Norm     1Fam     2Story            9            5      2000
## 612        Norm     1Fam       SLvl            6            6      1978
## 613        Norm     1Fam     2Story            8            5      2001
## 614        Norm     1Fam     1Story            5            5      2007
```

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## 615        Norm   TwnhsE     SFoyer            4            6       1972
## 616        Norm     1Fam     SFoyer            6            7       1963
## 617        Norm     1Fam     2Story            6            5       2002
## 618        Norm     1Fam     1.5Unf            6            6       1954
## 619        Norm     1Fam     1Story            9            5       2007
## 620        Norm     1Fam     2Story            8            5       2003
## 621        Norm     1Fam     1Story            3            3       1914
## 622        Norm     1Fam     2Story            6            7       1974
## 623        Norm     1Fam     1Story            5            6       1977
## 624        Norm   TwnhsE     2Story            6            5       2000
## 625        Norm     1Fam     2Story            6            5       1972
## 626        Norm     1Fam     1Story            6            6       1962
## 627        Norm     1Fam     1Story            5            5       1960
## 628        Norm     1Fam       SLvl            6            6       1955
## 629        Norm     1Fam     2Story            5            5       1969
## 630        Norm     1Fam       SLvl            6            5       1964
## 631        Norm     1Fam     2Story            5            6       1880
## 632        Norm    Twnhs     1Story            8            5       2006
## 633        Norm     1Fam     1Story            7            5       1977
## 634        Norm     1Fam     1Story            5            7       1954
## 635        Norm   Duplex     SFoyer            6            5       1980
## 636        Norm   2fmCon     2.5Fin            6            7       1914
## 637        Norm     1Fam     1Story            2            3       1936
## 638        Norm   2fmCon     1.5Fin            5            4       1954
## 639        Norm     1Fam     1Story            5            7       1910
## 640        Norm   TwnhsE     1Story            8            5       2006
## 641        Norm   TwnhsE     1Story            8            5       2003
## 642        Norm     1Fam     2Story            7            5       2001
## 643        Norm     1Fam       SLvl            8            7       1972
## 644        Norm     1Fam     2Story            5            5       1969
## 645        Norm     1Fam     1Story            9            5       2009
## 646        Norm     1Fam     1Story            6            5       1971
## 647        Norm     1Fam     1Story            5            5       1950
## 648        Norm     1Fam     1Story            6            5       1953
## 649        Norm     1Fam     2Story            6            5       1966
## 650        Norm    Twnhs     SFoyer            4            6       1970
## 651        Norm     1Fam     2Story            7            6       2007
## 652        Norm     1Fam     2Story            4            5       1940
## 653        Norm     1Fam     2Story            7            5       1996
## 654        Norm     1Fam     1.5Fin            6            7       1906
## 655        Norm     1Fam     1Story            8            6       1995
## 656        Norm    Twnhs     2Story            6            5       1971
## 657        Norm     1Fam     1Story            5            7       1959
## 658        Norm     1Fam     2Story            7            6       1931
## 659        Norm     1Fam     1.5Fin            6            5       1948
## 660        Norm     1Fam     1Story            5            7       1964
## 661        Norm     1Fam     2Story            7            7       1976
## 662        Norm     1Fam     2Story            8            7       1994
## 663        Norm     1Fam     1Story            6            3       1968
## 664        Norm     1Fam     SFoyer            4            5       1972
## 665        Norm     1Fam     1Story            8            5       2005
## 666        Norm     1Fam     2Story            8            5       2000
## 667        Norm     1Fam     2Story            6            5       1965
## 668        Norm     1Fam     1Story            6            5       1994
```

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## 669        Norm     1Fam     1Story          5           6      1956
## 670        Norm     1Fam     1Story          4           5      1922
## 671        Norm     1Fam     2Story          6           5      2005
## 672        Norm     1Fam     2Story          6           6      1925
## 673        Norm     1Fam     1Story          6           6      1977
## 674        Norm     1Fam     1Story          6           7      1957
## 675        Norm     1Fam     1Story          6           6      1965
## 676        Norm    Twnhs     2Story          6           6      1978
## 677        Norm     1Fam     2Story          4           2      1900
## 678        Norm     1Fam     1Story          5           8      1924
## 679        Norm     1Fam     1Story          8           5      2008
## 680        Norm     1Fam     1Story          5           5      1961
## 681        Norm   TwnhsE     1Story          6           5      1980
## 682        Norm     1Fam     1.5Fin          5           5      1932
## 683        Norm     1Fam     1Story          6           5      1996
## 684        Norm     1Fam     1Story          9           5      2002
## 685        Norm     1Fam     2Story          7           5      1998
## 686        Norm   TwnhsE     2Story          7           5      1984
## 687        Norm     1Fam     2Story          7           6      2007
## 688        Norm   TwnhsE     2Story          7           5      2004
## 689        Norm     1Fam     1Story          8           6      2007
## 690        Norm   TwnhsE     1Story          6           5      2005
## 691        Norm   TwnhsE     1Story          6           5      2004
## 692        Norm     1Fam     2Story         10           6      1994
## 693        Norm     1Fam     2Story          7           5      1989
## 694        Norm     1Fam     1Story          5           6      1921
## 695        Norm     1Fam     1.5Fin          5           6      1936
## 696        Norm     1Fam     1Story          6           6      1987
## 697        Norm     1Fam     1Story          5           7      1921
## 698        Norm     1Fam     1Story          5           7      1952
## 699        Norm     1Fam     1Story          5           8      1965
## 700        Norm   TwnhsE     1Story          7           5      2004
## 701        Norm     1Fam     1Story          8           5      2002
## 702        Norm     1Fam     1Story          7           5      1969
## 703        Norm     1Fam     2Story          8           5      2006
## 704        Norm   2fmCon     2Story          5           9      1900
## 705        Norm     1Fam     1Story          7           5      2004
## 706        Norm   2fmCon     2Story          4           5      1930
## 707        Norm     1Fam     1Story          7           5      1971
## 708        Norm   TwnhsE     1Story          8           5      2006
## 709        Norm     1Fam     2Story          7           5      2007
## 710        Norm     1Fam     1Story          5           7      1966
## 711        Norm     1Fam     1Story          3           6      1935
## 712        Norm     1Fam     1.5Fin          4           7      1900
## 713        Norm   TwnhsE     1Story          8           5      1988
## 714        Norm   2fmCon     1Story          4           5      1970
## 715        Norm     1Fam     2Story          6           8      1976
## 716        Norm     1Fam     1Story          6           5      1974
## 717        Norm     1Fam     2Story          7           8      1890
## 718        Norm     1Fam     1Story          5           6      1973
## 719        Norm     1Fam     2Story          7           5      1993
## 720        Norm     1Fam     1Story          5           6      1969
## 721        Norm     1Fam     1Story          8           5      1985
## 722        Norm   TwnhsE     1Story          6           5      2004
```

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## 723        Norm     1Fam     1Story            4            7      1970
## 724        Norm     1Fam     1.5Fin            4            6      1954
## 725        Norm     1Fam     1Story            9            5      2007
## 726        Norm     1Fam     1Story            4            6      1970
## 727        Norm     1Fam     1Story            6            9      1988
## 728        Norm     1Fam     1Story            7            5      2007
## 729        Norm   Duplex     1Story            5            5      1958
## 730        Norm     1Fam     1.5Fin            4            5      1925
## 731        Norm   TwnhsE     1Story            8            5      1995
## 732        Norm     1Fam       SLvl            7            5      2003
## 733        Norm     1Fam     2Story            7            5      1998
## 734        Norm     1Fam     1Story            5            6      1961
## 735        Norm     1Fam     1Story            5            5      1968
## 736        Norm     1Fam     2.5Unf            7            7      1914
## 737        Norm   Duplex     1Story            3            4      1950
## 738        Norm     1Fam     2Story            8            5      2005
## 739        Norm   Duplex     1Story            5            5      1987
## 740        Norm     1Fam     2Story            7            5      2004
## 741        Norm     1Fam     2Story            5            7      1910
## 742        Norm     1Fam     1Story            6            8      1961
## 743        Norm     1Fam     1Story            7            5      2000
## 744        Norm     1Fam       SLvl            5            6      1963
## 745        Norm   TwnhsE     1Story            8            5      1993
## 746        Norm     1Fam     2Story            8            9      1976
## 747        Norm     1Fam     2Story            7            5      2000
## 748        Norm     1Fam     2Story            7            7      1880
## 749        Norm     1Fam     1Story            7            5      1996
## 750        Norm     1Fam     1.5Fin            4            3      1945
## 751        Norm     1Fam     1.5Fin            4            7      1910
## 752        Norm     1Fam     2Story            7            5      2003
## 753        Norm     1Fam     1Story            6            5      1997
## 754        Norm     1Fam     2Story            8            5      2005
## 755        Norm     1Fam     1Story            6            8      1969
## 756        Norm   TwnhsE     2Story            6            5      1999
## 757        Norm     1Fam     2Story            8            5      2007
## 758        Norm     1Fam     2Story            6            5      1978
## 759        Norm    Twnhs     2Story            7            5      1999
## 760        Norm     1Fam     2Story            8            5      1995
## 761        Norm     1Fam     1Story            6            6      1959
## 762        Norm     1Fam     1Story            5            5      1924
## 763        Norm     1Fam     2Story            7            5      2009
## 764        Norm     1Fam     2Story            8            5      1999
## 765        Norm   TwnhsE     1Story            8            5      1995
## 766        Norm     1Fam     1Story            9            5      2008
## 767        Norm     1Fam     2Story            7            5      1988
## 768        Norm     1Fam     1.5Fin            6            7      1940
## 769        Norm     1Fam     1Story            7            5      2004
## 770        Norm     1Fam     2Story            8            5      2003
## 771        Norm     1Fam     SFoyer            5            5      1982
## 772        Norm     1Fam     1Story            4            5      1951
## 773        Norm     1Fam       SLvl            6            5      1976
## 774        Norm     1Fam     1Story            5            5      1958
## 775        Norm     1Fam     1Story            8            5      2006
## 776        Norm   TwnhsE     1Story            6            5      1998
```

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## 777        Norm     1Fam     1Story           7           5      2005
## 778        Norm     1Fam     1Story           5           5      1974
## 779        Norm   Duplex     1Story           5           5      1977
## 780        Norm   Duplex     SFoyer           6           5      1977
## 781        Norm     1Fam     1Story           7           5      1995
## 782        Norm     1Fam     2Story           6           5      1992
## 783        Norm     1Fam     1Story           7           5      2001
## 784        Norm     1Fam     SFoyer           5           6      1978
## 785        Norm     1Fam     2.5Unf           6           6      1914
## 786        Norm     1Fam     1Story           6           5      1967
## 787        Norm     1Fam     1.5Fin           5           6      1915
## 788        Norm     1Fam     2Story           7           5      2004
## 789        Norm     1Fam     1Story           4           7      1954
## 790        Norm     1Fam     2Story           6           8      1966
## 791        Norm   TwnhsE     1Story           7           5      2005
## 792        Norm     1Fam       SLvl           6           5      1976
## 793        Norm     1Fam     2Story           7           5      1996
## 794        Norm     1Fam     1Story           8           5      2007
## 795        Norm     1Fam     2Story           7           5      1994
## 796        Norm     1Fam     2Story           6           6      1980
## 797        Norm     1Fam     1Story           6           5      1977
## 798        Norm     1Fam     1Story           5           5      1953
## 799        Norm     1Fam     2Story           9           5      2008
## 800        Norm     1Fam     1.5Fin           5           7      1937
## 801        Norm     1Fam     2Story           6           5      1997
## 802        Norm     1Fam     1Story           4           7      1916
## 803        Norm     1Fam     2Story           7           5      2005
## 804        Norm     1Fam     2Story           9           5      2008
## 805        Norm     1Fam     1Story           5           5      1954
## 806        Norm     1Fam     1Story           7           5      2008
## 807        Norm     1Fam       SLvl           5           5      1967
## 808        Norm     1Fam     2Story           5           6      1923
## 809        Norm     1Fam       SLvl           5           5      1966
## 810        Norm     1Fam     2.5Unf           5           5      1898
## 811        Norm     1Fam     1Story           6           6      1974
## 812        Norm   TwnhsE     1Story           6           5      2004
## 813        Norm     1Fam     1Story           5           5      1952
## 814        Norm     1Fam     1Story           6           6      1958
## 815        Norm     1Fam     1.5Fin           5           7      1918
## 816        Norm     1Fam     1Story           7           5      1998
## 817        Norm     1Fam     1Story           5           6      1954
## 818        Norm     1Fam     1Story           8           5      2002
## 819        Norm     1Fam       SLvl           6           7      1971
## 820        Norm   TwnhsE     1Story           7           5      2009
## 821        Norm     1Fam     2Story           7           5      2003
## 822        Norm   2fmCon     1Story           4           4      1953
## 823        Norm     1Fam     2Story           7           5      2003
## 824        Norm     1Fam     1.5Fin           6           7      1940
## 825        Norm     1Fam     1Story           8           5      2006
## 826        PosN     1Fam     1Story          10           5      2007
## 827        Norm     1Fam     1.5Unf           5           6      1924
## 828        Norm     1Fam     1Story           7           5      2001
## 829        Norm     1Fam     2Story           5           5      1967
## 830        Norm    Twnhs     2Story           7           5      2005
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## 831        Norm     1Fam     1Story            6            5      1957
## 832        Norm   TwnhsE     2Story            7            5      2005
## 833        Norm     1Fam     2Story            7            6      2003
## 834        Norm     1Fam     1Story            6            6      1964
## 835        Norm     1Fam     1Story            5            6      1961
## 836        Norm     1Fam     1Story            4            7      1950
## 837        Norm     1Fam     1Story            5            6      1948
## 838        Norm    Twnhs     2Story            6            5      1973
## 839        Norm     1Fam     1Story            5            6      1995
## 840        Norm     1Fam     1.5Fin            5            6      1946
## 841        Norm     1Fam     2Story            6            8      1925
## 842        Norm     1Fam     2Story            5            8      1904
## 843        Norm     1Fam       SLvl            6            7      1966
## 844        Norm   Duplex     1Story            5            4      1961
## 845        Norm     1Fam     1.5Fin            5            8      1915
## 846        Norm     1Fam     SFoyer            5            5      1975
## 847        Norm     1Fam     2Story            7            5      1993
## 848        Norm     1Fam     1Story            5            6      1972
## 849        Norm     1Fam     1.5Fin            6            8      1908
## 850        Norm     1Fam       SLvl            6            7      1976
## 851        Norm   TwnhsE     1Story            6            5      2003
## 852        Norm   TwnhsE     1Story            8            5      2003
## 853        Norm     1Fam     2.5Unf            7            5      1941
## 854        Norm     1Fam       SLvl            6            6      1964
## 855        Norm     1Fam     1Story            5            4      1955
## 856        Norm     1Fam     1Story            5            8      1962
## 857        Norm     1Fam       SLvl            6            6      1978
## 858        Norm     1Fam     2Story            6            5      1994
## 859        Norm     1Fam     1Story            7            5      1976
## 860        Norm     1Fam     2Story            6            7      1968
## 861        Norm     1Fam     1.5Fin            7            8      1918
## 862        Norm   2fmCon     1Story            5            4      1965
## 863        Norm     1Fam     1Story            6            5      1984
## 864        Norm     1Fam     1Story            5            5      1959
## 865        Norm     1Fam     1Story            7            5      2007
## 866        Norm     1Fam     1Story            5            6      1970
## 867        Norm     1Fam     1Story            8            5      2006
## 868        Norm     1Fam     1Story            4            5      1961
## 869        Norm     1Fam     2Story            5            6      1948
## 870        Norm     1Fam     2Story            7            5      1993
## 871        Norm     1Fam     1Story            5            5      1962
## 872        Norm     1Fam     2Story            6            5      1998
## 873        Norm     1Fam     1Story            5            7      1953
## 874        Norm     1Fam     1Story            5            7      1949
## 875        Norm     1Fam     1.5Fin            5            6      1941
## 876        Norm     1Fam     2Story            8            5      2007
## 877        Norm     1Fam     1Story            4            5      1963
## 878        Norm     1Fam     2Story            9            5      2004
## 879        Norm     1Fam     SFoyer            5            7      1961
## 880        Norm     1Fam     1Story            5            8      1978
## 881        Norm     1Fam     1Story            5            5      2005
## 882        Norm     1Fam     1.5Fin            7            5      1990
## 883        Norm     1Fam     2Story            6            5      1992
## 884        Norm     1Fam     2.5Fin            4            5      1912
```

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## 885        Norm     1Fam     1Story            5            5      1967
## 886        Norm   TwnhsE     1Story            9            5      1999
## 887        Norm   Duplex     1Story            5            5      1959
## 888        Norm     1Fam     1.5Fin            5            7      1955
## 889        Norm     1Fam     1Story            8            6      1970
## 890        Norm     1Fam     1Story            6            4      1953
## 891        Norm     1Fam     1.5Fin            5            7      1949
## 892        Norm     1Fam     2Story            6            5      1978
## 893        Norm     1Fam     1Story            6            8      1963
## 894        Norm     1Fam     1Story            5            5      1954
## 895        Norm   Duplex     1Story            5            5      1979
## 896        Norm     1Fam     2Story            6            5      1963
## 897        Norm     1Fam     1Story            4            6      1936
## 898        Norm   Duplex     2Story            5            5      1979
## 899        Norm     1Fam     1Story            9            5      2009
## 900        Norm     1Fam     1Story            5            7      1961
## 901        Norm     1Fam     1Story            4            6      1971
## 902        Norm     1Fam     1Story            5            7      1957
## 903        Norm     1Fam     2Story            7            5      2003
## 904        Norm     1Fam     1Story            7            5      2006
## 905        Norm     1Fam     1Story            5            6      1967
## 906        Norm     1Fam     1Story            5            5      1954
## 907        Norm     1Fam     1Story            8            5      2006
## 908        Norm     1Fam     1.5Fin            7            7      1936
## 909        Norm     1Fam     1Story            5            5      1983
## 910        Norm     1Fam     2Story            6            5      2005
## 911        Norm   Duplex     2Story            5            5      1960
## 912        Norm     1Fam     1Story            5            7      1977
## 913        Norm     1Fam     1Story            5            7      1925
## 914        Norm   Duplex     2Story            5            6      1949
## 915        Norm   TwnhsE     2Story            6            5      2009
## 916        Norm    Twnhs     2Story            4            5      1970
## 917        Norm     1Fam     1Story            2            3      1949
## 918        Norm     1Fam     1Story            4            6      1956
## 919        Norm     1Fam     2Story            7            5      1991
## 920        Norm     1Fam     1Story            6            8      1958
## 921        Norm     1Fam     2Story            6            5      1994
## 922        Norm   Duplex     1.5Fin            5            7      1900
## 923        Norm     1Fam     1Story            6            5      2005
## 924        Norm   TwnhsE     1Story            6            5      1993
## 925        Norm     1Fam     1Story            6            6      1980
## 926        Norm     1Fam     1Story            5            6      1977
## 927        Norm     1Fam     2Story            8            5      2003
## 928        Norm     1Fam     2Story            7            5      1968
## 929        Norm     1Fam     1Story            8            5      2001
## 930        Norm     1Fam     2Story            7            5      1997
## 931        Norm     1Fam     1Story            8            5      2007
## 932        Norm     1Fam     1Story            5            6      1965
## 933        Norm     1Fam     1Story            9            5      2006
## 934        Norm     1Fam     1Story            7            5      2004
## 935        Norm     1Fam     1Story            7            7      1960
## 936        Norm     1Fam     1Story            4            5      1926
## 937        Norm     1Fam     1Story            7            5      2003
## 938        Norm     1Fam     2Story            7            5      2005
```

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## 939        Norm     1Fam     2Story            7            5      2006
## 940        Norm     1Fam     2Story            7            7      1940
## 941        Norm   Duplex     1Story            6            5      1976
## 942        Norm     1Fam     2Story            7            5      1999
## 943        Norm   Duplex     1Story            4            3      1977
## 944        Norm   Duplex     1Story            5            4      1967
## 945        Norm     1Fam       SLvl            6            6      1958
## 946        Norm     1Fam     1.5Fin            5            6      1890
## 947        Norm     1Fam       SLvl            5            6      1959
## 948        Norm     1Fam     1Story            8            5      2002
## 949        Norm     1Fam     2Story            7            5      2002
## 950        Norm     1Fam     1Story            6            7      1972
## 951        Norm     1Fam     1Story            5            8      1950
## 952        Norm     1Fam     1Story            5            5      1965
## 953        Norm     1Fam     SFoyer            5            8      1972
## 954        Norm     1Fam     2Story            5            4      1969
## 955        Norm   Duplex     SFoyer            6            5      1975
## 956        Norm   Duplex     2Story            6            6      1946
## 957        Norm   TwnhsE     2Story            6            6      1980
## 958        Norm     1Fam     1Story            5            5      1962
## 959        Norm     1Fam     1Story            7            5      2003
## 960        Norm    Twnhs     2Story            7            5      1999
## 961        Norm     1Fam     1Story            5            7      1958
## 962        Norm     1Fam     2Story            6            7      1977
## 963        Norm   TwnhsE     2Story            6            6      1976
## 964        Norm     1Fam     1Story            9            5      2007
## 965        Norm     1Fam     2Story            7            5      2002
## 966        Norm     1Fam     2Story            6            5      2005
## 967        Norm     1Fam     1.5Fin            5            7      1940
## 968        Norm     1Fam     1Story            5            7      1955
## 969        Norm     1Fam     1.5Fin            3            6      1910
## 970        Norm   2fmCon       SLvl            6            5      1958
## 971        Norm     1Fam     1.5Fin            4            4      1949
## 972        Norm    Twnhs     2Story            7            5      2003
## 973        Norm   TwnhsE     1Story            6            5      1979
## 974        Norm     1Fam     1Story            7            5      2007
## 975       Feedr     1Fam     2Story            7            8      1910
## 976        Norm    Twnhs     2Story            7            5      2000
## 977        Norm     1Fam     1Story            4            7      1923
## 978        Norm   TwnhsE     1Story            7            5      2006
## 979        Norm     1Fam     1Story            4            5      1954
## 980        Norm     1Fam     1Story            5            6      1963
## 981        Norm     1Fam     SFoyer            7            9      1961
## 982        Norm     1Fam     2Story            8            5      1998
## 983        Norm     1Fam     1Story            7            5      2007
## 984        Norm     1Fam     2Story            8            5      2002
## 985        Norm   Duplex     1.5Fin            5            5      1977
## 986        Norm   2fmCon     1Story            5            5      1950
## 987        Norm     1Fam     1.5Fin            6            8      1910
## 988        Norm     1Fam     1Story            9            5      2009
## 989        Norm     1Fam     2Story            6            6      1976
## 990        Norm     1Fam     2Story            7            5      2006
## 991        Norm     1Fam     2Story            8            5      1997
## 992        Norm     1Fam     2Story            8            9      1882
```

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## 993        Norm     1Fam     2Story            6            8       1964
## 994        Norm     1Fam     2Story            6            5       2005
## 995        Norm     1Fam     1Story           10            5       2006
## 996        Norm     1Fam     1.5Fin            4            7       1946
## 997        Norm     1Fam     1Story            5            6       1961
## 998        Norm     1Fam     1Story            6            6       1970
## 999        Norm     1Fam     1Story            3            4       1922
## 1000       Norm     1Fam     1Story            7            5       2006
## 1001       Norm     1Fam     1Story            3            3       1952
## 1002       Norm     1Fam     1Story            5            6       1920
## 1003       Norm     1Fam     1Story            8            5       2006
## 1004       RRAn   Duplex     1Story            5            6       1976
## 1005       Norm   TwnhsE     1Story            7            5       2005
## 1006       Norm     1Fam       SLvl            5            8       1977
## 1007       Norm     1Fam     1Story            6            3       1970
## 1008       Norm   TwnhsE     2Story            4            4       1970
## 1009       Norm     1Fam     1Story            7            5       2004
## 1010       Norm     1Fam     1.5Fin            5            5       1926
## 1011       Norm     1Fam     1.5Fin            5            5       1948
## 1012       Norm   Duplex     1Story            5            5       1965
## 1013       Norm     1Fam     2Story            6            7       1923
## 1014       Norm     1Fam     1Story            5            4       1910
## 1015       Norm     1Fam     1Story            6            5       1948
## 1016       Norm     1Fam     2Story            8            6       2001
## 1017       Norm     1Fam     1Story            7            5       1996
## 1018       Norm   TwnhsE     1Story            8            5       1984
## 1019       Norm     1Fam       SLvl            7            5       1991
## 1020       Norm   TwnhsE     1Story            7            5       2005
## 1021       Norm     1Fam     1Story            4            5       2005
## 1022       Norm     1Fam     1Story            7            5       2006
## 1023       Norm     1Fam     1.5Fin            5            5       1930
## 1024       Norm   TwnhsE     1Story            7            5       2005
## 1025       Norm     1Fam     1Story            8            6       1976
## 1026       Norm     1Fam     1Story            5            5       1972
## 1027       Norm     1Fam     1Story            5            5       1960
## 1028       Norm     1Fam     1Story            8            5       2007
## 1029       Norm     1Fam     1.5Fin            5            5       1941
## 1030       Norm    Twnhs     2Story            6            7       1972
## 1031       Norm   2fmCon     2Story            5            8       1916
## 1032       Norm     1Fam     2.5Fin            7            3       1920
## 1033       Norm     1Fam     2Story            8            7       1993
## 1034       Norm     1Fam     1Story            7            5       2002
## 1035       Norm     1Fam     1Story            5            7       1938
## 1036       Norm     1Fam     1Story            4            3       1957
## 1037       Norm     1Fam     1Story            9            5       2007
## 1038       Norm     1Fam     2Story            8            5       2001
## 1039       Norm    Twnhs     2Story            4            6       1970
## 1040       Norm   TwnhsE     SFoyer            4            4       1970
## 1041       Norm     1Fam     1Story            5            4       1957
## 1042       Norm     1Fam     2Story            6            8       1966
## 1043       Norm    Twnhs     1Story            6            5       2005
## 1044       Norm     1Fam     2Story            7            5       1990
## 1045       Norm     1Fam     1Story            8            5       1981
## 1046       Norm     1Fam     1Story            3            5       1955
```

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## 1047       Norm     1Fam     2Story            9           5       2005
## 1048       Norm     1Fam     1Story            5           5       1994
## 1049       Norm     1Fam     1Story            5           4       1960
## 1050       Norm     1Fam     1Story            4           7       1946
## 1051       Norm     1Fam     1Story            7           5       2007
## 1052       Norm     1Fam     1Story            7           5       2007
## 1053       Norm     1Fam     2Story            6           6       1964
## 1054       Norm     1Fam     1Story            5           6       1957
## 1055       Norm     1Fam     2Story            8           5       2002
## 1056       Norm     1Fam     1Story            6           5       1976
## 1057       Norm   TwnhsE     1Story            7           5       2005
## 1058       Norm     1Fam     2Story            7           6       1994
## 1059       Norm     1Fam     2Story            9           5       2008
## 1060       Norm     1Fam     1.5Fin            6           7       1932
## 1061       Norm   TwnhsE     1Story            8           5       2001
## 1062       Norm     1Fam     1Story            3           4       1935
## 1063       Norm   2fmCon     2Story            5           5       1900
## 1064       Norm     1Fam     1Story            6           6       1925
## 1065       Norm     1Fam     1Story            5           6       1966
## 1066       Norm     1Fam     2Story            7           5       1996
## 1067       Norm     1Fam     2Story            6           7       1993
## 1068       Norm     1Fam     2Story            6           6       1964
## 1069       Norm   TwnhsE     2Story            6           4       1973
## 1070       Norm     1Fam     1.5Unf            5           7       1949
## 1071       Norm     1Fam     1Story            5           5       1956
## 1072       Norm     1Fam     2Story            6           6       1968
## 1073       Norm     1Fam     1.5Fin            5           3       1948
## 1074       Norm     1Fam     2Story            6           6       1977
## 1075       Norm     1Fam     1Story            7           5       2006
## 1076       Norm     1Fam     2Story            7           6       1940
## 1077       Norm     1Fam     1.5Fin            5           8       1936
## 1078       Norm     1Fam     1Story            5           5       1969
## 1079       Norm   TwnhsE     1Story            6           5       2004
## 1080       Norm     1Fam     1Story            5           5       1994
## 1081       Norm     1Fam     1Story            6           7       1971
## 1082       Norm     1Fam     1Story            5           5       1963
## 1083       Norm     1Fam     1Story            7           5       2002
## 1084       Norm     1Fam     1Story            6           6       1964
## 1085       Norm     1Fam     2Story            6           5       1995
## 1086       Norm     1Fam     SFoyer            6           6       1992
## 1087       Norm   TwnhsE     2Story            4           5       1973
## 1088       Norm     1Fam     2Story            8           5       2005
## 1089       Norm    Twnhs     2Story            7           5       2004
## 1090       Norm   TwnhsE     1Story            8           5       2005
## 1091       Norm   Duplex     1Story            3           4       1950
## 1092       Norm    Twnhs     2Story            7           5       1999
## 1093       Norm     1Fam     1.5Fin            6           5       1925
## 1094       Norm     1Fam     1Story            5           8       1965
## 1095       Norm     1Fam     1Story            5           7       1956
## 1096       Norm     1Fam     1Story            6           5       2006
## 1097       Norm     1Fam     2Story            6           7       1914
## 1098       Norm   TwnhsE     1Story            8           5       1986
## 1099       Norm     1Fam     1.5Fin            4           6       1936
## 1100       Norm     1Fam     1Story            7           5       1978
```

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## 1101       Norm     1Fam     1Story           2           5      1920
## 1102       Norm     1Fam     1Story           5           5      1971
## 1103       Norm     1Fam     1Story           5           7      1960
## 1104       Norm     1Fam     1Story           6           6      1959
## 1105       Norm   TwnhsE     2Story           5           5      1970
## 1106       Norm     1Fam     2Story           8           5      1994
## 1107       Norm     1Fam     1Story           7           5      1990
## 1108       Norm     1Fam     2Story           7           5      2006
## 1109       Norm     1Fam     2Story           6           5      2000
## 1110       Norm     1Fam     1Story           8           5      2004
## 1111       Norm     1Fam     2Story           6           5      1995
## 1112       Norm     1Fam     2Story           7           6      1976
## 1113       Norm     1Fam     1Story           5           7      1957
## 1114       Norm     1Fam     1Story           5           7      1953
## 1115       Norm     1Fam     1Story           5           7      1954
## 1116       Norm     1Fam     1Story           8           5      2007
## 1117       Norm     1Fam       SLvl           8           5      2002
## 1118       Norm     1Fam     1Story           5           7      1967
## 1119       Norm     1Fam       SLvl           5           6      1958
## 1120       Norm     1Fam     1Story           5           5      1959
## 1121       Norm     1Fam     1Story           6           5      1920
## 1122       Norm     1Fam     1Story           7           5      2005
## 1123       Norm     1Fam     1Story           4           3      1956
## 1124       Norm     1Fam     1Story           5           9      1947
## 1125       Norm     1Fam       SLvl           7           5      1992
## 1126       Norm     1Fam     1Story           4           5      1955
## 1127       Norm   TwnhsE     1Story           7           5      2007
## 1128       Norm     1Fam     1Story           7           5      2004
## 1129       Norm     1Fam     2Story           7           5      2004
## 1130       Norm   Duplex     SFoyer           5           5      1980
## 1131       Norm     1Fam     1.5Fin           4           3      1928
## 1132       Norm     1Fam     1Story           5           5      1991
## 1133       Norm     1Fam     2Story           6           4      1880
## 1134       Norm     1Fam     2Story           8           5      1995
## 1135       Norm     1Fam     2Story           6           5      1997
## 1136       Norm     1Fam     1Story           6           5      1926
## 1137       Norm     1Fam     1.5Fin           6           5      1950
## 1138       Norm     1Fam     1.5Fin           5           8      1875
## 1139       Norm     1Fam     1Story           6           5      1977
## 1140       Norm     1Fam     1Story           5           5      1920
## 1141       Norm     1Fam     1Story           5           7      1951
## 1142       Norm     1Fam     2Story           5           7      1976
## 1143       Norm     1Fam     2Story           8           5      2006
## 1144       Norm     1Fam     1Story           5           3      1959
## 1145       Norm   2fmCon     1.5Fin           4           4      1941
## 1146       Norm     1Fam     1.5Fin           5           6      1928
## 1147       Norm     1Fam     1Story           6           5      1985
## 1148       Norm     1Fam     2Story           7           7      1941
## 1149       Norm     1Fam     1.5Fin           7           7      1926
##      YearRemodAdd RoofStyle RoofMatl Exterior1st Exterior2nd MasVnrType
## 1            2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 2            1976     Gable  CompShg     MetalSd     MetalSd       None
## 3            2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 4            1970     Gable  CompShg     Wd Sdng     Wd Shng       None
```

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## 5            2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 6            1995     Gable  CompShg     VinylSd     VinylSd       None
## 7            2005     Gable  CompShg     VinylSd     VinylSd      Stone
## 8            1973     Gable  CompShg     HdBoard     HdBoard      Stone
## 9            1950     Gable  CompShg     BrkFace     Wd Shng       None
## 10           1950     Gable  CompShg     MetalSd     MetalSd       None
## 11           1965       Hip  CompShg     HdBoard     HdBoard       None
## 12           2006       Hip  CompShg     WdShing     Wd Shng      Stone
## 13           1962       Hip  CompShg     HdBoard     Plywood       None
## 14           2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 15           1960       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 16           2001     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 17           1970     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 18           1967     Gable  CompShg     MetalSd     MetalSd       None
## 19           2004     Gable  CompShg     VinylSd     VinylSd       None
## 20           1965       Hip  CompShg     BrkFace     Plywood       None
## 21           2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 22           1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 23           2002       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 24           1976     Gable  CompShg     CemntBd     CmentBd       None
## 25           2001     Gable  CompShg     Plywood     Plywood       None
## 26           2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 27           2000     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 28           2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 29           1997     Gable  CompShg     MetalSd     MetalSd       None
## 30           1950     Gable  CompShg     MetalSd     MetalSd       None
## 31           1950   Gambrel  CompShg     BrkFace     BrkFace       None
## 32           2006     Gable  CompShg     HdBoard     HdBoard       None
## 33           2007     Gable  CompShg     VinylSd     VinylSd       None
## 34           1959       Hip  CompShg     BrkFace     BrkFace       None
## 35           2005       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 36           2005     Gable  CompShg     VinylSd     VinylSd      Stone
## 37           1995     Gable  CompShg     VinylSd     VinylSd       None
## 38           1990       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 39           2007     Gable  CompShg     VinylSd     VinylSd       None
## 40           1955     Gable  CompShg     AsbShng     Plywood       None
## 41           1965     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 42           1959     Gable  CompShg     VinylSd     VinylSd       None
## 43           1983     Gable  CompShg     HdBoard     HdBoard       None
## 44           1980       Hip  CompShg     VinylSd     VinylSd       None
## 45           1959     Gable  CompShg     BrkFace     Wd Sdng       None
## 46           2005       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 47           2003     Gable  CompShg     VinylSd     VinylSd       None
## 48           2006     Gable  CompShg     VinylSd     VinylSd       None
## 49           2008     Gable  CompShg     MetalSd     MetalSd       None
## 50           1966     Gable  CompShg     HdBoard     HdBoard       None
## 51           1997     Gable  CompShg     VinylSd     VinylSd       None
## 52           1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 53           1963     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 54           1987     Gable  WdShngl     WdShing     Wd Shng       None
## 55           1955     Gable  CompShg     MetalSd     MetalSd       None
## 56           1964     Gable  CompShg     HdBoard     Plywood    BrkFace
## 57           2000     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 58           2004     Gable  CompShg     VinylSd     VinylSd       None
```

```
## 59          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 60          1972     Gable  CompShg     HdBoard     HdBoard       None
## 61          2004     Gable  CompShg     VinylSd     VinylSd       None
## 62          1996     Gable  CompShg     MetalSd     MetalSd       None
## 63          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 64          1950     Gable  CompShg      Stucco      Stucco       None
## 65          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 66          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 67          1989     Gable  CompShg     Plywood     Plywood    BrkFace
## 68          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 69          1950     Gable  CompShg     MetalSd     MetalSd       None
## 70          1953     Gable  CompShg     BrkFace     AsbShng       None
## 71          1973     Gable  CompShg     Plywood     Plywood    BrkFace
## 72          2006     Gable  CompShg     HdBoard     Plywood       None
## 73          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 74          2003     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 75          1950   Gambrel  CompShg     VinylSd     VinylSd       None
## 76          1973     Gable  CompShg     CemntBd     CmentBd       None
## 77          1956     Gable  CompShg     VinylSd     VinylSd       None
## 78          2001     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 79          1968       Hip  CompShg     HdBoard     HdBoard       None
## 80          1981     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 81          1968     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 82          1998       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 83          2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 84          1960     Gable  CompShg     MetalSd     MetalSd     BrkCmn
## 85          1996     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 86          1992       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 87          2005     Gable  CompShg     VinylSd     VinylSd       None
## 88          2009     Gable  CompShg     VinylSd     VinylSd      Stone
## 89          1982       Hip  CompShg     Plywood     Plywood       None
## 90          1995     Gable  CompShg     VinylSd     VinylSd       None
## 91          1950     Gable  CompShg     BrkFace     Wd Sdng       None
## 92          1961       Hip  CompShg     HdBoard     HdBoard     BrkCmn
## 93          2006     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 94          1998       Hip  CompShg     MetalSd     MetalSd       None
## 95          1997     Gable  CompShg     VinylSd     VinylSd       None
## 96          1993     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 97          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 98          1965       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 99          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 100         1959     Gable  CompShg     Plywood     Plywood       None
## 101         2001     Gable  CompShg     Plywood     Plywood    BrkFace
## 102         1985     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 103         1979     Gable  CompShg     HdBoard     HdBoard       None
## 104         2009     Gable  CompShg     VinylSd     VinylSd       None
## 105         1950     Gable  CompShg      Stucco      Stucco    BrkFace
## 106         2004       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 107         1995   Mansard  CompShg     VinylSd     VinylSd       None
## 108         1950     Gable  CompShg     VinylSd     VinylSd       None
## 109         2005     Gable  CompShg     CemntBd     CmentBd       None
## 110         1977       Hip  CompShg     Plywood     Plywood    BrkFace
## 111         1972     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 112         2000     Gable  CompShg     VinylSd     VinylSd       None
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## 113          2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 114          1953       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 115          2002   Gambrel  CompShg     Wd Sdng     Wd Sdng       None
## 116          1999     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 117          1962     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 118          2007     Gable  CompShg     VinylSd     VinylSd       None
## 119          1990       Hip  CompShg     Plywood     Plywood       None
## 120          2006     Gable  CompShg     VinylSd     VinylSd       None
## 121          1969      Flat    Metal     Plywood     Plywood       None
## 122          1950     Gable  CompShg     AsbShng     AsbShng       None
## 123          1958       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 124          1993     Gable  CompShg     Plywood     Plywood       None
## 125          1998     Gable  CompShg     HdBoard     HdBoard       None
## 126          1982     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 127          1976     Gable  CompShg     Plywood     Plywood       None
## 128          1950     Gable  CompShg     WdShing     Wd Sdng       None
## 129          1966     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 130          1991     Gable  CompShg     Plywood     Plywood    BrkFace
## 131          1966     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 132          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 133          2002     Gable  CompShg     MetalSd     MetalSd       None
## 134          2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 135          1993     Gable  CompShg     Plywood     Plywood       None
## 136          1970       Hip  CompShg     Plywood     Plywood    BrkFace
## 137          1967     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 138          1989     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 139          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 140          1997     Gable  CompShg     VinylSd     VinylSd       None
## 141          1971     Gable  CompShg     HdBoard     HdBoard       None
## 142          2005     Gable  CompShg     VinylSd     VinylSd       None
## 143          1952     Gable  CompShg     BrkFace     Wd Sdng       None
## 144          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 145          1963     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 146          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 147          1993     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 148          2001     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 149          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 150          1950     Gable  CompShg     MetalSd     MetalSd       None
## 151          1975     Gable  CompShg     HdBoard     HdBoard       None
## 152          2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 153          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 154          1975      Flat  CompShg     BrkFace     Plywood       None
## 155          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 156          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 157          1950       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 158          2010     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 159          2005     Gable  CompShg     VinylSd     VinylSd       None
## 160          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 161          1984     Gable  CompShg     Plywood     Plywood       None
## 162          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 163          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 164          1956     Gable  CompShg     MetalSd     MetalSd       None
## 165          2004     Gable  CompShg     MetalSd     MetalSd       None
## 166          1999     Gable  CompShg     Wd Sdng     Wd Sdng       None
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## 167          1993       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 168          2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 169          2004     Gable  CompShg     VinylSd     VinylSd       None
## 170          1981       Hip  WdShake     Plywood     Plywood    BrkFace
## 171          1950     Gable  CompShg     MetalSd     MetalSd       None
## 172          1960       Hip  CompShg     BrkFace     Plywood      Stone
## 173          1987     Gable  CompShg     HdBoard     HdBoard       None
## 174          1961     Gable  CompShg     WdShing     Wd Shng     BrkCmn
## 175          1986     Gable  CompShg     VinylSd     Plywood      Stone
## 176          2001     Gable  CompShg     WdShing     Wd Shng       None
## 177          1989     Gable  CompShg     Plywood     Plywood    BrkFace
## 178          1958     Gable  CompShg     MetalSd     MetalSd       None
## 179          2009       Hip  CompShg     VinylSd     VinylSd      Stone
## 180          2006     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 181          2000     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 182          1950     Gable  CompShg      Stucco      Stucco       None
## 183          2006       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 184          2003     Gable  CompShg     VinylSd     VinylSd       None
## 185          1991     Gable  CompShg     AsbShng     Plywood       None
## 186          1993     Gable  WdShngl     Wd Sdng     Wd Sdng       None
## 187          1991     Gable  CompShg     HdBoard     HdBoard       None
## 188          1987     Gable  CompShg     HdBoard     HdBoard       None
## 189          1979     Gable  CompShg     Plywood     Plywood      Stone
## 190          2002     Gable  CompShg     CemntBd     CmentBd       None
## 191          1994       Hip  CompShg     BrkFace     BrkFace       None
## 192          2004     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 193          1999     Gable  CompShg     VinylSd     VinylSd       None
## 194          2004     Gable  CompShg     VinylSd     VinylSd      Stone
## 195          1972       Hip  CompShg     HdBoard     HdBoard       None
## 196          1976     Gable  CompShg     Plywood     Brk Cmn       None
## 197          2007       Hip  CompShg     CemntBd     CmentBd      Stone
## 198          1990     Gable  CompShg      Stucco      Stucco       None
## 199          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 200          2005       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 201          2004     Gable  CompShg     VinylSd     VinylSd       None
## 202          1977     Gable  CompShg     Plywood     Plywood       None
## 203          1950     Gable  CompShg     MetalSd     MetalSd       None
## 204          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 205          1950     Gable  CompShg     AsbShng     AsbShng       None
## 206          1990     Gable  CompShg     HdBoard     HdBoard       None
## 207          1962     Gable  CompShg     HdBoard     HdBoard       None
## 208          1960     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 209          1989     Gable  CompShg     Plywood     Plywood    BrkFace
## 210          1964       Hip  CompShg     HdBoard     HdBoard      Stone
## 211          1950     Gable  CompShg      Stucco      Stucco       None
## 212          2009     Gable  CompShg     VinylSd     VinylSd       None
## 213          2009     Gable  CompShg     VinylSd     VinylSd       None
## 214          1995     Gable  CompShg     VinylSd     VinylSd       None
## 215          1977     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 216          1996     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 217          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 218          1950     Gable  CompShg     MetalSd     MetalSd       None
## 219          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 220          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
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## 221          2006     Gable  CompShg     VinylSd     VinylSd       None
## 222          2002     Gable  CompShg     VinylSd     VinylSd       None
## 223          1975     Gable  CompShg     VinylSd     VinylSd       None
## 224          1971     Gable  CompShg     HdBoard     HdBoard       None
## 225          2003       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 226          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 227          1995     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 228          1970     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 229          1967     Gable  CompShg     HdBoard     HdBoard       None
## 230          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 231          1959       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 232          1996     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 233          1972     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 234          1976     Gable  CompShg     HdBoard     HdBoard       None
## 235          2002     Gable  CompShg     VinylSd     VinylSd       <NA>
## 236          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 237          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 238          2003     Gable  CompShg     HdBoard     HdBoard       None
## 239          2007       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 240          1950     Gable  CompShg     VinylSd     VinylSd       None
## 241          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 242          1997     Gable  CompShg     VinylSd     VinylSd       None
## 243          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 244          1980     Gable  CompShg     Plywood     Plywood       None
## 245          2002     Gable  CompShg     VinylSd     VinylSd       None
## 246          1988     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 247          1950     Gable  CompShg     AsbShng     AsbShng       None
## 248          1954       Hip  CompShg     Wd Sdng     BrkFace       None
## 249          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 250          2006     Gable  CompShg     Wd Sdng     HdBoard     BrkCmn
## 251          1966     Gable  CompShg     Wd Sdng     Plywood       None
## 252          2007       Hip  CompShg     VinylSd     VinylSd      Stone
## 253          2004     Gable  CompShg     VinylSd     VinylSd       None
## 254          1991       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 255          1957     Gable  CompShg     MetalSd     MetalSd       None
## 256          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 257          2003     Gable  CompShg     VinylSd     VinylSd       None
## 258          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 259          2001     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 260          1956     Gable  CompShg     BrkFace     BrkFace       None
## 261          1962     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 262          2007     Gable  CompShg     CemntBd     CmentBd      Stone
## 263          1995     Gable  CompShg     HdBoard     Plywood    BrkFace
## 264          2001     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 265          2004     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 266          1981     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 267          1997     Gable  CompShg     VinylSd     VinylSd       None
## 268          1997     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 269          1955     Gable  CompShg     VinylSd     VinylSd       None
## 270          1976       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 271          2006     Gable  CompShg     VinylSd     VinylSd       None
## 272          2005      Flat  Membran     Plywood     Plywood       None
## 273          2007     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 274          1988       Hip  CompShg     Wd Sdng     Wd Sdng     BrkCmn
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## 275          1982     Gable  CompShg     HdBoard     ImStucc       None
## 276          2007     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 277          2003     Gable  CompShg     VinylSd     VinylSd       None
## 278          1951     Gable  CompShg     VinylSd     VinylSd       None
## 279          2007     Gable  CompShg     CemntBd     CmentBd    BrkFace
## 280          1977       Hip  CompShg     Plywood     Plywood    BrkFace
## 281          1989     Gable  CompShg     Plywood     Plywood    BrkFace
## 282          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 283          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 284          2009     Gable  CompShg     VinylSd     VinylSd      Stone
## 285          1992     Gable  CompShg     Plywood     ImStucc       None
## 286          2007     Gable  CompShg     MetalSd     MetalSd       None
## 287          1981     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 288          1971     Gable  CompShg     HdBoard     HdBoard       None
## 289          1967     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 290          2003     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 291          2006     Gable  CompShg     VinylSd     VinylSd       None
## 292          2000     Gable  CompShg     VinylSd     VinylSd       None
## 293          2008     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 294          1994     Gable  CompShg     Plywood     Plywood    BrkFace
## 295          1953       Hip  CompShg     HdBoard     HdBoard      Stone
## 296          1984     Gable  CompShg     HdBoard     HdBoard       None
## 297          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 298          1998       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 299          1968   Mansard  CompShg     HdBoard     AsphShn    BrkFace
## 300          2004     Gable  CompShg     HdBoard     HdBoard       None
## 301          1953       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 302          1999     Gable  CompShg     VinylSd     VinylSd       None
## 303          2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 304          1972     Gable  CompShg     VinylSd     VinylSd       None
## 305          2002     Gable  CompShg     CemntBd     CmentBd       None
## 306          2005     Gable  CompShg     CemntBd     CmentBd      Stone
## 307          1991     Gable  CompShg     HdBoard     Plywood    BrkFace
## 308          1950     Gable  CompShg     MetalSd     MetalSd       None
## 309          1950     Gable  CompShg     VinylSd     VinylSd       None
## 310          2004     Gable  CompShg     VinylSd     VinylSd       None
## 311          1994     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 312          2002     Gable  CompShg     VinylSd     VinylSd       None
## 313          1950     Gable  CompShg     MetalSd     MetalSd       None
## 314          1965       Hip  CompShg     BrkFace     BrkFace       None
## 315          1990     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 316          2005     Gable  CompShg     VinylSd     VinylSd       None
## 317          1980     Gable  CompShg     CemntBd     CmentBd    BrkFace
## 318          2006     Gable  CompShg     VinylSd     VinylSd       None
## 319          1993     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 320          1980     Gable  CompShg     Plywood     Plywood    BrkFace
## 321          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 322          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 323          1987     Gable  CompShg     Plywood     Plywood    BrkFace
## 324          2005     Gable  CompShg     VinylSd     VinylSd       None
## 325          2007   Mansard  WdShake     Wd Sdng     Wd Sdng    BrkFace
## 326          1950     Gable  CompShg     MetalSd     MetalSd       None
## 327          1993     Gable  CompShg     BrkFace     BrkFace       None
## 328          1960       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
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## 329          1994     Gable  CompShg     Wd Sdng     Wd Shng       None
## 330          1950     Gable  CompShg     Wd Sdng     Wd Shng       None
## 331          1964     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 332          1992     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 333          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 334          2004     Gable  CompShg     VinylSd     VinylSd      Stone
## 335          1998     Gable  CompShg     VinylSd     VinylSd       None
## 336          1965     Gable  CompShg     Plywood     Plywood       None
## 337          2006       Hip  CompShg     VinylSd     VinylSd      Stone
## 338          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 339          1998     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 340          1998       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 341          2002     Gable  CompShg     VinylSd     VinylSd       None
## 342          1950     Gable  CompShg     Wd Sdng     AsbShng       None
## 343          1950     Gable  CompShg      Stucco      Stucco    BrkFace
## 344          2005       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 345          1976     Gable  CompShg     CemntBd     CmentBd       None
## 346          1950     Gable  CompShg     MetalSd     MetalSd       None
## 347          1998       Hip  CompShg     MetalSd     MetalSd       None
## 348          1960     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 349          2004     Gable  CompShg     VinylSd     Wd Shng      Stone
## 350          2006       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 351          2007       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 352          1986     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 353          1950     Gable  CompShg     VinylSd     VinylSd       None
## 354          2003     Gable  CompShg     VinylSd     VinylSd       None
## 355          2000     Gable  CompShg     Wd Sdng     MetalSd       None
## 356          1995     Gable  CompShg     VinylSd     VinylSd       None
## 357          1992     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 358          1976     Gable  CompShg     CemntBd     CmentBd       None
## 359          1958       Hip  CompShg     Wd Sdng     ImStucc    BrkFace
## 360          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 361          1978     Gable  CompShg     VinylSd     VinylSd       None
## 362          1982     Gable  CompShg     MetalSd     MetalSd       None
## 363          2003     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 364          2007     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 365          1976     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 366          1997       Hip  CompShg     VinylSd     VinylSd       None
## 367          1963     Gable  CompShg     Plywood     Plywood    BrkFace
## 368          1962     Gable  Tar&Grv     Plywood     Plywood    BrkFace
## 369          1954     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 370          2006     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 371          2000     Gable  CompShg     VinylSd     VinylSd       None
## 372          1959     Gable  CompShg     WdShing     Plywood       None
## 373          1984     Gable  CompShg     Plywood     Plywood       None
## 374          1953     Gable  CompShg     MetalSd     MetalSd       None
## 375          2004     Gable  CompShg     VinylSd     VinylSd       None
## 376          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 377          1996     Gable  CompShg     VinylSd     VinylSd       None
## 378          2005     Gable  CompShg     CemntBd     CmentBd       None
## 379          2010       Hip  CompShg     VinylSd     VinylSd      Stone
## 380          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 381          1950     Gable  CompShg     BrkFace     Wd Sdng       None
## 382          2006     Gable  CompShg     VinylSd     VinylSd       None
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## 383          2006     Gable  CompShg     VinylSd     VinylSd       None
## 384          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 385          1992     Gable  CompShg     HdBoard     HdBoard       None
## 386          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 387          1996   Gambrel  CompShg     Wd Sdng     VinylSd       None
## 388          1976       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 389          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 390          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 391          1950     Gable  CompShg     MetalSd     MetalSd       None
## 392          2002     Gable  CompShg     VinylSd     VinylSd       None
## 393          1959     Gable  CompShg     MetalSd     MetalSd       None
## 394          1950     Gable  CompShg     WdShing     Wd Shng       None
## 395          1950     Gable  CompShg     MetalSd     MetalSd       None
## 396          1956     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 397          1972       Hip  CompShg     MetalSd     MetalSd       None
## 398          1962     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 399          1950     Gable  CompShg     MetalSd     MetalSd       None
## 400          2007     Gable  CompShg     CemntBd     CmentBd      Stone
## 401          1996     Gable  CompShg     BrkFace     BrkFace       None
## 402          2005     Gable  CompShg     VinylSd     VinylSd       None
## 403          1997     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 404          1998       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 405          1996     Gable  CompShg     MetalSd     MetalSd       None
## 406          1993     Gable  CompShg     Plywood     Plywood       None
## 407          1950     Gable  CompShg     MetalSd     MetalSd       None
## 408          1976     Gable  CompShg     Wd Sdng     Plywood       None
## 409          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 410          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 411          1958     Gable  CompShg     BrkComm     Brk Cmn       None
## 412          1955       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 413          2009     Gable  CompShg     MetalSd     MetalSd      Stone
## 414          1950     Gable  CompShg     WdShing     Wd Shng       None
## 415          1993     Gable  CompShg     VinylSd     VinylSd       None
## 416          2007     Gable  CompShg     VinylSd     VinylSd       None
## 417          1978       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 418          1950       Hip  CompShg     Wd Sdng      Stucco       None
## 419          1950     Gable  CompShg     MetalSd     MetalSd       None
## 420          1968     Gable  CompShg     VinylSd     VinylSd       None
## 421          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 422          2000     Gable  CompShg     CemntBd     CmentBd      Stone
## 423          1954       Hip  CompShg     HdBoard     HdBoard       None
## 424          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 425          1956     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 426          1992     Gable  CompShg     HdBoard     HdBoard       None
## 427          1989     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 428          1957       Hip  CompShg     MetalSd     MetalSd       None
## 429          2007     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 430          1988     Gable  CompShg     HdBoard     HdBoard       None
## 431          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 432          1998     Gable  CompShg     MetalSd     MetalSd       None
## 433          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 434          1998     Gable  CompShg     VinylSd     VinylSd       None
## 435          1972     Gable  CompShg     CemntBd     CmentBd       None
## 436          1996     Gable  CompShg     VinylSd     VinylSd       None
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## 437          1950     Gable  CompShg      Stucco      Stucco       None
## 438          2004     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 439          2002     Gable  CompShg     WdShing      Stucco       None
## 440          2000     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 441          2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 442          1955     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 443          1992     Gable  CompShg     MetalSd     MetalSd       None
## 444          2007     Gable  CompShg     WdShing     Wd Shng    BrkFace
## 445          1995     Gable  CompShg     VinylSd     VinylSd       None
## 446          1956       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 447          2002     Gable  CompShg     BrkFace     Plywood       None
## 448          1999     Gable  CompShg     VinylSd     VinylSd       None
## 449          1950     Gable  CompShg     MetalSd     MetalSd       None
## 450          2002     Gable  CompShg     MetalSd     MetalSd       None
## 451          2005       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 452          1975     Gable  WdShngl     Plywood     Plywood       None
## 453          1997       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 454          2008     Gable  CompShg     VinylSd     VinylSd       None
## 455          1976     Gable  CompShg     Plywood     Plywood       None
## 456          1973       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 457          1950     Gable  CompShg     AsbShng     AsbShng       None
## 458          1994      Flat  Tar&Grv     Plywood     Plywood       None
## 459          1996       Hip  CompShg      Stucco     Wd Shng       None
## 460          1950     Gable  CompShg     MetalSd     MetalSd     BrkCmn
## 461          2009     Gable  CompShg     VinylSd     VinylSd      Stone
## 462          2007     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 463          1965     Gable  CompShg     MetalSd     MetalSd       None
## 464          1995       Hip  CompShg      Stucco      Stucco       None
## 465          1978     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 466          2004       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 467          1970      Flat  Tar&Grv     Plywood     Plywood       None
## 468          1995     Gable  CompShg     MetalSd     MetalSd      Stone
## 469          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 470          1993     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 471          1985     Gable  CompShg     HdBoard     HdBoard       None
## 472          1977   Mansard  WdShake     WdShing     Plywood       None
## 473          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 474          2007     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 475          2000     Gable  CompShg     CemntBd     CmentBd       None
## 476          1963       Hip  CompShg     HdBoard     HdBoard       None
## 477          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 478          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 479          2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 480          2000       Hip  CompShg      Stucco      Stucco     BrkCmn
## 481          2005       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 482          2004       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 483          2005     Gable  CompShg      Stucco      Stucco       None
## 484          1998       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 485          2001     Gable  CompShg     HdBoard     Plywood       None
## 486          2007     Gable  CompShg     MetalSd     MetalSd       None
## 487          1965       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 488          1971     Gable  CompShg     Plywood     Plywood       None
## 489          1970     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 490          2002     Gable  CompShg     CemntBd     CmentBd       None
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## 491          1976     Gable  CompShg     CemntBd     CmentBd       None
## 492          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 493          2006     Gable  CompShg     VinylSd     VinylSd       None
## 494          1960     Gable  CompShg     BrkFace     Wd Sdng       None
## 495          1996     Gable  CompShg     MetalSd     MetalSd       None
## 496          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 497          1993       Hip  CompShg     BrkFace     BrkFace       None
## 498          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 499          2004       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 500          1985     Gable  CompShg     MetalSd     MetalSd       None
## 501          1973     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 502          2005     Gable  CompShg     VinylSd     VinylSd       None
## 503          1965       Hip  CompShg     MetalSd     MetalSd       None
## 504          1997     Gable  CompShg     BrkFace     Wd Sdng       None
## 505          1974     Gable  CompShg     Plywood     Brk Cmn       None
## 506          1952       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 507          1994     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 508          2009     Gable  CompShg     VinylSd     VinylSd       None
## 509          2005   Gambrel  CompShg     MetalSd     MetalSd       None
## 510          1959     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 511          2000       Hip  CompShg     Wd Sdng     Wd Sdng     BrkCmn
## 512          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 513          1958     Gable  CompShg     VinylSd     VinylSd       None
## 514          1983     Gable  CompShg     VinylSd     VinylSd       None
## 515          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 516          2009       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 517          1972     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 518          1997     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 519          1998     Gable  CompShg     VinylSd     VinylSd       None
## 520          2004   Gambrel  CompShg     MetalSd     MetalSd       None
## 521          2000     Gable  CompShg     MetalSd     MetalSd       None
## 522          1957     Gable  CompShg     VinylSd     VinylSd       None
## 523          1950     Gable  CompShg     CemntBd     CmentBd       None
## 524          2008       Hip  CompShg     CemntBd     CmentBd      Stone
## 525          1997     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 526          2005     Gable  CompShg     VinylSd     VinylSd       None
## 527          2000       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 528          2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 529          2002     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 530          1975       Hip  CompShg     Wd Sdng       Stone       <NA>
## 531          1989     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 532          1999     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 533          2007     Gable  CompShg     VinylSd     VinylSd       None
## 534          1950     Gable  CompShg     VinylSd     VinylSd       None
## 535          2004     Gable  CompShg     VinylSd     VinylSd       None
## 536          1991     Gable  CompShg     MetalSd     MetalSd       None
## 537          1999     Gable  CompShg     VinylSd     VinylSd       None
## 538          1972       Hip  CompShg     MetalSd     MetalSd       None
## 539          1968       Hip  CompShg     Plywood     Plywood    BrkFace
## 540          2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 541          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 542          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 543          1999       Hip  CompShg     VinylSd     VinylSd       None
## 544          1998     Gable  CompShg     MetalSd     MetalSd    BrkFace
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## 545          2006     Gable  CompShg     VinylSd     VinylSd       None
## 546          1988     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 547          1950     Gable  CompShg     BrkFace     Wd Sdng       None
## 548          1970     Gable  CompShg     VinylSd     VinylSd       None
## 549          1995     Gable  CompShg     MetalSd     MetalSd       None
## 550          2004     Gable  CompShg     VinylSd     VinylSd       None
## 551          1977     Gable  CompShg     Plywood     Plywood       None
## 552          1957       Hip  CompShg     BrkFace     BrkFace       None
## 553          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 554          2003     Gable  CompShg     VinylSd     VinylSd       None
## 555          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 556          1950     Gable  CompShg     MetalSd     MetalSd       None
## 557          1957     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 558          1950     Gable  CompShg     MetalSd     MetalSd       None
## 559          1997     Gable  CompShg     HdBoard     HdBoard       None
## 560          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 561          1996       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 562          1975     Gable  CompShg     HdBoard     HdBoard       None
## 563          1969     Gable  CompShg     WdShing     Wd Shng       None
## 564          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 565          2000     Gable  CompShg     HdBoard     HdBoard       None
## 566          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 567          2007       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 568          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 569          2009     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 570          1979     Gable  CompShg     MetalSd     MetalSd       None
## 571          1965     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 572          1959     Gable  CompShg     WdShing     Wd Shng    BrkFace
## 573          2009     Gable  CompShg     VinylSd     VinylSd       None
## 574          2000     Gable  CompShg     VinylSd     VinylSd       None
## 575          2005   Gambrel  CompShg     MetalSd     AsphShn    BrkFace
## 576          1950     Gable  CompShg     MetalSd     MetalSd       None
## 577          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 578          1966     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 579          2007     Gable  CompShg     VinylSd     VinylSd       None
## 580          1954     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 581          1987     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 582          2009       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 583          1990     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 584          2000     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 585          1995     Gable  CompShg     AsbShng     AsbShng       None
## 586          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 587          2000     Gable  CompShg      Stucco     Wd Shng       None
## 588          1982       Hip  CompShg     HdBoard     HdBoard       None
## 589          2003      Flat  Tar&Grv     Wd Sdng     Wd Sdng       None
## 590          1960     Gable  CompShg     VinylSd     VinylSd       None
## 591          2004     Gable  CompShg     VinylSd     VinylSd       None
## 592          2008     Gable  CompShg     CemntBd     CmentBd      Stone
## 593          2003     Gable  CompShg     HdBoard     HdBoard       None
## 594          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 595          1975       Hip  CompShg     HdBoard     HdBoard       None
## 596          2006     Gable  CompShg     VinylSd       Other    BrkFace
## 597          1993     Gable  CompShg     VinylSd     VinylSd       None
## 598          2007     Gable  CompShg     VinylSd     VinylSd    BrkFace
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## 599          1977     Gable  CompShg     Plywood     Plywood    BrkFace
## 600          1980     Gable  CompShg     MetalSd     MetalSd       None
## 601          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 602          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 603          1992     Gable  CompShg     HdBoard     HdBoard       None
## 604          2005     Gable  CompShg     MetalSd     MetalSd       None
## 605          2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 606          1990     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 607          1996     Gable  CompShg     VinylSd     VinylSd       None
## 608          2002     Gable  CompShg     MetalSd     MetalSd       None
## 609          1998     Gable  CompShg     BrkFace     Wd Sdng       None
## 610          1961     Gable  CompShg     VinylSd     VinylSd     BrkCmn
## 611          2000       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 612          1978     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 613          2001     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 614          2007     Gable  CompShg     VinylSd     VinylSd       None
## 615          1972     Gable  CompShg     CemntBd     CmentBd       None
## 616          1963     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 617          2003     Gable  CompShg     VinylSd     VinylSd       None
## 618          1954     Gable  CompShg     MetalSd     MetalSd       None
## 619          2007       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 620          2003       Hip  CompShg     VinylSd     VinylSd      Stone
## 621          1950     Gable  CompShg      Stucco      Stucco       None
## 622          1997     Gable  CompShg     HdBoard     HdBoard       None
## 623          1977     Gable  CompShg     Plywood     Plywood    BrkFace
## 624          2000     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 625          1972     Gable  CompShg     VinylSd     VinylSd       None
## 626          1962       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 627          1978       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 628          1972     Gable  CompShg     AsbShng     AsbShng    BrkFace
## 629          1969     Gable  CompShg     Plywood     Plywood    BrkFace
## 630          1964     Gable  WdShngl     Plywood     Wd Sdng    BrkFace
## 631          1991     Gable  CompShg     VinylSd     VinylSd       None
## 632          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 633          1977       Hip  CompShg     Plywood     Plywood    BrkFace
## 634          2005     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 635          1980     Gable  CompShg     Plywood     Plywood       None
## 636          1995       Hip  CompShg     VinylSd     VinylSd       None
## 637          1950     Gable  CompShg     AsbShng     AsbShng       None
## 638          1954     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 639          1950     Gable  CompShg     MetalSd     Wd Sdng       None
## 640          2006       Hip  CompShg     VinylSd     VinylSd       None
## 641          2004       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 642          2001     Gable  CompShg     VinylSd     VinylSd       None
## 643          1995     Gable  CompShg     Plywood     Wd Sdng       None
## 644          1969   Mansard  CompShg     WdShing     HdBoard    BrkFace
## 645          2009     Gable  CompShg     CemntBd     CmentBd      Stone
## 646          1971       Hip  CompShg     Plywood     Plywood       None
## 647          1950       Hip  CompShg     MetalSd     MetalSd       None
## 648          1953       Hip  CompShg     Wd Sdng     Wd Sdng      Stone
## 649          1966     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 650          1970     Gable  CompShg     CemntBd     CmentBd       None
## 651          2007     Gable  CompShg     CemntBd     CmentBd       <NA>
## 652          1950     Gable  CompShg     MetalSd     MetalSd       None
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## 653          1996     Gable  CompShg     VinylSd     VinylSd       None
## 654          1995     Gable  CompShg     MetalSd     MetalSd       None
## 655          1995       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 656          1971     Gable  CompShg     HdBoard     ImStucc    BrkFace
## 657          2006     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 658          2000     Gable  CompShg      Stucco     Wd Shng       None
## 659          1950     Gable  CompShg     VinylSd     VinylSd       None
## 660          1999       Hip  CompShg     MetalSd     MetalSd       None
## 661          1976     Gable  CompShg     Plywood     Plywood    BrkFace
## 662          2005       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 663          1968       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 664          1972     Gable  CompShg     Plywood     Plywood       None
## 665          2006     Gable  CompShg     VinylSd     VinylSd       None
## 666          2000     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 667          1979      Flat  Tar&Grv     Plywood     Plywood     BrkCmn
## 668          1998     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 669          1987     Gable  CompShg     CemntBd     Wd Sdng       None
## 670          1950     Gable  CompShg     MetalSd     MetalSd       None
## 671          2005     Gable  CompShg     VinylSd     VinylSd       None
## 672          1950   Gambrel  CompShg     Wd Sdng     Wd Sdng       None
## 673          1977     Gable  CompShg     Plywood     Plywood       None
## 674          2004       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 675          1965     Gable  CompShg     HdBoard     HdBoard       None
## 676          1978     Gable  CompShg     Plywood     Brk Cmn       None
## 677          1950     Gable  CompShg     AsbShng      Stucco       None
## 678          2006     Gable  CompShg     VinylSd     VinylSd       None
## 679          2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 680          1961       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 681          1980     Gable  CompShg     Plywood     Plywood       None
## 682          2000     Gable  CompShg     VinylSd      Stucco       None
## 683          1997     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 684          2002       Hip  CompShg     VinylSd     VinylSd      Stone
## 685          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 686          1984     Gable  CompShg     HdBoard     HdBoard       None
## 687          2007     Gable  CompShg     VinylSd     VinylSd       None
## 688          2004     Gable  CompShg     MetalSd     MetalSd       None
## 689          2007     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 690          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 691          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 692          1995     Gable  WdShngl     HdBoard     HdBoard    BrkFace
## 693          1990       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 694          1968     Gable  CompShg     MetalSd     MetalSd       None
## 695          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 696          1987     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 697          1950     Gable  CompShg     Wd Sdng     Wd Shng       None
## 698          1952     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 699          2009     Gable  CompShg     MetalSd     MetalSd       None
## 700          2004     Gable  CompShg     MetalSd     MetalSd       None
## 701          2002       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 702          1969       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 703          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 704          1996     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 705          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 706          1950       Hip  CompShg     VinylSd     Wd Shng       None
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## 707          2002     Gable  CompShg     Plywood     Plywood      Stone
## 708          2006       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 709          2007       Hip  CompShg     VinylSd     VinylSd       None
## 710          1966     Gable  CompShg     HdBoard     HdBoard     BrkCmn
## 711          2003     Gable  CompShg     VinylSd     VinylSd       None
## 712          1950     Gable  CompShg     MetalSd     MetalSd       None
## 713          1989     Gable  CompShg     HdBoard     HdBoard       None
## 714          1970     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 715          2005     Gable  CompShg     HdBoard     Plywood    BrkFace
## 716          1974       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 717          1998     Gable  CompShg     Wd Sdng     VinylSd       None
## 718          2000     Gable  CompShg     HdBoard     HdBoard       None
## 719          1994       Hip  CompShg     Wd Sdng     ImStucc    BrkFace
## 720          1969     Gable  CompShg     HdBoard     Plywood       None
## 721          1985     Gable  CompShg     HdBoard     HdBoard       None
## 722          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 723          1970     Gable  CompShg     MetalSd     MetalSd       None
## 724          1972     Gable  CompShg     MetalSd     MetalSd       None
## 725          2008       Hip  CompShg     CemntBd     CmentBd      Stone
## 726          1970     Gable  CompShg     HdBoard     Plywood       None
## 727          2007       Hip  CompShg     Wd Sdng     Plywood    BrkFace
## 728          2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 729          1958     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 730          1950     Gable  CompShg     MetalSd     MetalSd       None
## 731          1996     Gable  CompShg     CemntBd     CmentBd       None
## 732          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 733          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 734          1983       Hip  CompShg     HdBoard     HdBoard       None
## 735          1968     Gable  CompShg     Plywood     Plywood       None
## 736          1970     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 737          1950     Gable  CompShg      Stucco       Stone       None
## 738          2005     Gable  CompShg     VinylSd     VinylSd       None
## 739          1988     Gable  CompShg     Plywood     Plywood       None
## 740          2004     Gable  CompShg     VinylSd     VinylSd       None
## 741          2002     Gable  CompShg     Wd Sdng     Wd Shng       None
## 742          1996       Hip  CompShg     HdBoard     HdBoard       None
## 743          2001     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 744          1999     Gable  CompShg     HdBoard     HdBoard       None
## 745          1993     Gable  CompShg     HdBoard     HdBoard       None
## 746          1996       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 747          2000     Gable  CompShg     VinylSd     VinylSd       None
## 748          2003   Mansard  CompShg      Stucco      Stucco       None
## 749          1996       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 750          1950     Gable  CompShg     WdShing     Wd Shng       None
## 751          2004     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 752          2003     Gable  CompShg     VinylSd     VinylSd       None
## 753          1997     Gable  CompShg     VinylSd     VinylSd       None
## 754          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 755          2005     Gable  CompShg     Plywood     Plywood       None
## 756          1999     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 757          2007     Gable  CompShg     VinylSd     VinylSd       None
## 758          1978       Hip  CompShg     HdBoard     HdBoard     BrkCmn
## 759          1999     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 760          1995     Gable  CompShg     VinylSd     VinylSd    BrkFace
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## 761          1959       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 762          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 763          2009     Gable  CompShg     VinylSd     VinylSd       None
## 764          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 765          1996       Hip  CompShg     BrkFace     BrkFace       None
## 766          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 767          1988     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 768          1985     Gable  CompShg     VinylSd     VinylSd       None
## 769          2005       Hip  CompShg     VinylSd     VinylSd       None
## 770          2003       Hip  CompShg     CemntBd     Wd Shng    BrkFace
## 771          1982       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 772          1951     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 773          1976     Gable  CompShg     Plywood     Plywood       None
## 774          1958     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 775          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 776          1998       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 777          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 778          1974       Hip  CompShg     HdBoard     Plywood       None
## 779          1977     Gable  CompShg     Plywood     Plywood    BrkFace
## 780          1977     Gable  CompShg     Plywood     ImStucc    BrkFace
## 781          1996     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 782          1992     Gable  CompShg     VinylSd     VinylSd       None
## 783          2002     Gable  CompShg     VinylSd     VinylSd       None
## 784          1978     Gable  CompShg     Plywood     Plywood    BrkFace
## 785          2001     Gable  CompShg     Wd Sdng     Wd Shng       None
## 786          1967     Gable  CompShg     BrkFace     Wd Sdng       None
## 787          1950     Gable  CompShg     MetalSd     MetalSd       None
## 788          2004     Gable  CompShg     VinylSd     VinylSd       None
## 789          2000     Gable  CompShg     MetalSd     MetalSd       None
## 790          2007     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 791          2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 792          1976     Gable  CompShg     HdBoard     HdBoard       None
## 793          1997     Gable  CompShg     MetalSd     MetalSd       None
## 794          2007     Gable  CompShg     CemntBd     CmentBd      Stone
## 795          1996     Gable  CompShg     MetalSd     MetalSd       None
## 796          1981     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 797          1977     Gable  CompShg     Plywood     Plywood    BrkFace
## 798          1953     Gable  CompShg     VinylSd     VinylSd       None
## 799          2009       Hip  CompShg     VinylSd     VinylSd      Stone
## 800          1950     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 801          1997     Gable  CompShg     VinylSd     VinylSd       None
## 802          1990     Gable  CompShg     MetalSd     MetalSd       None
## 803          2005     Gable  CompShg     WdShing     Wd Shng       None
## 804          2009       Hip  CompShg     VinylSd     VinylSd      Stone
## 805          1954     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 806          2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 807          1967     Gable  CompShg     VinylSd     VinylSd       None
## 808          2004     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 809          1966     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 810          1965       Hip  CompShg     AsbShng     AsbShng       None
## 811          1999       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 812          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 813          1952       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 814          1958     Gable  CompShg     MetalSd     MetalSd    BrkFace
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## 815          1950     Gable  CompShg      Stucco      Stucco       None
## 816          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 817          1954     Gable  CompShg     BrkFace     BrkFace       None
## 818          2002       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 819          1971     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 820          2010     Gable  CompShg     VinylSd     VinylSd      Stone
## 821          2003     Gable  CompShg     VinylSd     VinylSd       None
## 822          1953     Gable  CompShg     MetalSd     MetalSd       None
## 823          2003     Gable  CompShg     VinylSd     VinylSd       None
## 824          1950     Gable  CompShg     VinylSd     VinylSd       None
## 825          2006     Gable  CompShg     VinylSd     VinylSd       None
## 826          2008       Hip  CompShg     CemntBd     CmentBd    BrkFace
## 827          1950     Gable  CompShg     MetalSd     MetalSd       None
## 828          2001     Gable  CompShg     VinylSd     VinylSd       None
## 829          1967      Flat  Tar&Grv     Plywood     Plywood       None
## 830          2005     Gable  CompShg     MetalSd     MetalSd       None
## 831          1957     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 832          2005     Gable  CompShg     MetalSd     MetalSd       None
## 833          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 834          1964     Gable  CompShg     HdBoard     Plywood    BrkFace
## 835          1961     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 836          1995     Gable  CompShg     VinylSd     HdBoard       None
## 837          1973     Gable  CompShg     VinylSd     VinylSd       None
## 838          1973     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 839          2006     Gable  CompShg     VinylSd     VinylSd       None
## 840          1995     Gable  CompShg     MetalSd     MetalSd       None
## 841          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 842          2002     Gable  CompShg     MetalSd     MetalSd       None
## 843          1966     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 844          1961     Gable  CompShg     BrkFace     BrkFace       None
## 845          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 846          1981     Gable  CompShg     HdBoard     HdBoard       None
## 847          1993     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 848          1972     Gable  CompShg     HdBoard     Plywood       None
## 849          1997     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 850          1994       Hip  CompShg     Plywood     Plywood    BrkFace
## 851          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 852          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 853          1950     Gable  CompShg     MetalSd     MetalSd       None
## 854          1964     Gable  CompShg     MetalSd     HdBoard    BrkFace
## 855          1974       Hip  CompShg     Wd Sdng     Plywood       None
## 856          2010     Gable  CompShg     HdBoard     HdBoard       None
## 857          1978     Gable  CompShg     Plywood     HdBoard       None
## 858          1995     Gable  CompShg     HdBoard     HdBoard       None
## 859          1976     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 860          1984     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 861          1998     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 862          1965       Hip  CompShg     Plywood     HdBoard       None
## 863          1985       Hip  CompShg     HdBoard     Plywood       None
## 864          1959       Hip  CompShg     BrkFace     Plywood       None
## 865          2008     Gable  CompShg     VinylSd     VinylSd       None
## 866          1970     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 867          2007     Gable  CompShg     VinylSd     VinylSd      Stone
## 868          1961     Gable  CompShg     VinylSd     VinylSd       None
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## 869          1950     Gable  CompShg     Plywood     Plywood       None
## 870          1994     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 871          1962       Hip  CompShg     MetalSd     MetalSd       None
## 872          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 873          1996     Gable  CompShg     WdShing     Wd Shng       None
## 874          1950     Gable  CompShg     HdBoard     HdBoard       None
## 875          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 876          2007     Gable  CompShg     CemntBd     CmentBd       None
## 877          1963     Gable  CompShg     HdBoard     Plywood       None
## 878          2005       Hip  CompShg     VinylSd     VinylSd      Stone
## 879          1995     Gable  CompShg     HdBoard     HdBoard       None
## 880          2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 881          2006     Gable  CompShg     VinylSd     VinylSd       None
## 882          1991     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 883          1993     Gable  CompShg     VinylSd     VinylSd       None
## 884          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 885          1967     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 886          2000     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 887          2005     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 888          1955     Gable  CompShg     MetalSd     MetalSd       None
## 889          1970      Flat  Tar&Grv     Wd Sdng     Wd Sdng       None
## 890          1953       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 891          2006     Gable  CompShg     MetalSd     MetalSd       None
## 892          1978       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 893          2003       Hip  CompShg     HdBoard     HdBoard       None
## 894          1954     Gable  CompShg     Wd Sdng     Plywood       None
## 895          1979     Gable  CompShg     Plywood     Plywood       None
## 896          1963       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 897          1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 898          1979     Gable  CompShg     Plywood     Plywood       None
## 899          2010       Hip  CompShg     VinylSd     VinylSd      Stone
## 900          1994     Gable  CompShg     HdBoard     Plywood       None
## 901          1971     Gable  CompShg     HdBoard     HdBoard       None
## 902          2000       Hip  CompShg     MetalSd     MetalSd       None
## 903          2003     Gable  CompShg     VinylSd     VinylSd       None
## 904          2006       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 905          1967     Gable  CompShg     HdBoard     Wd Sdng    BrkFace
## 906          1954     Gable  CompShg     HdBoard     HdBoard      Stone
## 907          2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 908          1987     Gable  CompShg     BrkFace     BrkFace       None
## 909          1983     Gable  CompShg     HdBoard     HdBoard       None
## 910          2005     Gable  CompShg     VinylSd     VinylSd       None
## 911          1960     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 912          1989     Gable  CompShg     HdBoard     Plywood       None
## 913          1950     Gable  CompShg     MetalSd     MetalSd       None
## 914          1950     Gable  CompShg     MetalSd     MetalSd       None
## 915          2009     Gable  CompShg     VinylSd     VinylSd      Stone
## 916          1970     Gable  CompShg     CemntBd     CmentBd    BrkFace
## 917          1950     Gable  CompShg     AsbShng     AsbShng       None
## 918          1956     Gable  CompShg     VinylSd     VinylSd       None
## 919          1991     Gable  CompShg     HdBoard     HdBoard       None
## 920          2002       Hip  CompShg     MetalSd     MetalSd       None
## 921          1994     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 922          2003     Gable  CompShg     MetalSd     MetalSd       None
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## 923          2006     Gable  CompShg     VinylSd     VinylSd       None
## 924          1994     Gable  CompShg     Plywood     Plywood       None
## 925          1980     Gable  CompShg     Plywood     Plywood    BrkFace
## 926          1977     Gable  CompShg     VinylSd     VinylSd       None
## 927          2004       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 928          1968     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 929          2001       Hip  CompShg     VinylSd     VinylSd       None
## 930          1997     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 931          2007     Gable  CompShg     VinylSd     VinylSd       None
## 932          1965     Gable  CompShg     VinylSd     VinylSd       None
## 933          2006       Hip  CompShg     VinylSd     ImStucc      Stone
## 934          2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 935          2007      Flat  Tar&Grv     Wd Sdng     Wd Sdng       None
## 936          1953     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 937          2003     Gable  CompShg     VinylSd     VinylSd       <NA>
## 938          2005     Gable  CompShg     VinylSd     VinylSd       None
## 939          2006     Gable  CompShg     VinylSd     VinylSd       None
## 940          1950     Gable  CompShg     MetalSd     MetalSd       None
## 941          1976     Gable  CompShg     Plywood     Plywood       None
## 942          1999     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 943          1977     Gable  CompShg     MetalSd     MetalSd       None
## 944          1967     Gable  CompShg     HdBoard     Plywood       None
## 945          1958     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 946          1996       Hip  CompShg     VinylSd     VinylSd       None
## 947          1959     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 948          2003       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 949          2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 950          2006       Hip  CompShg     Plywood     Plywood       None
## 951          2002     Gable  CompShg     VinylSd     VinylSd       None
## 952          1965     Gable  CompShg     VinylSd     VinylSd       None
## 953          2003     Gable  CompShg     WdShing     HdBoard       None
## 954          1969     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 955          1975      Flat  Tar&Grv     WdShing     Plywood    BrkFace
## 956          1950     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 957          1980     Gable  CompShg     MetalSd     MetalSd       None
## 958          1962       Hip  CompShg     MetalSd     MetalSd       None
## 959          2003     Gable  CompShg     VinylSd     VinylSd       None
## 960          1999       Hip  CompShg     MetalSd     MetalSd       None
## 961          2008     Gable  CompShg     Wd Sdng     Plywood       None
## 962          1995     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 963          1976     Gable  CompShg     Plywood     Brk Cmn       None
## 964          2007     Gable  CompShg     VinylSd     VinylSd       None
## 965          2003     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 966          2007     Gable  CompShg     VinylSd     VinylSd       None
## 967          1950     Gable  CompShg     MetalSd     MetalSd       None
## 968          1955       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 969          1950     Gable  CompShg     VinylSd     VinylSd       None
## 970          1958       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 971          1950     Gable  CompShg     AsbShng     AsbShng       None
## 972          2004     Gable  CompShg     VinylSd     Wd Shng      Stone
## 973          1979     Gable  CompShg     Plywood     Plywood       None
## 974          2008     Gable  CompShg     CemntBd     CmentBd       <NA>
## 975          1993     Gable  CompShg     HdBoard     HdBoard       None
## 976          2000     Gable  CompShg     MetalSd     MetalSd       None
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## 977          1958     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 978          2007     Gable  CompShg     VinylSd     VinylSd       <NA>
## 979          1954     Gable  CompShg     MetalSd     MetalSd       None
## 980          1963     Gable  CompShg     VinylSd     VinylSd       None
## 981          2007     Gable  CompShg     CemntBd     CmentBd      Stone
## 982          1999       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 983          2007     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 984          2002     Gable  CompShg     CemntBd     CmentBd       None
## 985          1977     Gable  CompShg     Plywood     Plywood       None
## 986          1950     Gable  CompShg     MetalSd     MetalSd       None
## 987          2003       Hip  CompShg     VinylSd     VinylSd       None
## 988          2010       Hip  CompShg     VinylSd     VinylSd      Stone
## 989          1976     Gable  CompShg     Plywood     Plywood    BrkFace
## 990          2006     Gable  CompShg     VinylSd     VinylSd       None
## 991          1998     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 992          1986     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 993          1993       Hip  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 994          2006     Gable  CompShg     VinylSd     VinylSd       None
## 995          2007       Hip  CompShg     CemntBd     CmentBd      Stone
## 996          1950     Gable  CompShg     MetalSd     MetalSd       None
## 997          1961       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 998          1970       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 999          1950       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 1000         2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 1001         1952      Flat  Tar&Grv     BrkComm     Brk Cmn       None
## 1002         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1003         2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1004         1976     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1005         2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1006         1977     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1007         1970     Gable  CompShg     Plywood     Plywood       None
## 1008         1970     Gable  CompShg     CemntBd     CmentBd       None
## 1009         2005       Hip  CompShg     VinylSd     VinylSd      Stone
## 1010         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1011         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1012         1965       Hip  CompShg     AsphShn     AsphShn       None
## 1013         1996       Hip  CompShg     Wd Sdng     Wd Sdng       None
## 1014         2006       Hip  CompShg     MetalSd      Stucco       None
## 1015         1950     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 1016         2001     Gable  CompShg     VinylSd     VinylSd       None
## 1017         1996       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 1018         1984     Gable  CompShg     HdBoard     HdBoard       None
## 1019         1992     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1020         2005     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1021         2005     Gable  CompShg     VinylSd     VinylSd       None
## 1022         2006     Gable  CompShg     VinylSd     VinylSd      Stone
## 1023         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1024         2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1025         1976       Hip  WdShake       Stone     HdBoard       None
## 1026         1972     Gable  CompShg     VinylSd     VinylSd       None
## 1027         1960     Gable  CompShg     MetalSd     HdBoard    BrkFace
## 1028         2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 1029         1950     Gable  CompShg     WdShing     Wd Shng       None
## 1030         1972     Gable  CompShg     HdBoard     HdBoard    BrkFace
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## 1031        1995     Gable  CompShg     VinylSd     VinylSd       None
## 1032        1970     Gable  CompShg     Wd Sdng     Plywood       None
## 1033        1993     Gable  CompShg     MetalSd     MetalSd       None
## 1034        2002     Gable  CompShg     VinylSd     VinylSd      Stone
## 1035        1950     Gable  CompShg     MetalSd     MetalSd       None
## 1036        1957     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1037        2008       Hip  CompShg     VinylSd     VinylSd      Stone
## 1038        2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1039        2008     Gable  CompShg     CemntBd     CmentBd       None
## 1040        1970     Gable  CompShg     CemntBd     CmentBd       None
## 1041        2000     Gable  CompShg     Wd Sdng     Wd Sdng     BrkCmn
## 1042        2000       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 1043        2005     Gable  CompShg     VinylSd     VinylSd      Stone
## 1044        1990       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 1045        1981       Hip  WdShngl     BrkFace     BrkFace       None
## 1046        1955       Hip  CompShg     BrkFace     Wd Sdng       None
## 1047        2006       Hip  CompShg     CemntBd     CmentBd      Stone
## 1048        1995     Gable  CompShg     VinylSd     VinylSd       None
## 1049        2006       Hip  CompShg     HdBoard     HdBoard    BrkFace
## 1050        2006     Gable  CompShg     MetalSd     MetalSd       None
## 1051        2007     Gable  CompShg     VinylSd     VinylSd       None
## 1052        2007     Gable  CompShg     VinylSd     VinylSd       None
## 1053        1978     Gable  CompShg     VinylSd     VinylSd     BrkCmn
## 1054        2002       Hip  CompShg     HdBoard     HdBoard      Stone
## 1055        2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1056        1976     Gable  CompShg     Plywood     Plywood    BrkFace
## 1057        2005     Gable  CompShg     VinylSd     VinylSd      Stone
## 1058        1994     Gable  CompShg     HdBoard     HdBoard       None
## 1059        2008     Gable  CompShg     VinylSd     VinylSd      Stone
## 1060        1950     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 1061        2001     Gable  CompShg     CemntBd     CmentBd       None
## 1062        1950     Gable  CompShg     MetalSd     MetalSd       None
## 1063        1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1064        1980     Gable  CompShg     MetalSd     MetalSd       None
## 1065        1966     Gable  CompShg     Plywood     Plywood    BrkFace
## 1066        1997     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1067        1994     Gable  CompShg     VinylSd     VinylSd       None
## 1068        1964     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1069        1973     Gable  CompShg     CemntBd     CmentBd       None
## 1070        2003     Gable  CompShg     MetalSd     MetalSd       None
## 1071        1956       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 1072        1968     Gable  CompShg     MetalSd     MetalSd       None
## 1073        1950     Gable  CompShg     MetalSd     MetalSd       None
## 1074        1977       Hip  CompShg     HdBoard     Plywood    BrkFace
## 1075        2006     Gable  CompShg     VinylSd     VinylSd       None
## 1076        1984     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1077        1989     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1078        1969     Gable  CompShg     VinylSd     Plywood       None
## 1079        2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1080        1994     Gable  CompShg     VinylSd     VinylSd       None
## 1081        2004     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1082        1963     Gable  CompShg     HdBoard     HdBoard       None
## 1083        2002     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1084        1964       Hip  CompShg     HdBoard     HdBoard    BrkFace
```

```
## 1085         1996     Gable  CompShg     HdBoard     HdBoard       None
## 1086         1992     Gable  CompShg     HdBoard     HdBoard       None
## 1087         1973     Gable  CompShg     CemntBd     CmentBd       None
## 1088         2006     Gable  CompShg     VinylSd     VinylSd       None
## 1089         2004     Gable  CompShg     VinylSd     VinylSd      Stone
## 1090         2005     Gable  CompShg     MetalSd     MetalSd       None
## 1091         1950     Gable  CompShg     BrkFace     BrkFace       None
## 1092         2000     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 1093         1950     Gable  CompShg     MetalSd     MetalSd       None
## 1094         1998       Hip  CompShg     MetalSd     MetalSd    BrkFace
## 1095         2000     Gable  CompShg     MetalSd     MetalSd       None
## 1096         2006     Gable  CompShg     VinylSd     VinylSd       None
## 1097         2006     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1098         1986     Gable  CompShg     HdBoard     HdBoard       None
## 1099         1950     Gable  CompShg     MetalSd     MetalSd       None
## 1100         1978     Gable  CompShg     Plywood     Plywood    BrkFace
## 1101         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1102         1971     Gable  CompShg     HdBoard     MetalSd       None
## 1103         2002     Gable  CompShg     Wd Sdng     Wd Sdng    BrkFace
## 1104         1959       Hip  CompShg     BrkFace     BrkFace       None
## 1105         1970     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1106         1995     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1107         1991       Hip  CompShg     HdBoard     HdBoard       None
## 1108         2006     Gable  CompShg     VinylSd     VinylSd       None
## 1109         2000     Gable  CompShg     VinylSd     VinylSd       None
## 1110         2005     Gable  CompShg     MetalSd     MetalSd      Stone
## 1111         1996     Gable  CompShg     HdBoard     HdBoard       None
## 1112         1976       Hip  CompShg     Plywood     Plywood    BrkFace
## 1113         1957     Gable  CompShg     WdShing     Wd Shng       None
## 1114         2006     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1115         2000     Gable  CompShg     MetalSd     MetalSd       None
## 1116         2007       Hip  CompShg     VinylSd     VinylSd      Stone
## 1117         2002       Hip  CompShg     VinylSd     VinylSd       None
## 1118         2003     Gable  CompShg     VinylSd     VinylSd       None
## 1119         1987     Gable  CompShg     MetalSd     MetalSd       None
## 1120         1959     Gable  CompShg     BrkFace     Wd Sdng       None
## 1121         1950     Gable  CompShg     BrkFace     BrkFace       None
## 1122         2006     Gable  CompShg     VinylSd     VinylSd    BrkFace
## 1123         1956     Gable  CompShg     AsbShng     AsbShng       None
## 1124         2008       Hip  CompShg     VinylSd     VinylSd       None
## 1125         1992     Gable  CompShg     HdBoard     HdBoard    BrkFace
## 1126         1955     Gable  CompShg     Plywood     Plywood       None
## 1127         2007       Hip  CompShg     VinylSd     VinylSd    BrkFace
## 1128         2004       Hip  CompShg     VinylSd     VinylSd       None
## 1129         2005     Gable  CompShg     VinylSd     VinylSd       None
## 1130         1980     Gable  CompShg     MetalSd     MetalSd    BrkFace
## 1131         1950     Gable  CompShg     WdShing     Plywood       None
## 1132         1992     Gable  CompShg     HdBoard     HdBoard       None
## 1133         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1134         1995     Gable  CompShg     VinylSd     VinylSd       None
## 1135         1997     Gable  CompShg     VinylSd     VinylSd       None
## 1136         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
## 1137         1950     Gable  CompShg     VinylSd     VinylSd       None
## 1138         1996     Gable  CompShg     VinylSd     VinylSd       None
```

```
## 1139         1977     Gable  CompShg     Plywood     ImStucc       None
## 1140         1950     Gable  CompShg      Stucco      Stucco       None
## 1141         1951     Gable  CompShg     HdBoard     HdBoard       None
## 1142         1976     Gable  CompShg     Plywood     Plywood    BrkFace
## 1143         2007       Hip  CompShg     VinylSd     VinylSd      Stone
## 1144         1959     Gable  CompShg     Wd Sdng     Plywood       None
## 1145         1950     Gable  CompShg     MetalSd     MetalSd       None
## 1146         1950     Gable  CompShg     MetalSd     MetalSd       None
## 1147         1985     Gable  CompShg     Wd Sdng     Wd Shng    BrkFace
## 1148         1950     Gable  CompShg     MetalSd     MetalSd       None
## 1149         1950     Gable  CompShg     Wd Sdng     Wd Sdng       None
##      MasVnrArea ExterQual ExterCond Foundation BsmtQual BsmtCond
## 1           196        Gd        TA      PConc       Gd       TA
## 2             0        TA        TA     CBlock       Gd       TA
## 3           162        Gd        TA      PConc       Gd       TA
## 4             0        TA        TA     BrkTil       TA       Gd
## 5           350        Gd        TA      PConc       Gd       TA
## 6             0        TA        TA       Wood       Gd       TA
## 7           186        Gd        TA      PConc       Ex       TA
## 8           240        TA        TA     CBlock       Gd       TA
## 9             0        TA        TA     BrkTil       TA       TA
## 10            0        TA        TA     BrkTil       TA       TA
## 11            0        TA        TA     CBlock       TA       TA
## 12          286        Ex        TA      PConc       Ex       TA
## 13            0        TA        TA     CBlock       TA       TA
## 14          306        Gd        TA      PConc       Gd       TA
## 15          212        TA        TA     CBlock       TA       TA
## 16            0        TA        TA     BrkTil       TA       TA
## 17          180        TA        TA     CBlock       TA       TA
## 18            0        TA        TA       Slab     <NA>     <NA>
## 19            0        TA        TA      PConc       TA       TA
## 20            0        TA        TA     CBlock       TA       TA
## 21          380        Gd        TA      PConc       Ex       TA
## 22            0        TA        TA      PConc       TA       TA
## 23          281        Gd        TA      PConc       Gd       TA
## 24            0        TA        TA      PConc       Gd       TA
## 25            0        TA        Gd     CBlock       TA       TA
## 26          640        Gd        TA      PConc       Gd       TA
## 27            0        TA        TA     CBlock       TA       TA
## 28          200        Gd        TA      PConc       Ex       TA
## 29            0        TA        TA     CBlock       TA       TA
## 30            0        TA        TA     BrkTil       TA       TA
## 31            0        TA        Fa     BrkTil       TA       TA
## 32            0        TA        TA     CBlock       TA       TA
## 33            0        Gd        TA      PConc       Ex       TA
## 34            0        TA        TA     CBlock       TA       TA
## 35          246        Ex        TA      PConc       Ex       TA
## 36          132        Gd        TA      PConc       Ex       TA
## 37            0        TA        TA      PConc       Gd       TA
## 38          650        TA        TA     CBlock       TA       TA
## 39            0        TA        Gd     CBlock       TA       TA
## 40            0        TA        TA      PConc     <NA>     <NA>
## 41          101        TA        TA     CBlock       TA       TA
## 42            0        TA        Gd     CBlock       TA       TA
```

```
## 43            0        TA        TA     CBlock       Gd       TA
## 44            0        TA        TA     CBlock       Gd       TA
## 45            0        TA        TA     CBlock       TA       TA
## 46          412        Ex        TA      PConc       Ex       TA
## 47            0        Gd        TA      PConc       Ex       TA
## 48            0        Gd        TA      PConc       Gd       TA
## 49            0        TA        TA     BrkTil       TA       TA
## 50            0        TA        TA     CBlock       TA       TA
## 51            0        TA        TA      PConc       Gd       TA
## 52            0        TA        TA      PConc       TA       TA
## 53            0        Fa        TA     CBlock       Gd       TA
## 54            0        Gd        TA     CBlock       Ex       TA
## 55            0        TA        TA     CBlock       TA       TA
## 56          272        TA        TA     CBlock       TA       TA
## 57          456        Gd        TA      PConc       Gd       TA
## 58            0        Gd        TA      PConc       Gd       TA
## 59         1031        Ex        TA      PConc       Ex       TA
## 60            0        TA        TA     CBlock       TA       TA
## 61            0        TA        TA      PConc       Gd       TA
## 62            0        TA        TA     BrkTil       TA       Fa
## 63          178        Gd        TA      PConc       Gd       Gd
## 64            0        TA        TA     BrkTil       TA       TA
## 65          573        TA        TA      PConc       Gd       TA
## 66          344        Gd        TA      PConc       Ex       TA
## 67          287        TA        TA     CBlock       Gd       TA
## 68          167        Gd        TA      PConc       Gd       TA
## 69            0        TA        Gd     CBlock       TA       TA
## 70            0        Gd        TA     CBlock       TA       TA
## 71         1115        TA        Gd     CBlock       Gd       TA
## 72            0        TA        TA     CBlock       TA       TA
## 73           40        TA        TA      PConc       Gd       TA
## 74          104        TA        TA     CBlock       TA       TA
## 75            0        Gd        Gd     CBlock       Fa       TA
## 76            0        TA        TA     CBlock       Gd       TA
## 77            0        TA        TA     CBlock       TA       TA
## 78            0        TA        TA     CBlock       TA       TA
## 79            0        TA        TA     CBlock       TA       TA
## 80            0        TA        TA      PConc       TA       TA
## 81          576        TA        Gd     CBlock       Gd       TA
## 82          443        TA        Gd      PConc       Ex       Gd
## 83          468        TA        TA      PConc       Gd       TA
## 84           66        TA        TA     CBlock       TA       TA
## 85           22        TA        TA      PConc       Gd       TA
## 86          284        Gd        TA     CBlock       Gd       TA
## 87            0        Gd        TA      PConc       Gd       TA
## 88           76        Gd        TA      PConc       Gd       TA
## 89            0        Fa        Fa     CBlock       TA       Fa
## 90            0        TA        TA      PConc       Gd       TA
## 91            0        TA        TA       Slab     <NA>     <NA>
## 92          203        TA        TA     CBlock       TA       TA
## 93            0        TA        Gd     BrkTil       Gd       TA
## 94            0        TA        TA     BrkTil       TA       Fa
## 95            0        TA        Gd      PConc       Gd       TA
## 96           68        Ex        Gd      PConc       Gd       Gd
```

```
## 97          183        Gd        TA      PConc       Gd       TA
## 98           48        TA        TA     CBlock       TA       TA
## 99            0        TA        TA     BrkTil       TA       TA
## 100           0        TA        TA     CBlock       TA       TA
## 101          28        TA        TA      PConc       TA       TA
## 102         336        Gd        TA     CBlock       Gd       TA
## 103           0        TA        Fa       Slab     <NA>     <NA>
## 104           0        TA        TA      PConc       Gd       TA
## 105         600        TA        Fa      PConc       TA       TA
## 106         768        Gd        TA      PConc       Ex       TA
## 107           0        TA        TA     BrkTil       Fa       TA
## 108           0        TA        TA     CBlock       TA       TA
## 109           0        TA        TA     CBlock       TA       TA
## 110         480        TA        TA     CBlock       Gd       TA
## 111           0        TA        TA     CBlock       TA       Fa
## 112           0        TA        TA      PConc       Gd       TA
## 113         220        Gd        TA      PConc       Ex       TA
## 114         184        TA        Gd     CBlock       Gd       TA
## 115           0        TA        TA     CBlock       TA       TA
## 116        1129        TA        TA      PConc       Gd       TA
## 117         116        TA        TA     CBlock       TA       TA
## 118           0        TA        TA      PConc       Gd       TA
## 119           0        TA        TA      PConc       Gd       TA
## 120           0        Gd        TA      PConc       Gd       TA
## 121           0        TA        TA     CBlock       TA       TA
## 122           0        TA        TA      PConc       TA       TA
## 123         135        TA        Gd     CBlock       TA       TA
## 124           0        Gd        TA      PConc       Gd       TA
## 125           0        TA        Gd     CBlock       Gd       Fa
## 126           0        TA        Fa     CBlock       TA       TA
## 127           0        TA        TA     CBlock       Gd       TA
## 128           0        TA        Gd     BrkTil       TA       TA
## 129         266        TA        TA     CBlock       TA       TA
## 130          85        TA        TA     CBlock       TA       TA
## 131         309        TA        TA     CBlock       TA       TA
## 132          40        Gd        TA      PConc       Gd       TA
## 133           0        TA        TA     CBlock       TA       TA
## 134         136        Gd        TA      PConc       Ex       TA
## 135           0        TA        TA     CBlock       TA       TA
## 136         288        TA        TA      PConc       TA       TA
## 137         196        TA        TA     CBlock       TA       TA
## 138          70        TA        TA     CBlock       TA       TA
## 139         320        Gd        TA      PConc       Gd       TA
## 140           0        TA        TA      PConc       Gd       TA
## 141           0        TA        TA     CBlock       TA       TA
## 142           0        Gd        TA      PConc       Gd       TA
## 143           0        TA        Fa     CBlock       TA       TA
## 144         183        Gd        TA      PConc       Gd       TA
## 145         336        TA        TA     CBlock       TA       TA
## 146          50        Gd        TA      PConc       Gd       TA
## 147           0        TA        TA     BrkTil       TA       TA
## 148         180        Gd        TA      PConc       Gd       TA
## 149         120        TA        TA      PConc       Gd       TA
## 150           0        TA        TA     BrkTil       Gd       TA
```

```
## 151          0        TA        TA     CBlock       TA       TA
## 152        436        Gd        TA      PConc       Ex       TA
## 153        252        TA        TA     CBlock       TA       TA
## 154          0        TA        TA     CBlock       Gd       TA
## 155          0        TA        TA     BrkTil       TA       TA
## 156          0        TA        TA     BrkTil       TA       TA
## 157          0        TA        TA     CBlock     <NA>     <NA>
## 158         84        Gd        TA      PConc       Ex       TA
## 159          0        Gd        TA      PConc       Gd       TA
## 160        456        Gd        TA      PConc       Gd       TA
## 161          0        TA        TA      PConc       Gd       TA
## 162        664        Gd        TA      PConc       Ex       TA
## 163        226        Gd        TA      PConc       Gd       TA
## 164          0        TA        TA     CBlock       TA       TA
## 165          0        TA        Gd     BrkTil       TA       TA
## 166          0        TA        Gd     BrkTil       TA       TA
## 167          0        Gd        TA     CBlock       TA       TA
## 168        300        Gd        TA      PConc       Ex       TA
## 169          0        Gd        TA      PConc       Gd       TA
## 170        653        Gd        TA     CBlock       Gd       TA
## 171          0        TA        TA     CBlock       TA       TA
## 172        112        TA        TA     CBlock       TA       Gd
## 173          0        Gd        Gd      PConc       Gd       Gd
## 174        491        TA        TA     CBlock       TA       TA
## 175        132        TA        TA     CBlock       Gd       Fa
## 176          0        TA        TA     CBlock       TA       Gd
## 177        268        Gd        TA      PConc       Gd       TA
## 178          0        Gd        Gd     CBlock       TA       TA
## 179        748        Ex        TA      PConc       Ex       TA
## 180          0        Gd        TA     CBlock       TA       TA
## 181        456        Gd        TA      PConc       Gd       TA
## 182          0        TA        TA     BrkTil       Fa       TA
## 183         98        TA        TA      PConc     <NA>     <NA>
## 184          0        TA        TA      PConc       Gd       TA
## 185          0        TA        TA      PConc       Fa       TA
## 186          0        Gd        Gd     BrkTil       TA       TA
## 187          0        TA        TA      PConc       Gd       TA
## 188          0        TA        TA     CBlock       Fa       TA
## 189        275        TA        TA     CBlock       Gd       TA
## 190          0        Gd        TA      PConc       Ex       TA
## 191          0        Gd        TA     CBlock       Gd       Gd
## 192        138        TA        TA     CBlock       TA       TA
## 193          0        Gd        TA      PConc       Gd       TA
## 194         50        Gd        TA      PConc       Gd       TA
## 195          0        TA        TA     CBlock       TA       TA
## 196          0        TA        TA     CBlock       Gd       TA
## 197        205        Ex        TA      PConc       Ex       TA
## 198          0        Gd        Gd      PConc       TA       TA
## 199          0        TA        TA     CBlock       TA       TA
## 200        262        Gd        TA      PConc       Ex       TA
## 201          0        TA        TA      PConc       Gd       TA
## 202          0        TA        TA     CBlock       TA       TA
## 203          0        TA        Gd     BrkTil       Fa       TA
## 204        205        Gd        TA      PConc       Gd       TA
```

```
## 205          0        TA        TA     CBlock       TA       TA
## 206          0        TA        TA      PConc       Gd       TA
## 207          0        TA        Gd     CBlock       TA       TA
## 208          0        TA        TA      PConc       TA       TA
## 209        128        Gd        TA     CBlock       Gd       TA
## 210        260        TA        TA     CBlock       Gd       TA
## 211          0        TA        TA     CBlock       TA       TA
## 212          0        TA        TA      PConc       Gd       TA
## 213          0        TA        TA      PConc       Gd       TA
## 214          0        TA        TA      PConc       Gd       TA
## 215        153        TA        TA     CBlock       Gd       TA
## 216         64        TA        TA     CBlock       TA       TA
## 217        266        Gd        TA      PConc       Gd       TA
## 218          0        TA        TA     CBlock       TA       TA
## 219        312        Gd        Gd     CBlock       TA       TA
## 220         16        Gd        TA      PConc       Gd       TA
## 221          0        Gd        TA      PConc       Gd       TA
## 222          0        Gd        TA      PConc       Gd       TA
## 223          0        TA        TA     CBlock       Gd       TA
## 224          0        TA        TA     CBlock       TA       TA
## 225        922        Ex        TA      PConc       Ex       TA
## 226        142        TA        TA     CBlock       TA       TA
## 227        290        Gd        TA      PConc       Gd       TA
## 228        127        TA        TA     CBlock       TA       TA
## 229          0        TA        TA     CBlock       TA       TA
## 230         16        Gd        TA      PConc       Gd       TA
## 231        220        TA        TA     CBlock       TA       TA
## 232        506        Gd        TA      PConc       Gd       TA
## 233        297        TA        TA     CBlock       TA       TA
## 234          0        TA        TA     CBlock       TA       Gd
## 235         NA        Gd        TA      PConc       Gd       TA
## 236        604        TA        TA     CBlock       TA       TA
## 237         98        Gd        TA      PConc       Gd       TA
## 238          0        Gd        TA      PConc       Gd       TA
## 239        254        Ex        TA      PConc       Ex       TA
## 240          0        TA        TA     CBlock       TA       Fa
## 241         36        Gd        TA      PConc       Gd       TA
## 242          0        TA        Gd     CBlock       TA       TA
## 243          0        TA        TA     BrkTil       TA       TA
## 244          0        TA        TA     CBlock       Gd       TA
## 245          0        Gd        TA      PConc       Gd       TA
## 246        102        TA        TA     CBlock       Gd       TA
## 247          0        TA        Fa      Stone       Fa       TA
## 248          0        TA        TA     CBlock       TA       TA
## 249        101        Gd        TA      PConc       Gd       TA
## 250        472        Gd        TA     CBlock       Gd       TA
## 251          0        TA        Po     CBlock       TA       TA
## 252        481        Gd        TA      PConc       Gd       TA
## 253          0        Gd        TA      PConc       Gd       TA
## 254        108        TA        TA     CBlock       Gd       TA
## 255          0        TA        Gd     CBlock       TA       TA
## 256        302        Gd        TA      PConc       Gd       TA
## 257          0        Gd        TA      PConc       Gd       TA
## 258        180        Gd        TA      PConc       Gd       TA
```

```
## 259         172         Gd         TA       PConc         Gd         TA
## 260           0         TA         TA       PConc       <NA>       <NA>
## 261         399         TA         TA      CBlock         TA         TA
## 262         270         Gd         TA       PConc         Ex         TA
## 263          46         TA         TA      CBlock         Gd         Gd
## 264           0         TA         TA      BrkTil         TA         TA
## 265           0         TA         TA      BrkTil         Fa         TA
## 266         210         TA         Gd      CBlock         Gd         TA
## 267           0         TA         TA       PConc         Gd         TA
## 268           0         TA         TA       PConc         TA         TA
## 269           0         TA         TA      CBlock         TA         TA
## 270         174         TA         Gd      CBlock         TA         Gd
## 271           0         Gd         TA       PConc         Gd         TA
## 272           0         TA         TA      CBlock         Gd         TA
## 273         348         Gd         TA       PConc         Gd         TA
## 274         183         TA         TA      CBlock         TA         TA
## 275           0         TA         TA      CBlock         TA         TA
## 276           0         Gd         Gd      BrkTil         TA         TA
## 277           0         Gd         TA       PConc         Ex         TA
## 278           0         TA         TA      CBlock         TA         TA
## 279         315         Ex         TA       PConc         Ex         TA
## 280         299         TA         TA      CBlock         Gd         TA
## 281         340         Gd         TA      CBlock         Gd         TA
## 282          68         Gd         TA       PConc         Gd         TA
## 283         166         Gd         TA       PConc         Gd         TA
## 284          72         Gd         TA       PConc         Gd         TA
## 285           0         Gd         TA       PConc         Gd         TA
## 286           0         Gd         TA       PConc         Gd         TA
## 287           0         TA         TA      CBlock         TA         TA
## 288           0         TA         TA      CBlock         TA         TA
## 289          31         TA         Gd      CBlock         TA         TA
## 290           0         TA         TA      BrkTil         TA         TA
## 291           0         Gd         TA       PConc         Gd         TA
## 292           0         TA         Fa       PConc         TA         Fa
## 293           0         TA         TA      CBlock         TA         TA
## 294          34         TA         TA      CBlock         TA         TA
## 295         238         TA         TA      CBlock         TA         TA
## 296           0         TA         TA      CBlock         TA         TA
## 297           0         TA         TA      CBlock         TA         TA
## 298        1600         Gd         TA       PConc         Gd         TA
## 299         365         Gd         TA      CBlock         TA         TA
## 300           0         TA         Gd      CBlock         TA         TA
## 301          56         TA         TA      CBlock         TA         TA
## 302           0         Gd         TA       PConc         Gd         TA
## 303         150         Gd         TA       PConc         Gd         TA
## 304           0         TA         TA       PConc         TA         TA
## 305           0         TA         TA      BrkTil         TA         TA
## 306         246         Gd         TA       PConc         Gd         TA
## 307         246         Gd         TA      CBlock         Gd         TA
## 308           0         TA         Fa      CBlock         TA         TA
## 309           0         TA         TA      CBlock         TA         TA
## 310           0         Gd         TA       PConc         Ex         TA
## 311         112         TA         TA       PConc         Gd         TA
## 312           0         TA         Gd      CBlock         TA         TA
```

```
## 313          0        TA        TA     CBlock       Gd       TA
## 314          0        TA        TA     CBlock       Gd       TA
## 315          0        TA        TA     BrkTil       TA       Gd
## 316          0        Gd        TA      PConc       Gd       TA
## 317        278        Gd        TA     CBlock       Gd       TA
## 318          0        Gd        TA      PConc       Gd       TA
## 319        256        Gd        TA      PConc       Gd       TA
## 320        225        TA        TA     CBlock       Gd       TA
## 321        370        TA        TA      PConc       Ex       Gd
## 322        388        Gd        TA      PConc       Ex       TA
## 323        172        Gd        TA     CBlock       TA       TA
## 324          0        TA        Gd     CBlock       TA       TA
## 325        300        Gd        Gd     CBlock       Gd       TA
## 326          0        TA        TA     CBlock       TA       TA
## 327          0        Gd        TA      PConc       Gd       TA
## 328        175        TA        TA     CBlock       TA       TA
## 329          0        TA        TA     BrkTil       TA       TA
## 330          0        TA        TA      PConc       TA       TA
## 331         84        TA        TA     CBlock       TA       TA
## 332          0        TA        TA     CBlock       TA       TA
## 333        296        Gd        TA      PConc       Gd       TA
## 334        146        Gd        TA      PConc       Gd       TA
## 335          0        TA        TA      PConc       Gd       TA
## 336          0        TA        TA     CBlock       TA       TA
## 337        200        Gd        TA      PConc       Ex       TA
## 338        113        Gd        TA      PConc       Gd       TA
## 339          0        Gd        TA     CBlock       Gd       TA
## 340        176        TA        TA     CBlock       TA       Fa
## 341          0        Gd        TA      PConc       Gd       TA
## 342          0        Fa        Fa     CBlock       TA       Fa
## 343        340        TA        TA       Slab     <NA>     <NA>
## 344        616        Ex        TA      PConc       Ex       TA
## 345          0        TA        TA     CBlock       Gd       TA
## 346          0        TA        TA     BrkTil       TA       TA
## 347          0        TA        Gd     CBlock       TA       TA
## 348         30        TA        TA     CBlock       TA       TA
## 349        106        Gd        TA      PConc       Gd       TA
## 350        870        Ex        TA      PConc       Ex       TA
## 351        362        Ex        TA      PConc       Ex       TA
## 352          0        TA        TA      PConc       Gd       TA
## 353          0        TA        TA     CBlock       TA       Fa
## 354          0        TA        Gd     BrkTil       TA       TA
## 355          0        TA        TA     CBlock       TA       TA
## 356          0        Gd        Gd      PConc       Gd       Gd
## 357        106        TA        TA      PConc       Gd       TA
## 358          0        TA        TA      PConc       Gd       TA
## 359        120        TA        TA     CBlock       TA       TA
## 360        530        Gd        TA      PConc       Gd       TA
## 361          0        TA        TA     CBlock       Gd       TA
## 362          0        TA        TA     CBlock       TA       TA
## 363        500        Gd        TA       Slab     <NA>     <NA>
## 364        510        TA        TA     CBlock       TA       TA
## 365        120        TA        TA      PConc       Gd       TA
## 366          0        TA        Gd     CBlock       TA       Fa
```

```
## 367  247  TA  TA  CBlock  Gd  TA
## 368  305  TA  TA  CBlock  Gd  TA
## 369  200  TA  TA   PConc  TA  TA
## 370    0  TA  Gd  CBlock  TA  TA
## 371    0  TA  TA   PConc  Gd  TA
## 372    0  TA  TA  CBlock  <NA>  <NA>
## 373    0  TA  TA  CBlock  Gd  TA
## 374    0  TA  TA   PConc  TA  TA
## 375    0  Gd  TA   PConc  Gd  TA
## 376    0  Fa  Fa  BrkTil  Fa  Po
## 377    0  Gd  TA   PConc  Gd  TA
## 378    0  Gd  TA   PConc  Gd  TA
## 379  350  Gd  TA   PConc  Ex  TA
## 380   16  TA  TA   PConc  Gd  TA
## 381    0  TA  TA  BrkTil  TA  TA
## 382    0  Gd  TA   PConc  Gd  Gd
## 383    0  Gd  TA   PConc  Gd  TA
## 384    0  TA  TA  BrkTil  Fa  Fa
## 385    0  Gd  TA   PConc  Gd  TA
## 386   16  Gd  TA   PConc  Gd  TA
## 387    0  TA  Fa   PConc  TA  TA
## 388  255  TA  TA  CBlock  TA  TA
## 389  125  Gd  TA   PConc  Gd  TA
## 390  272  Ex  TA   PConc  Ex  TA
## 391    0  TA  TA  BrkTil  TA  Gd
## 392    0  TA  TA   PConc  Ex  TA
## 393    0  TA  TA    Slab  <NA>  <NA>
## 394    0  TA  TA  CBlock  TA  TA
## 395    0  TA  TA  CBlock  TA  TA
## 396    0  TA  TA  CBlock  TA  TA
## 397    0  TA  TA  CBlock  TA  TA
## 398  288  TA  TA  CBlock  TA  TA
## 399    0  TA  Fa  BrkTil  Fa  Po
## 400  100  Gd  TA   PConc  Gd  TA
## 401    0  Gd  TA   PConc  Gd  TA
## 402    0  Gd  TA   PConc  Gd  TA
## 403    0  TA  TA   PConc  TA  TA
## 404  650  Gd  TA   PConc  Gd  TA
## 405    0  TA  TA   PConc  Gd  TA
## 406    0  TA  TA  CBlock  TA  TA
## 407    0  TA  TA  BrkTil  TA  TA
## 408    0  TA  TA  BrkTil  Gd  TA
## 409  350  Gd  TA   PConc  Ex  Gd
## 410  100  Gd  TA   PConc  Ex  TA
## 411    0  TA  Fa  CBlock  TA  Fa
## 412    0  TA  TA  CBlock  TA  TA
## 413  432  Ex  TA   PConc  Ex  TA
## 414    0  TA  TA  CBlock  TA  TA
## 415    0  Gd  TA   PConc  Gd  TA
## 416    0  Gd  TA   PConc  Gd  TA
## 417  203  TA  TA  CBlock  TA  TA
## 418    0  TA  TA  BrkTil  Gd  TA
## 419    0  TA  TA  BrkTil  TA  TA
## 420    0  TA  TA  CBlock  TA  TA
```

```
## 421  200  TA  Gd  PConc  Gd  Gd
## 422  126  Gd  TA  CBlock  Gd  TA
## 423  0  TA  TA  CBlock  TA  TA
## 424  473  Gd  TA  PConc  Gd  TA
## 425  74  TA  TA  CBlock  Gd  TA
## 426  0  TA  Gd  CBlock  TA  TA
## 427  145  Gd  TA  PConc  Gd  TA
## 428  0  TA  TA  CBlock  TA  TA
## 429  108  Gd  TA  PConc  Gd  TA
## 430  0  TA  TA  CBlock  Gd  TA
## 431  232  TA  TA  CBlock  TA  TA
## 432  0  TA  TA  BrkTil  TA  TA
## 433  376  TA  TA  CBlock  TA  TA
## 434  0  TA  TA  PConc  Gd  TA
## 435  0  TA  Gd  CBlock  Gd  TA
## 436  0  Gd  TA  PConc  Gd  TA
## 437  0  TA  TA  BrkTil  Fa  TA
## 438  0  Gd  TA  PConc  TA  TA
## 439  0  TA  TA  PConc  TA  TA
## 440  0  TA  TA  BrkTil  TA  Fa
## 441  200  Ex  TA  PConc  Ex  TA
## 442  270  TA  TA  CBlock  TA  TA
## 443  0  TA  TA  PConc  TA  TA
## 444  72  Gd  TA  PConc  Ex  TA
## 445  0  Gd  Gd  PConc  Gd  TA
## 446  0  TA  TA  CBlock  TA  TA
## 447  0  Gd  TA  CBlock  TA  TA
## 448  0  Gd  TA  PConc  Gd  TA
## 449  0  TA  TA  BrkTil  TA  TA
## 450  0  TA  Gd  CBlock  TA  TA
## 451  0  TA  TA  BrkTil  TA  TA
## 452  0  TA  TA  CBlock  Gd  TA
## 453  42  Gd  TA  PConc  Ex  TA
## 454  0  Gd  TA  PConc  Gd  TA
## 455  0  TA  TA  CBlock  TA  TA
## 456  320  TA  TA  CBlock  TA  TA
## 457  0  TA  TA  BrkTil  TA  TA
## 458  0  TA  TA  CBlock  Gd  TA
## 459  0  TA  Gd  PConc  TA  TA
## 460  161  TA  TA  CBlock  TA  TA
## 461  110  Gd  TA  PConc  Gd  TA
## 462  0  Gd  Gd  PConc  Gd  Gd
## 463  0  TA  TA  CBlock  TA  TA
## 464  0  TA  TA  CBlock  TA  TA
## 465  136  TA  TA  CBlock  Gd  TA
## 466  18  Gd  TA  PConc  Gd  TA
## 467  0  TA  Gd  CBlock  TA  Gd
## 468  224  TA  TA  CBlock  TA  TA
## 469  248  Gd  TA  PConc  Gd  TA
## 470  120  Gd  TA  PConc  Gd  TA
## 471  0  Gd  TA  PConc  Gd  TA
## 472  0  TA  TA  CBlock  Gd  TA
## 473  80  TA  TA  PConc  Gd  TA
## 474  304  Gd  TA  PConc  Ex  TA
```

```
## 475          0        Gd        TA      PConc       Gd       TA
## 476          0        TA        TA     CBlock       TA       TA
## 477        215        TA        TA      PConc       Gd       TA
## 478        772        Ex        TA      PConc       Gd       TA
## 479        336        Gd        TA      PConc       Ex       TA
## 480        435        TA        TA     BrkTil       Fa       TA
## 481        378        Gd        TA      PConc       Ex       TA
## 482        562        Gd        TA      PConc       Ex       TA
## 483          0        Gd        TA      PConc       TA       TA
## 484        116        TA        TA      PConc       Ex       TA
## 485          0        TA        Gd     CBlock       TA       TA
## 486          0        Gd        TA     CBlock       TA       TA
## 487        168        TA        TA     CBlock       TA       TA
## 488          0        TA        TA     CBlock       Gd       TA
## 489          0        TA        Fa     CBlock       TA       Fa
## 490          0        TA        Gd     CBlock       Gd       TA
## 491          0        TA        TA      PConc       Gd       TA
## 492          0        TA        TA     CBlock       TA       TA
## 493          0        Gd        TA      PConc       Gd       TA
## 494          0        TA        TA     CBlock       TA       TA
## 495          0        TA        TA     BrkTil       Fa       TA
## 496          0        TA        TA     CBlock       TA       TA
## 497          0        Gd        TA      PConc       Gd       TA
## 498          0        TA        Gd      PConc       TA       TA
## 499         89        TA        TA      PConc       TA       TA
## 500          0        TA        TA     CBlock       TA       TA
## 501        285        TA        TA     CBlock       TA       TA
## 502          0        Gd        TA      PConc       Gd       TA
## 503          0        TA        TA     CBlock       TA       TA
## 504          0        TA        TA     CBlock       TA       TA
## 505          0        TA        TA     CBlock       TA       TA
## 506        360        TA        TA     CBlock       TA       TA
## 507        125        Gd        TA      PConc       Gd       TA
## 508          0        Gd        TA      PConc       Gd       TA
## 509          0        TA        Ex     BrkTil       TA       TA
## 510        132        TA        TA     CBlock       TA       TA
## 511         70        Gd        TA     CBlock       TA       TA
## 512         94        Gd        TA      PConc       Gd       TA
## 513          0        TA        TA     CBlock       TA       TA
## 514          0        TA        Gd      PConc       TA       TA
## 515          0        TA        TA     BrkTil       TA       TA
## 516        305        Ex        TA     CBlock       Ex       TA
## 517        333        TA        TA     CBlock       TA       TA
## 518        921        Gd        TA      PConc       Gd       TA
## 519          0        TA        TA      PConc       Gd       TA
## 520          0        Gd        TA     BrkTil       Gd       TA
## 521          0        TA        TA     BrkTil     <NA>     <NA>
## 522          0        TA        TA     CBlock       TA       TA
## 523          0        TA        Gd     CBlock       TA       TA
## 524        762        Ex        TA      PConc       Ex       TA
## 525        594        Gd        TA      PConc       Gd       TA
## 526          0        Gd        TA      PConc       Gd       TA
## 527          0        TA        TA     CBlock       Gd       TA
## 528        268        Ex        TA      PConc       Ex       TA
```

```
## 529          0        TA        TA     BrkTil       TA       TA
## 530         NA        Gd        TA      PConc       TA       TA
## 531        219        Gd        TA     CBlock       Gd       TA
## 532          0        TA        TA     BrkTil       Fa       Fa
## 533          0        TA        TA       Slab     <NA>     <NA>
## 534          0        Fa        Fa       Slab     <NA>     <NA>
## 535          0        Gd        TA      PConc       Ex       Gd
## 536          0        TA        TA     CBlock       Gd       TA
## 537          0        TA        TA      PConc       Gd       TA
## 538          0        TA        TA     CBlock       TA       TA
## 539        188        TA        TA     CBlock       TA       TA
## 540        479        Gd        TA      PConc       Gd       TA
## 541        584        Ex        TA      PConc       Ex       TA
## 542         72        Gd        TA      PConc       Gd       TA
## 543          0        Gd        TA      PConc       Ex       TA
## 544        182        TA        TA      PConc       Gd       TA
## 545          0        Gd        TA      PConc       Gd       Gd
## 546        178        Gd        Gd      PConc       Gd       Gd
## 547          0        TA        TA     BrkTil       Gd       TA
## 548          0        TA        Gd     CBlock       Gd       TA
## 549          0        TA        Gd     CBlock       TA       TA
## 550          0        Gd        TA      PConc       Gd       TA
## 551          0        TA        TA     CBlock       Gd       TA
## 552          0        TA        TA     CBlock       TA       TA
## 553        250        Gd        TA      PConc       Ex       TA
## 554          0        TA        TA     CBlock     <NA>     <NA>
## 555        292        Gd        TA      PConc       Gd       TA
## 556          0        TA        TA     BrkTil       TA       Fa
## 557          0        TA        TA     CBlock       TA       TA
## 558          0        TA        TA     CBlock       TA       TA
## 559          0        TA        TA      PConc       Gd       TA
## 560         18        Gd        TA      PConc       Gd       TA
## 561        180        TA        TA     CBlock       Gd       TA
## 562          0        TA        TA     CBlock       Gd       TA
## 563          0        TA        TA     CBlock       TA       TA
## 564          0        TA        TA     BrkTil       Gd       TA
## 565          0        Gd        TA      PConc       Gd       TA
## 566          0        TA        TA      PConc       Gd       TA
## 567        245        Gd        TA      PConc       Gd       Gd
## 568        168        Gd        TA      PConc       Gd       TA
## 569          0        Gd        TA     CBlock       Gd       TA
## 570          0        TA        TA     CBlock       Gd       TA
## 571        108        TA        TA     CBlock       TA       TA
## 572        207        TA        TA     CBlock       TA       TA
## 573          0        TA        TA      PConc       Ex       TA
## 574          0        TA        TA      PConc       Gd       TA
## 575         82        TA        TA     CBlock       TA       TA
## 576          0        TA        TA     CBlock       TA       TA
## 577          0        TA        TA     BrkTil       TA       TA
## 578         97        TA        TA     CBlock       TA       TA
## 579          0        Gd        TA      PConc       Gd       TA
## 580        335        TA        TA     BrkTil       TA       TA
## 581         85        TA        TA     CBlock       TA       TA
## 582        306        Ex        TA      PConc       Ex       TA
```

```
## 583        104        TA        Gd     CBlock       Gd       TA
## 584          0        Ex        Ex     BrkTil       TA       TA
## 585          0        TA        TA     BrkTil       TA       TA
## 586        208        Gd        TA      PConc       Ex       TA
## 587          0        TA        Gd     BrkTil       TA       Gd
## 588          0        TA        TA     CBlock       TA       TA
## 589          0        TA        TA     CBlock       TA       TA
## 590          0        TA        TA     BrkTil       TA       TA
## 591          0        Gd        TA      PConc       Gd       TA
## 592        420        Ex        TA      PConc       Ex       TA
## 593          0        TA        Gd      PConc       TA       Gd
## 594        170        Gd        TA      PConc       Gd       TA
## 595          0        TA        TA     CBlock       Gd       TA
## 596        238        Gd        TA      PConc       Gd       TA
## 597          0        TA        TA     CBlock       TA       TA
## 598         72        Gd        TA      PConc       Ex       TA
## 599        459        TA        TA     CBlock       Gd       TA
## 600          0        TA        Gd     CBlock       Gd       TA
## 601        280        Gd        TA      PConc       Gd       TA
## 602          0        TA        Gd      PConc       TA       TA
## 603          0        Gd        TA      PConc       Gd       TA
## 604          0        Gd        TA      PConc       Gd       TA
## 605         99        Gd        TA      PConc       Gd       TA
## 606        176        TA        TA     CBlock       TA       TA
## 607          0        TA        Gd      PConc       Gd       TA
## 608          0        TA        Gd     CBlock       TA       Gd
## 609          0        TA        TA      PConc       Gd       TA
## 610        192        TA        Fa     CBlock       TA       TA
## 611        204        Gd        TA      PConc       Ex       TA
## 612        233        TA        TA     CBlock       Gd       TA
## 613        108        Gd        TA      PConc       Gd       TA
## 614          0        TA        TA      PConc       Gd       TA
## 615          0        TA        TA     CBlock       Gd       TA
## 616        156        TA        Gd      PConc       TA       TA
## 617          0        Gd        TA      PConc       Gd       TA
## 618          0        TA        TA     CBlock       TA       TA
## 619        452        Ex        TA      PConc       Ex       TA
## 620        226        Gd        TA      PConc       Gd       TA
## 621          0        TA        TA     BrkTil       TA       TA
## 622          0        TA        TA     CBlock       TA       TA
## 623        153        TA        TA     CBlock       TA       TA
## 624        513        Gd        TA      PConc       Gd       TA
## 625        288        TA        TA     CBlock       TA       TA
## 626        261        TA        TA     CBlock       TA       TA
## 627          0        TA        TA     CBlock       TA       TA
## 628        164        TA        TA     CBlock       TA       TA
## 629        192        TA        TA      PConc       Gd       TA
## 630        259        TA        TA     CBlock       TA       TA
## 631          0        TA        TA     BrkTil       Fa       Fa
## 632        108        Gd        TA      PConc       Gd       Gd
## 633        209        TA        Gd     CBlock       TA       TA
## 634          0        TA        TA     CBlock       TA       TA
## 635          0        TA        TA     CBlock       TA       TA
## 636          0        Fa        TA     CBlock       TA       Fa
```

```
## 637          0        Fa        Fa     BrkTil       TA       Fa
## 638          0        TA        TA     CBlock       TA       TA
## 639          0        TA        TA     CBlock       Fa       TA
## 640          0        Gd        TA      PConc       Gd       Gd
## 641        472        Ex        TA      PConc       Ex       TA
## 642          0        Gd        TA      PConc       Gd       TA
## 643          0        Gd        TA     CBlock       Gd       TA
## 644        263        TA        TA     CBlock       TA       TA
## 645        162        Ex        TA      PConc       Ex       TA
## 646          0        TA        TA     CBlock       TA       TA
## 647          0        TA        TA     CBlock     <NA>     <NA>
## 648        216        TA        TA     CBlock       TA       TA
## 649        351        TA        TA     CBlock       TA       TA
## 650          0        TA        TA     CBlock       Gd       TA
## 651         NA        Gd        TA      PConc       Gd       TA
## 652          0        TA        TA     CBlock       TA       TA
## 653          0        Gd        TA      PConc       Gd       TA
## 654          0        TA        TA     CBlock       TA       TA
## 655        660        Gd        Gd      PConc       Gd       TA
## 656        381        TA        TA     CBlock       TA       TA
## 657         54        Gd        TA     CBlock       TA       TA
## 658          0        TA        Fa     BrkTil       Gd       TA
## 659          0        TA        TA     CBlock       TA       TA
## 660          0        TA        Gd      PConc       TA       TA
## 661        233        TA        TA     CBlock       Gd       TA
## 662        528        Gd        TA      PConc       Gd       Gd
## 663        216        TA        TA     CBlock       Fa       Fa
## 664          0        TA        TA     CBlock       Gd       TA
## 665          0        Gd        TA      PConc       Ex       TA
## 666         40        Gd        TA      PConc       Gd       TA
## 667        113        TA        Gd     CBlock       Gd       TA
## 668        258        TA        TA      PConc       Gd       TA
## 669          0        TA        TA     CBlock       TA       TA
## 670          0        TA        TA     BrkTil       Fa       TA
## 671          0        Gd        TA      PConc       Gd       TA
## 672          0        TA        Gd     BrkTil       TA       TA
## 673          0        Gd        TA     CBlock       Gd       TA
## 674        106        TA        TA      PConc       TA       TA
## 675          0        TA        TA     CBlock       TA       TA
## 676          0        TA        TA     CBlock       TA       TA
## 677          0        TA        TA     BrkTil       TA       Fa
## 678          0        Gd        TA     BrkTil       TA       TA
## 679        464        Gd        TA      PConc       Ex       TA
## 680         57        TA        TA     CBlock       TA       TA
## 681          0        TA        TA     CBlock       Gd       TA
## 682          0        TA        TA     BrkTil       TA       TA
## 683          0        TA        TA      PConc       Gd       TA
## 684        215        Gd        TA      PConc       Gd       TA
## 685         30        Gd        TA      PConc       Gd       TA
## 686          0        Gd        TA     CBlock       Gd       TA
## 687          0        Gd        TA      PConc       Gd       TA
## 688          0        Gd        TA      PConc       Gd       TA
## 689          0        Gd        TA      PConc       Gd       TA
## 690        256        Gd        TA      PConc       Gd       TA
```

```
## 691         147        Gd        TA      PConc       Gd       TA
## 692        1170        Ex        TA      PConc       Ex       TA
## 693         293        Gd        TA      PConc       Gd       TA
## 694           0        TA        TA     BrkTil       TA       TA
## 695           0        TA        Fa     BrkTil       TA       TA
## 696          72        TA        TA     CBlock       Gd       Gd
## 697           0        TA        TA     CBlock       TA       TA
## 698           0        TA        TA      PConc       Ex       Gd
## 699           0        TA        Gd     CBlock       TA       TA
## 700           0        Gd        TA      PConc       Gd       TA
## 701         630        Gd        TA      PConc       Ex       TA
## 702         168        TA        TA     CBlock       TA       TA
## 703         466        Ex        TA      PConc       Ex       Gd
## 704           0        TA        Gd     BrkTil       Gd       TA
## 705         109        Gd        TA      PConc       Gd       TA
## 706           0        Fa        Fa       Slab     <NA>     <NA>
## 707         351        TA        TA     CBlock       Gd       TA
## 708         176        Gd        TA      PConc       Gd       TA
## 709           0        Gd        TA      PConc       Gd       TA
## 710          41        TA        TA      PConc       TA       TA
## 711           0        Gd        TA     CBlock       TA       TA
## 712           0        TA        TA      Stone       TA       TA
## 713           0        Gd        TA      PConc       Gd       TA
## 714         160        TA        TA     CBlock       TA       TA
## 715         289        Gd        TA     CBlock       TA       TA
## 716         174        TA        TA     CBlock       Gd       TA
## 717           0        TA        Gd     BrkTil       TA       TA
## 718           0        TA        TA     CBlock       Gd       TA
## 719         651        Gd        TA      PConc       Gd       TA
## 720           0        TA        TA     CBlock       Gd       TA
## 721           0        Gd        TA      PConc       Gd       TA
## 722         169        Gd        TA      PConc       Gd       TA
## 723           0        TA        Gd     CBlock       TA       TA
## 724           0        TA        TA      PConc       TA       TA
## 725         340        Ex        TA      PConc       Ex       TA
## 726           0        TA        TA     CBlock       TA       TA
## 727         260        Gd        Gd     CBlock       Gd       TA
## 728          82        Gd        TA      PConc       Gd       TA
## 729          95        TA        TA     CBlock       TA       TA
## 730           0        TA        TA     CBlock       TA       TA
## 731           0        Gd        TA      PConc       Gd       TA
## 732         442        Gd        TA      PConc       Ex       TA
## 733         202        Gd        TA      PConc       Gd       TA
## 734           0        TA        TA     CBlock       TA       TA
## 735           0        TA        TA      PConc       TA       TA
## 736           0        TA        TA     BrkTil       Gd       TA
## 737           0        TA        TA     CBlock     <NA>     <NA>
## 738           0        Gd        TA      PConc       Gd       TA
## 739           0        TA        TA     CBlock       Gd       Gd
## 740           0        Gd        TA      PConc       Gd       TA
## 741           0        TA        Gd     BrkTil       Fa       Fa
## 742           0        TA        Gd     CBlock       TA       TA
## 743         108        TA        TA      PConc       Gd       TA
## 744           0        TA        TA     CBlock       Gd       TA
```

```
## 745           0        Gd        TA      PConc       Gd       TA
## 746         289        Ex        Gd     CBlock       TA       Gd
## 747           0        Gd        TA      PConc       Gd       TA
## 748           0        Gd        TA      Stone       TA       Fa
## 749         338        Gd        TA      PConc       Gd       TA
## 750           0        TA        TA       Slab     <NA>     <NA>
## 751           0        TA        TA     BrkTil       TA       Fa
## 752           0        Gd        TA      PConc       Gd       TA
## 753           0        TA        Gd      PConc       Gd       TA
## 754         178        Gd        TA      PConc       Gd       TA
## 755           0        TA        TA     CBlock       TA       TA
## 756         894        TA        TA      PConc       Gd       TA
## 757           0        Gd        TA      PConc       Gd       TA
## 758         328        TA        TA     CBlock       TA       TA
## 759         360        TA        TA      PConc       Gd       TA
## 760         513        Gd        TA      PConc       Gd       TA
## 761           0        TA        TA     CBlock       TA       TA
## 762           0        TA        TA      PConc       TA       TA
## 763           0        TA        TA      PConc       Gd       TA
## 764         673        Gd        TA      PConc       Gd       TA
## 765           0        Gd        Gd      PConc       Gd       Gd
## 766         284        Gd        TA      PConc       Gd       TA
## 767          42        TA        TA     CBlock       Gd       TA
## 768           0        TA        TA     CBlock       Gd       TA
## 769           0        Gd        TA      PConc       Gd       TA
## 770         603        Ex        TA      PConc       Gd       TA
## 771           0        TA        TA     CBlock       Gd       TA
## 772           0        TA        TA     CBlock       Fa       Fa
## 773           0        TA        TA     CBlock       TA       TA
## 774           1        TA        TA     CBlock       TA       TA
## 775         375        Gd        TA      PConc       Gd       TA
## 776         320        TA        TA      PConc       Ex       TA
## 777         240        Gd        TA      PConc       Gd       TA
## 778           0        TA        TA     CBlock       TA       TA
## 779         320        TA        TA       Slab     <NA>     <NA>
## 780          90        TA        TA     CBlock       Gd       TA
## 781          38        TA        TA      PConc       Gd       Gd
## 782           0        Gd        Gd      PConc       Gd       TA
## 783           0        Gd        TA      PConc       Gd       TA
## 784         104        TA        Gd      PConc       Gd       TA
## 785           0        TA        TA     CBlock       TA       TA
## 786           0        TA        TA     CBlock       TA       TA
## 787           0        TA        Gd      PConc       Fa       TA
## 788           0        Gd        TA      PConc       Gd       TA
## 789           0        TA        TA     CBlock       TA       TA
## 790         157        TA        TA     CBlock       TA       Fa
## 791          11        Gd        TA      PConc       Gd       TA
## 792           0        TA        TA      PConc       Gd       TA
## 793           0        Gd        TA      PConc       Gd       TA
## 794         140        Gd        TA      PConc       Gd       TA
## 795           0        Gd        TA      PConc       Gd       TA
## 796         130        TA        TA     CBlock       Gd       TA
## 797         148        TA        TA     CBlock       TA       TA
## 798           0        TA        TA     CBlock       TA       TA
```

```
## 799   860   Ex   TA   PConc   Ex   TA
## 800   252   TA   TA   BrkTil   Gd   TA
## 801   0   TA   TA   PConc   Gd   TA
## 802   0   TA   TA   CBlock   TA   TA
## 803   0   Gd   TA   PConc   Gd   TA
## 804   424   Ex   TA   PConc   Ex   TA
## 805   0   TA   TA   CBlock   TA   TA
## 806   256   Gd   TA   PConc   Gd   TA
## 807   0   TA   TA   PConc   TA   TA
## 808   0   TA   TA   CBlock   TA   TA
## 809   1047   TA   TA   CBlock   TA   TA
## 810   0   TA   TA   PConc   TA   TA
## 811   99   TA   TA   CBlock   TA   TA
## 812   169   Gd   TA   PConc   Gd   TA
## 813   0   Fa   TA   CBlock   TA   TA
## 814   243   TA   TA   CBlock   TA   TA
## 815   0   TA   TA   BrkTil   TA   TA
## 816   442   TA   TA   PConc   Gd   TA
## 817   0   TA   TA   CBlock   TA   TA
## 818   148   Gd   TA   PConc   Gd   TA
## 819   80   TA   TA   CBlock   TA   TA
## 820   128   Gd   TA   PConc   Gd   TA
## 821   0   Gd   TA   PConc   Gd   TA
## 822   0   Fa   TA   CBlock   Fa   TA
## 823   0   Gd   TA   PConc   Gd   TA
## 824   0   TA   TA   BrkTil   TA   TA
## 825   0   Gd   TA   PConc   Gd   Gd
## 826   816   Ex   TA   PConc   Ex   TA
## 827   0   TA   TA   BrkTil   TA   TA
## 828   0   Gd   TA   PConc   Gd   TA
## 829   0   TA   TA   PConc   TA   Gd
## 830   0   Gd   TA   PConc   Gd   TA
## 831   387   TA   TA   CBlock   TA   TA
## 832   0   TA   TA   PConc   Gd   TA
## 833   223   Gd   TA   PConc   Gd   TA
## 834   180   TA   TA   CBlock   TA   TA
## 835   136   TA   TA   CBlock   TA   TA
## 836   0   TA   TA   CBlock   Gd   TA
## 837   0   TA   TA   BrkTil   TA   TA
## 838   158   TA   TA   CBlock   TA   TA
## 839   0   TA   TA   PConc   Gd   TA
## 840   0   TA   TA   CBlock   TA   TA
## 841   0   TA   TA   BrkTil   TA   TA
## 842   0   TA   TA   PConc   TA   TA
## 843   183   TA   TA   CBlock   TA   TA
## 844   0   TA   TA   CBlock   TA   TA
## 845   0   TA   TA   BrkTil   TA   TA
## 846   0   TA   TA   CBlock   Gd   TA
## 847   137   Gd   TA   PConc   Gd   TA
## 848   0   TA   TA   CBlock   TA   TA
## 849   0   TA   TA   BrkTil   TA   TA
## 850   360   Gd   Gd   CBlock   TA   TA
## 851   170   Gd   TA   PConc   Gd   TA
## 852   40   Gd   TA   PConc   Gd   TA
```

```
## 853          0        TA        Gd     CBlock       TA       TA
## 854        115        TA        Gd     CBlock       TA       TA
## 855          0        TA        TA     CBlock       TA       TA
## 856          0        TA        Gd     CBlock       TA       TA
## 857          0        TA        TA     CBlock       Gd       Gd
## 858          0        TA        TA      PConc       Gd       TA
## 859        189        TA        TA     CBlock       Gd       TA
## 860        220        TA        TA     CBlock       TA       TA
## 861          0        Gd        TA     BrkTil       TA       TA
## 862          0        TA        TA      PConc       TA       TA
## 863          0        TA        TA      PConc       Gd       TA
## 864          0        TA        TA     CBlock       TA       TA
## 865          0        Gd        TA      PConc       Ex       TA
## 866         76        TA        TA     CBlock       TA       TA
## 867        274        Gd        TA      PConc       Gd       TA
## 868          0        TA        TA     CBlock       TA       TA
## 869          0        TA        TA       Slab     <NA>     <NA>
## 870        246        Gd        TA      PConc       Gd       TA
## 871          0        TA        TA     CBlock       TA       TA
## 872        116        TA        TA      PConc       Gd       TA
## 873          0        Gd        TA      Stone       TA       TA
## 874          0        Gd        TA     CBlock       TA       TA
## 875          0        TA        TA     CBlock       TA       TA
## 876          0        Gd        TA      PConc       Gd       TA
## 877          0        TA        TA      PConc       TA       TA
## 878        216        Gd        TA      PConc       Ex       TA
## 879          0        TA        TA     CBlock       TA       TA
## 880         90        Gd        Gd     CBlock       TA       TA
## 881          0        TA        TA      PConc       Ex       Gd
## 882        117        Gd        Gd     CBlock       Gd       TA
## 883          0        TA        TA      PConc       Gd       TA
## 884          0        Gd        TA      PConc       TA       Fa
## 885         60        TA        TA     CBlock       TA       TA
## 886         60        Gd        TA      PConc       Ex       TA
## 887        122        TA        TA     CBlock       TA       TA
## 888          0        TA        Gd      PConc       TA       TA
## 889          0        Gd        Gd      PConc       TA       Gd
## 890         90        TA        TA     CBlock       TA       TA
## 891          0        TA        Gd     CBlock       TA       TA
## 892         92        TA        TA     CBlock       TA       TA
## 893          0        TA        TA     CBlock       TA       TA
## 894          0        TA        TA      PConc       Gd       TA
## 895          0        TA        TA       Slab     <NA>     <NA>
## 896        415        TA        TA     CBlock       TA       TA
## 897          0        TA        TA     BrkTil       TA       TA
## 898          0        TA        TA       Slab     <NA>     <NA>
## 899        760        Ex        TA      PConc       Ex       TA
## 900          0        TA        TA     CBlock       TA       TA
## 901          0        TA        TA     CBlock       TA       TA
## 902          0        TA        Gd     CBlock       TA       TA
## 903          0        Gd        TA      PConc       Gd       TA
## 904         27        Gd        TA      PConc       Gd       TA
## 905         75        TA        TA     CBlock       TA       TA
## 906        110        TA        TA     CBlock       TA       TA
```

```
## 907  208  Gd  TA  PConc  Gd  TA
## 908    0  Gd  TA  CBlock  Gd  TA
## 909    0  TA  TA  CBlock  Gd  TA
## 910    0  Gd  TA  PConc  Gd  TA
## 911  361  TA  TA  CBlock  TA  TA
## 912    0  TA  TA  CBlock  Gd  Gd
## 913    0  TA  TA  BrkTil  TA  TA
## 914    0  TA  TA  CBlock  TA  TA
## 915   76  Gd  TA  PConc  Gd  TA
## 916   80  TA  TA  CBlock  TA  TA
## 917    0  TA  TA  CBlock  TA  TA
## 918    0  TA  TA  CBlock  TA  TA
## 919    0  Gd  TA  PConc  Ex  TA
## 920    0  Ex  TA  CBlock  Gd  TA
## 921  105  Gd  Gd  PConc  Gd  Gd
## 922    0  TA  TA  CBlock  TA  TA
## 923    0  Gd  TA  PConc  Gd  TA
## 924    0  Gd  TA  PConc  Gd  TA
## 925  157  TA  Gd  CBlock  Gd  TA
## 926    0  TA  TA  PConc  Gd  TA
## 927  340  Gd  TA  PConc  Gd  TA
## 928  342  TA  TA  CBlock  TA  TA
## 929    0  Gd  TA  PConc  Gd  TA
## 930  285  TA  TA  PConc  Gd  TA
## 931    0  Gd  TA  PConc  Gd  TA
## 932    0  TA  TA  CBlock  TA  TA
## 933  302  Ex  TA  PConc  Ex  Gd
## 934  210  Gd  TA  PConc  Gd  TA
## 935    0  TA  TA  CBlock  Gd  TA
## 936  108  TA  Gd  PConc  Fa  TA
## 937   NA  Gd  TA  PConc  Gd  TA
## 938    0  Gd  TA  PConc  Gd  TA
## 939    0  Gd  TA  PConc  Gd  Gd
## 940    0  TA  Gd  CBlock  TA  TA
## 941    0  TA  TA  CBlock  TA  TA
## 942  298  Gd  TA  PConc  Gd  TA
## 943    0  TA  TA  PConc  Gd  TA
## 944    0  TA  TA  CBlock  TA  TA
## 945  541  TA  TA  CBlock  TA  TA
## 946    0  TA  TA  BrkTil  TA  TA
## 947  128  TA  Gd  CBlock  TA  TA
## 948  236  Gd  TA  PConc  Gd  TA
## 949  144  Gd  TA  PConc  Gd  TA
## 950    0  TA  TA  CBlock  TA  TA
## 951    0  TA  TA  CBlock  TA  TA
## 952    0  TA  TA  CBlock  TA  TA
## 953    0  TA  Gd  CBlock  Gd  TA
## 954  232  TA  TA  CBlock  TA  TA
## 955  250  TA  TA  CBlock  Gd  Gd
## 956  423  TA  TA  CBlock  Gd  TA
## 957    0  TA  TA  CBlock  Gd  TA
## 958    0  TA  TA  CBlock  TA  TA
## 959    0  Gd  TA  PConc  Gd  TA
## 960    0  Gd  TA  PConc  Gd  TA
```

```
## 961           0        TA        Gd     CBlock       TA       TA
## 962         424        TA        Gd     CBlock       Gd       Gd
## 963           0        TA        TA     CBlock       Gd       TA
## 964           0        Gd        TA      PConc       Ex       TA
## 965          44        Gd        TA      PConc       Gd       TA
## 966           0        Gd        TA      PConc       Gd       TA
## 967           0        Gd        Gd     BrkTil       TA       Fa
## 968         151        TA        TA     CBlock       TA       TA
## 969           0        TA        TA     BrkTil       TA       TA
## 970         105        TA        Fa     CBlock       TA       TA
## 971           0        TA        TA     CBlock       TA       TA
## 972         106        Gd        TA      PConc       Gd       TA
## 973           0        TA        TA     CBlock       Gd       TA
## 974          NA        Gd        TA      PConc       Gd       TA
## 975           0        TA        Gd     BrkTil       Gd       TA
## 976           0        Gd        TA      PConc       Gd       TA
## 977           0        TA        TA      PConc       Gd       TA
## 978          NA        Gd        TA      PConc       Gd       TA
## 979           0        TA        TA     CBlock       TA       TA
## 980           0        TA        TA      PConc       TA       TA
## 981         210        Ex        TA     CBlock       TA       TA
## 982         975        Gd        TA      PConc       Gd       TA
## 983          16        Gd        TA      PConc       Gd       TA
## 984           0        Gd        TA      PConc       Gd       TA
## 985           0        TA        TA     CBlock     <NA>     <NA>
## 986           0        TA        TA     CBlock       TA       TA
## 987           0        TA        Gd     CBlock       TA       Fa
## 988         450        Ex        TA      PConc       Ex       TA
## 989         298        TA        TA     CBlock       TA       TA
## 990           0        Gd        TA      PConc       Gd       Gd
## 991         423        Gd        TA      PConc       Gd       TA
## 992           0        Gd        Gd     BrkTil       TA       TA
## 993         340        TA        TA     CBlock       TA       TA
## 994           0        TA        TA      PConc       Gd       TA
## 995         230        Ex        TA      PConc       Ex       TA
## 996           0        TA        TA     CBlock       TA       TA
## 997           0        TA        TA     CBlock       TA       TA
## 998         571        TA        TA     CBlock       TA       TA
## 999           0        TA        TA     BrkTil       TA       Fa
## 1000         24        Gd        TA      PConc       Gd       TA
## 1001          0        TA        TA       Slab     <NA>     <NA>
## 1002          0        TA        TA     BrkTil       Fa       TA
## 1003         53        Gd        TA      PConc       Gd       TA
## 1004        164        TA        TA     CBlock       TA       TA
## 1005         16        Gd        TA      PConc       Gd       TA
## 1006        220        Gd        TA     CBlock       Gd       Gd
## 1007          0        TA        TA     CBlock       Gd       TA
## 1008          0        TA        TA     CBlock       TA       TA
## 1009        108        Gd        TA      PConc       Ex       TA
## 1010          0        TA        Fa     BrkTil       TA       TA
## 1011          0        TA        TA     CBlock       TA       TA
## 1012          0        TA        TA     CBlock     <NA>     <NA>
## 1013          0        TA        Gd      PConc       TA       Fa
## 1014          0        TA        TA     BrkTil       TA       TA
```

```
## 1015        206        TA        TA     CBlock       TA       Fa
## 1016          0        Gd        TA      PConc       Gd       TA
## 1017        196        Gd        TA      PConc       Gd       TA
## 1018          0        Gd        TA     CBlock       Gd       TA
## 1019         76        Gd        TA      PConc       Gd       TA
## 1020        145        Gd        TA      PConc       Gd       TA
## 1021          0        TA        TA      PConc       Gd       TA
## 1022         84        Gd        TA      PConc       Gd       TA
## 1023          0        TA        TA     CBlock       TA       TA
## 1024         14        Gd        TA      PConc       Gd       Gd
## 1025          0        Gd        TA     CBlock       Gd       TA
## 1026          0        TA        TA     CBlock       TA       TA
## 1027        324        TA        TA     CBlock       TA       TA
## 1028        338        Gd        TA      PConc       Gd       TA
## 1029          0        TA        TA     CBlock       TA       TA
## 1030        281        TA        TA     CBlock       TA       TA
## 1031          0        TA        TA      PConc       TA       TA
## 1032          0        TA        TA     BrkTil       TA       TA
## 1033          0        Gd        Gd      PConc       Gd       Gd
## 1034        295        Gd        TA      PConc       Gd       TA
## 1035          0        TA        Gd      PConc       Fa       Fa
## 1036          0        TA        Gd       Slab     <NA>     <NA>
## 1037         70        Gd        TA      PConc       Ex       TA
## 1038        396        Gd        TA      PConc       Gd       TA
## 1039          0        TA        TA     CBlock       TA       TA
## 1040          0        TA        TA     CBlock       Gd       TA
## 1041         67        TA        TA     CBlock       TA       TA
## 1042        252        TA        TA     CBlock       TA       TA
## 1043        135        Gd        TA      PConc       Gd       TA
## 1044         99        TA        TA      PConc       Gd       TA
## 1045          0        Gd        TA      PConc       Gd       TA
## 1046          0        TA        TA       Slab     <NA>     <NA>
## 1047        208        Gd        TA      PConc       Ex       TA
## 1048          0        TA        TA      PConc       Gd       TA
## 1049         75        TA        Fa       Slab     <NA>     <NA>
## 1050          0        TA        TA     CBlock     <NA>     <NA>
## 1051          0        Gd        TA      PConc       Gd       TA
## 1052          0        Gd        TA      PConc       Gd       TA
## 1053        272        TA        TA     CBlock       TA       TA
## 1054        145        TA        TA     CBlock       TA       TA
## 1055        210        Gd        TA      PConc       Gd       TA
## 1056        160        TA        TA     CBlock       Gd       TA
## 1057        240        Gd        TA      PConc       Gd       TA
## 1058          0        Gd        TA      PConc       Gd       TA
## 1059        154        Ex        TA      PConc       Ex       TA
## 1060        480        TA        TA     CBlock       TA       TA
## 1061          0        Gd        TA      PConc       Gd       TA
## 1062          0        Fa        TA     CBlock       TA       TA
## 1063          0        TA        TA     BrkTil       TA       TA
## 1064          0        TA        Gd     BrkTil       TA       TA
## 1065        200        TA        TA     CBlock       TA       TA
## 1066          0        Gd        TA      PConc       Ex       TA
## 1067          0        Gd        TA      PConc       Gd       TA
## 1068        360        TA        TA     CBlock       TA       TA
```

```
## 1069          0        TA        TA     CBlock       Gd       TA
## 1070          0        TA        TA     CBlock       TA       TA
## 1071        120        TA        TA     CBlock       TA       TA
## 1072          0        TA        TA     CBlock       TA       TA
## 1073          0        TA        TA     CBlock       Fa       Fa
## 1074        140        TA        TA     CBlock       TA       TA
## 1075          0        Gd        TA      PConc       Gd       TA
## 1076          0        TA        TA     CBlock       TA       TA
## 1077          0        TA        TA     CBlock       Fa       TA
## 1078          0        TA        TA     CBlock       TA       TA
## 1079        169        Gd        TA      PConc       Gd       TA
## 1080          0        TA        TA      PConc       Gd       TA
## 1081        144        Gd        Gd     CBlock       TA       TA
## 1082          0        TA        TA     CBlock       TA       TA
## 1083        100        Gd        TA      PConc       Gd       TA
## 1084        425        TA        TA     CBlock       TA       TA
## 1085          0        TA        TA      PConc       Gd       TA
## 1086          0        TA        TA      PConc       Gd       TA
## 1087          0        TA        TA     CBlock       TA       TA
## 1088          0        Gd        TA      PConc       Gd       TA
## 1089         50        Gd        TA      PConc       Gd       TA
## 1090          0        Gd        TA      PConc       Gd       TA
## 1091          0        TA        TA       Slab     <NA>     <NA>
## 1092        212        Gd        TA      PConc       Gd       TA
## 1093          0        TA        TA      PConc       TA       TA
## 1094        166        TA        TA     CBlock       TA       TA
## 1095          0        TA        TA     CBlock       TA       TA
## 1096          0        Gd        TA      PConc       Gd       TA
## 1097          0        TA        TA      PConc       TA       TA
## 1098          0        Gd        TA     CBlock       Gd       TA
## 1099          0        TA        TA     BrkTil       TA       TA
## 1100        206        TA        TA     CBlock       Gd       TA
## 1101          0        TA        TA     CBlock       TA       Fa
## 1102          0        TA        TA     CBlock       TA       TA
## 1103         45        TA        TA     CBlock       TA       TA
## 1104          0        TA        TA     CBlock       TA       TA
## 1105        304        TA        TA     CBlock       TA       TA
## 1106        362        Gd        TA      PConc       Ex       TA
## 1107          0        Gd        TA      PConc       Gd       TA
## 1108          0        Gd        TA      PConc       Ex       Gd
## 1109          0        TA        TA      PConc       Gd       TA
## 1110         42        Gd        TA      PConc       Ex       TA
## 1111          0        TA        TA      PConc       Gd       TA
## 1112        660        TA        TA     CBlock       TA       TA
## 1113          0        TA        TA     CBlock       TA       TA
## 1114          0        TA        TA     CBlock       TA       TA
## 1115          0        TA        Gd     CBlock       TA       TA
## 1116        328        Gd        TA      PConc       Ex       TA
## 1117          0        Gd        TA      PConc       Gd       TA
## 1118          0        TA        TA     CBlock       TA       TA
## 1119          0        TA        Gd     CBlock       TA       TA
## 1120          0        TA        TA     CBlock       TA       TA
## 1121          0        TA        TA     BrkTil       TA       TA
## 1122        196        Gd        TA      PConc       Gd       TA
```

```
## 1123          0        TA        TA     CBlock       TA       TA
## 1124          0        TA        Ex     CBlock       TA       TA
## 1125        170        TA        TA      PConc       Gd       TA
## 1126          0        TA        TA     CBlock       TA       TA
## 1127        130        Gd        TA      PConc       Gd       TA
## 1128          0        Gd        TA      PConc       Gd       TA
## 1129          0        Gd        TA      PConc       Gd       TA
## 1130        180        TA        TA     CBlock       Gd       TA
## 1131          0        TA        TA     BrkTil       TA       TA
## 1132          0        TA        TA      PConc       Gd       TA
## 1133          0        TA        TA     BrkTil       TA       TA
## 1134          0        Gd        TA      PConc       Gd       TA
## 1135          0        TA        TA      PConc       Gd       TA
## 1136          0        TA        TA     BrkTil       TA       TA
## 1137          0        TA        TA     CBlock       TA       TA
## 1138          0        TA        Gd     CBlock       TA       TA
## 1139          0        TA        TA      PConc       TA       TA
## 1140          0        TA        Fa     BrkTil       TA       TA
## 1141          0        TA        TA     CBlock       TA       TA
## 1142         44        TA        Gd     CBlock       TA       TA
## 1143        340        Gd        TA      PConc       Ex       TA
## 1144          0        TA        TA     CBlock       TA       TA
## 1145          0        TA        Fa     BrkTil       Gd       TA
## 1146          0        TA        TA     BrkTil       TA       TA
## 1147         85        Gd        TA     CBlock       Gd       TA
## 1148          0        TA        TA     CBlock       TA       TA
## 1149          0        TA        TA      PConc       TA       TA
##      BsmtExposure BsmtFinType1 BsmtFinSF1 BsmtFinType2 BsmtFinSF2
## 1              No          GLQ        706          Unf          0
## 2              Gd          ALQ        978          Unf          0
## 3              Mn          GLQ        486          Unf          0
## 4              No          ALQ        216          Unf          0
## 5              Av          GLQ        655          Unf          0
## 6              No          GLQ        732          Unf          0
## 7              Av          GLQ       1369          Unf          0
## 8              Mn          ALQ        859          BLQ         32
## 9              No          Unf          0          Unf          0
## 10             No          GLQ        851          Unf          0
## 11             No          Rec        906          Unf          0
## 12             No          GLQ        998          Unf          0
## 13             No          ALQ        737          Unf          0
## 14             Av          Unf          0          Unf          0
## 15             No          BLQ        733          Unf          0
## 16             No          Unf          0          Unf          0
## 17             No          ALQ        578          Unf          0
## 18           <NA>         <NA>          0         <NA>          0
## 19             No          GLQ        646          Unf          0
## 20             No          LwQ        504          Unf          0
## 21             Av          Unf          0          Unf          0
## 22             No          Unf          0          Unf          0
## 23             No          Unf          0          Unf          0
## 24             No          GLQ        840          Unf          0
## 25             Mn          Rec        188          ALQ        668
## 26             No          Unf          0          Unf          0
```

```
## 27          Mn          BLQ         234          Rec         486
## 28          No          GLQ        1218          Unf           0
## 29          Gd          BLQ        1277          Unf           0
## 30          No          Unf           0          Unf           0
## 31          No          Unf           0          Unf           0
## 32          No          Unf           0          Unf           0
## 33          Av          Unf           0          Unf           0
## 34          No          Rec        1018          Unf           0
## 35          No          GLQ        1153          Unf           0
## 36          Av          Unf           0          Unf           0
## 37          No          Unf           0          Unf           0
## 38          No          Rec        1213          Unf           0
## 39          No          GLQ         731          Unf           0
## 40        <NA>        <NA>            0        <NA>            0
## 41          No          Rec         643          Unf           0
## 42          Gd          BLQ         967          Unf           0
## 43          Av          ALQ         747          LwQ          93
## 44          Av          LwQ         280          BLQ         491
## 45          No          ALQ         179          BLQ         506
## 46          No          GLQ         456          Unf           0
## 47          No          GLQ        1351          Unf           0
## 48          Av          GLQ          24          Unf           0
## 49          No          Unf           0          Unf           0
## 50          No          BLQ         763          Unf           0
## 51          Av          GLQ         182          Unf           0
## 52          No          Unf           0          Unf           0
## 53          Gd          LwQ         104          GLQ         712
## 54          Gd          GLQ        1810          Unf           0
## 55          No          ALQ         384          Unf           0
## 56          No          BLQ         490          Unf           0
## 57          No          GLQ         649          Unf           0
## 58          No          Unf           0          Unf           0
## 59          Gd          Unf           0          Unf           0
## 60          Av          ALQ         632          Unf           0
## 61          No          ALQ         941          Unf           0
## 62          No          Unf           0          Unf           0
## 63          Mn          GLQ          24          Unf           0
## 64          No          Unf           0          Unf           0
## 65          No          GLQ         739          Unf           0
## 66          Av          Unf           0          Unf           0
## 67          Gd          GLQ         912          Unf           0
## 68          Av          GLQ        1013          Unf           0
## 69          No          Unf           0          Unf           0
## 70          No          BLQ         603          Unf           0
## 71          Gd          ALQ        1880          Unf           0
## 72          No          ALQ         565          Unf           0
## 73          No          Unf           0          Unf           0
## 74          No          ALQ         320          BLQ         362
## 75          No          Unf           0          Unf           0
## 76          Gd          GLQ         462          Unf           0
## 77          No          ALQ         228          Unf           0
## 78          No          BLQ         336          GLQ          41
## 79          No          Unf           0          Unf           0
## 80          No          Unf           0          Unf           0
```

```
## 81            No          Rec        448          Unf          0
## 82            No          GLQ       1201          Unf          0
## 83            No          GLQ         33          Unf          0
## 84            No          Unf          0          Unf          0
## 85            No          Unf          0          Unf          0
## 86            No          Unf          0          Unf          0
## 87            Av          Unf          0          Unf          0
## 88            Av          Unf          0          Unf          0
## 89            No          Unf          0          Unf          0
## 90            No          GLQ        588          Unf          0
## 91          <NA>        <NA>          0        <NA>           0
## 92            No          Rec        600          Unf          0
## 93            No          ALQ        713          Unf          0
## 94            Mn          Rec       1046          Unf          0
## 95            No          GLQ        648          Unf          0
## 96            No          ALQ        310          Unf          0
## 97            Av          ALQ       1162          Unf          0
## 98            No          Rec        520          Unf          0
## 99            No          ALQ        108          Unf          0
## 100           No          ALQ        569          Unf          0
## 101           Mn          ALQ       1200          Unf          0
## 102           No          Unf          0          Unf          0
## 103         <NA>        <NA>           0        <NA>           0
## 104           No          Unf          0          Unf          0
## 105           No          LwQ        224          Unf          0
## 106           No          Unf          0          Unf          0
## 107           No          Unf          0          Unf          0
## 108           No          ALQ        104          BLQ        169
## 109           No          Unf          0          Unf          0
## 110           No          BLQ        705          Unf          0
## 111           No          Rec        444          Unf          0
## 112           No          GLQ        250          Unf          0
## 113           Av          GLQ        984          Unf          0
## 114           Mn          ALQ         35          Rec        869
## 115           No          ALQ        774          LwQ        150
## 116           No          GLQ        419          Unf          0
## 117           No          LwQ        170          BLQ        670
## 118           No          Unf          0          Unf          0
## 119           Mn          GLQ       1470          Unf          0
## 120           No          Unf          0          Unf          0
## 121           Gd          ALQ        938          Unf          0
## 122           No          Unf          0          Unf          0
## 123           No          BLQ        570          Unf          0
## 124           No          GLQ        300          Unf          0
## 125           No          Unf          0          Unf          0
## 126           Av          GLQ        490          Unf          0
## 127           No          ALQ        120          Unf          0
## 128           No          LwQ        116          Unf          0
## 129           No          BLQ        512          Unf          0
## 130           No          Rec        567          BLQ         28
## 131           No          Rec        445          Unf          0
## 132           No          GLQ        695          Unf          0
## 133           No          Rec        405          Unf          0
## 134           No          GLQ       1005          Unf          0
```

```
## 135          No          Rec        570          Unf          0
## 136          No          Unf          0          Unf          0
## 137          No          BLQ        695          Unf          0
## 138          No          Unf          0          Unf          0
## 139          Mn          GLQ        668          Unf          0
## 140          No          GLQ        821          Unf          0
## 141          No          ALQ        432          Unf          0
## 142          Av          GLQ       1300          Unf          0
## 143          No          Rec        507          Unf          0
## 144          Gd          GLQ        679          Unf          0
## 145          No          Rec       1332          Unf          0
## 146          No          Unf          0          Unf          0
## 147          No          BLQ        209          Unf          0
## 148          No          Unf          0          Unf          0
## 149          No          GLQ        680          Unf          0
## 150          No          Unf          0          Unf          0
## 151          Av          BLQ        716          Unf          0
## 152          Gd          GLQ       1400          Unf          0
## 153          No          Rec        416          Unf          0
## 154          Gd          BLQ        429          ALQ       1080
## 155          No          Unf          0          Unf          0
## 156          No          Unf          0          Unf          0
## 157        <NA>        <NA>           0        <NA>           0
## 158          No          Unf          0          Unf          0
## 159          No          GLQ        222          Unf          0
## 160          Mn          GLQ         57          Unf          0
## 161          No          BLQ        660          Unf          0
## 162          Av          GLQ       1016          Unf          0
## 163          Mn          BLQ       1201          Unf          0
## 164          No          Unf          0          Unf          0
## 165          Mn          LwQ        370          Unf          0
## 166          No          ALQ        351          Rec        181
## 167          No          LwQ        379          BLQ        768
## 168          No          GLQ       1288          Unf          0
## 169          No          Unf          0          Unf          0
## 170          No          Unf          0          Unf          0
## 171          No          Rec        360          Unf          0
## 172          Gd          BLQ        639          Unf          0
## 173          No          GLQ        495          Rec        215
## 174          No          ALQ        288          Rec        374
## 175          No          ALQ       1398          LwQ        208
## 176          Av          ALQ        477          Unf          0
## 177          No          GLQ        831          Unf          0
## 178          No          ALQ         57          BLQ        441
## 179          No          GLQ       1904          Unf          0
## 180          No          Unf          0          Unf          0
## 181          No          GLQ        436          Unf          0
## 182          No          LwQ        352          Unf          0
## 183        <NA>        <NA>           0        <NA>           0
## 184          No          Unf          0          Unf          0
## 185          No          Unf          0          Unf          0
## 186          Mn          Unf          0          Unf          0
## 187          Av          GLQ        611          Unf          0
## 188          No          Unf          0          Unf          0
```

```
## 189          Av          GLQ        1086          Unf           0
## 190          Av          GLQ        1153          Unf           0
## 191          No          Rec         297          Unf           0
## 192          No          ALQ         626          Unf           0
## 193          Av          GLQ         560          Unf           0
## 194          No          Unf           0          Unf           0
## 195          Av          ALQ         390          Unf           0
## 196          No          ALQ         566          Unf           0
## 197          No          GLQ        1126          Unf           0
## 198          No          GLQ        1036          LwQ         184
## 199          No          Unf           0          Unf           0
## 200          Av          GLQ        1088          Unf           0
## 201          No          Unf           0          Unf           0
## 202          No          ALQ         641          LwQ         279
## 203          No          LwQ         617          Unf           0
## 204          Av          GLQ         662          Unf           0
## 205          No          LwQ         312          Unf           0
## 206          No          Unf           0          Unf           0
## 207          No          Unf           0          Unf           0
## 208          No          ALQ         419          Rec         306
## 209          Gd          GLQ        1065          Unf           0
## 210          No          Rec         787          Unf           0
## 211          No          Rec         468          Unf           0
## 212          Mn          GLQ          36          Unf           0
## 213          No          GLQ         822          Unf           0
## 214          No          ALQ         716          Unf           0
## 215          No          GLQ         378          Unf           0
## 216          No          BLQ         360          Unf           0
## 217          Mn          GLQ         946          Unf           0
## 218          No          Unf           0          Unf           0
## 219          No          BLQ         341          Unf           0
## 220          Av          GLQ          16          Unf           0
## 221          Mn          Unf           0          Unf           0
## 222          No          Unf           0          Unf           0
## 223          No          ALQ         550          Unf           0
## 224          No          ALQ         524          LwQ         180
## 225          Gd          GLQ          56          Unf           0
## 226          No          Unf           0          Unf           0
## 227          No          GLQ         565          Unf           0
## 228          No          Rec         321          Unf           0
## 229          No          ALQ         842          Unf           0
## 230          Av          GLQ          16          Unf           0
## 231          No          Unf           0          Unf           0
## 232          No          GLQ         689          Unf           0
## 233          No          Unf           0          Unf           0
## 234          Av          LwQ         182          ALQ         712
## 235          No          GLQ         625          Unf           0
## 236          No          ALQ         358          Unf           0
## 237          Av          GLQ          24          Unf           0
## 238          No          BLQ         402          Unf           0
## 239          No          Unf           0          Unf           0
## 240          No          LwQ          94          Unf           0
## 241          Av          GLQ        1078          Unf           0
## 242          No          ALQ         329          Unf           0
```

```
## 243            No          Unf           0          Unf           0
## 244            No          Unf           0          Unf           0
## 245            No          GLQ         695          Unf           0
## 246            Av          GLQ         929          Unf           0
## 247            No          Unf           0          Unf           0
## 248            No          Unf           0          Unf           0
## 249            No          Unf           0          Unf           0
## 250            Gd          Rec         697          Unf           0
## 251            No          Unf           0          Unf           0
## 252            Gd          GLQ        1573          Unf           0
## 253            No          Unf           0          Unf           0
## 254            Gd          LwQ         270          ALQ         580
## 255            No          Rec         922          Unf           0
## 256            No          Unf           0          Unf           0
## 257            No          Rec         503          Unf           0
## 258            No          GLQ        1334          Unf           0
## 259            No          GLQ         361          Unf           0
## 260          <NA>        <NA>          0        <NA>            0
## 261            Gd          Rec         672          ALQ         690
## 262            No          Unf           0          Unf           0
## 263            Av          ALQ         506          Unf           0
## 264            No          LwQ         234          ALQ         692
## 265            No          Unf           0          Unf           0
## 266            No          GLQ         588          LwQ         228
## 267            Av          GLQ         714          Unf           0
## 268            No          LwQ         378          Unf           0
## 269            No          ALQ         403          Rec         125
## 270            No          BLQ         751          Unf           0
## 271            Mn          Unf           0          Unf           0
## 272            Gd          LwQ         226          GLQ        1063
## 273            No          GLQ         524          Unf           0
## 274            No          Rec         620          LwQ         620
## 275            Gd          ALQ         546          Unf           0
## 276            No          Unf           0          Unf           0
## 277            No          Unf           0          Unf           0
## 278            No          LwQ         120          Unf           0
## 279            Gd          Unf           0          Unf           0
## 280            No          BLQ         392          Unf           0
## 281            Av          GLQ         421          Unf           0
## 282            No          GLQ         905          Unf           0
## 283            No          GLQ         904          Unf           0
## 284            No          Unf           0          Unf           0
## 285            No          GLQ         430          Unf           0
## 286            No          Unf           0          Unf           0
## 287            No          Rec         600          Unf           0
## 288            No          BLQ         614          Unf           0
## 289            No          BLQ         450          Unf           0
## 290            No          Unf           0          Unf           0
## 291            Av          Unf           0          Unf           0
## 292            No          Rec         210          Unf           0
## 293            No          LwQ         292          Unf           0
## 294            No          ALQ         795          Unf           0
## 295            No          GLQ        1285          Unf           0
## 296            Av          GLQ         819          Unf           0
```

```
## 297          No          BLQ        420          Unf          0
## 298          No          BLQ        649          Unf          0
## 299          No          ALQ        384          Rec        175
## 300          No          Unf          0          Unf          0
## 301          Mn          BLQ        841          Unf          0
## 302          No          GLQ        281          Unf          0
## 303          No          Unf          0          Unf          0
## 304          No          ALQ        894          Unf          0
## 305          No          Unf          0          Unf          0
## 306          No          GLQ       1464          Unf          0
## 307          No          ALQ        700          Unf          0
## 308          No          Unf          0          Unf          0
## 309          No          BLQ        262          Unf          0
## 310          Gd          GLQ       1274          Unf          0
## 311          No          ALQ        518          Unf          0
## 312          No          ALQ        680          Unf          0
## 313          Mn          Rec        507          Unf          0
## 314          Gd          ALQ       1236          Rec        820
## 315          No          LwQ         16          Unf          0
## 316          No          GLQ        425          Unf          0
## 317          No          GLQ        692          Unf          0
## 318          Av          Unf          0          Unf          0
## 319          Gd          GLQ        987          Unf          0
## 320          Av          GLQ       1036          Unf          0
## 321          Av          Unf          0          Unf          0
## 322          Av          GLQ        970          Unf          0
## 323          Gd          LwQ         28          ALQ       1474
## 324          No          ALQ        256          Unf          0
## 325          No          Unf          0          Unf          0
## 326          Av          BLQ        116          Unf          0
## 327          Gd          GLQ       1619          Unf          0
## 328          No          Rec        565          Unf          0
## 329          No          Unf          0          Unf          0
## 330          Mn          Unf          0          Unf          0
## 331          No          GLQ         40          Rec        264
## 332          No          Rec        846          Unf          0
## 333          No          GLQ       1124         <NA>        479
## 334          Av          GLQ        720          Unf          0
## 335          Gd          GLQ        828          Unf          0
## 336          Gd          ALQ       1249          BLQ        147
## 337          Gd          GLQ       1249          Unf          0
## 338          Av          GLQ        810          Unf          0
## 339          Mn          ALQ        213          Unf          0
## 340          No          Rec        585          Unf          0
## 341          No          Unf          0          Unf          0
## 342          No          Unf          0          Unf          0
## 343        <NA>        <NA>           0         <NA>          0
## 344          No          GLQ         28          Unf          0
## 345          No          Rec        129          BLQ        232
## 346          No          Unf          0          Unf          0
## 347          Mn          BLQ        498          Unf          0
## 348          No          BLQ       1270          Unf          0
## 349          No          GLQ        573          Unf          0
## 350          No          GLQ       1410          Unf          0
```

```
## 351          No          Unf          0          Unf          0
## 352          Gd          GLQ       1082          Unf          0
## 353          Mn          LwQ        236          Rec        380
## 354          No          Unf          0          Unf          0
## 355          No          LwQ        388          Unf          0
## 356          No          ALQ        334          BLQ        544
## 357          No          GLQ        560          Unf          0
## 358          No          ALQ        874          Unf          0
## 359          Av          BLQ        300          Rec        294
## 360          Av          GLQ        956          Unf          0
## 361          Av          GLQ        773          Unf          0
## 362          No          Rec        399          Unf          0
## 363        <NA>        <NA>          0        <NA>          0
## 364          No          ALQ        162          Unf          0
## 365          Mn          GLQ        712          Unf          0
## 366          No          Rec        456          Unf          0
## 367          No          BLQ        609          Unf          0
## 368          Gd          GLQ        371          Unf          0
## 369          No          LwQ        540          Unf          0
## 370          No          ALQ         72          Rec        258
## 371          No          Unf          0          Unf          0
## 372        <NA>        <NA>          0        <NA>          0
## 373          No          ALQ        623          LwQ        121
## 374          No          BLQ        428          LwQ        180
## 375          No          Unf          0          Unf          0
## 376          Gd          BLQ        350          Unf          0
## 377          Av          GLQ        298          Unf          0
## 378          No          Unf          0          Unf          0
## 379          Av          GLQ       1445          Unf          0
## 380          No          Unf          0          Unf          0
## 381          No          LwQ        218          Unf          0
## 382          No          Unf          0          Unf          0
## 383          Av          Unf          0          Unf          0
## 384          No          Unf          0          Unf          0
## 385          Av          GLQ        985          Unf          0
## 386          No          GLQ         24          Unf          0
## 387          No          Unf          0          Unf          0
## 388          Av          ALQ        631          Unf          0
## 389          No          Unf          0          Unf          0
## 390          Av          GLQ       1280          Unf          0
## 391          No          Rec        241          BLQ        391
## 392          No          ALQ        690          Unf          0
## 393        <NA>        <NA>          0        <NA>          0
## 394          No          Rec        266          Unf          0
## 395          No          Unf          0          Unf          0
## 396          Av          BLQ        739          Unf          0
## 397          Av          Rec        777          Unf          0
## 398          No          ALQ        540          Unf          0
## 399          No          Unf          0          Unf          0
## 400          No          GLQ        812          Unf          0
## 401          No          GLQ        786          Unf          0
## 402          Av          GLQ         24          Unf          0
## 403          No          Unf          0          Unf          0
## 404          No          Unf          0          Unf          0
```

```
## 405          No          Unf           0          Unf           0
## 406          No          BLQ        1116          Unf           0
## 407          No          Unf           0          Unf           0
## 408          No          Unf           0          Unf           0
## 409          No          Unf           0          Unf           0
## 410          No          GLQ         789          Unf           0
## 411          No          Unf           0          Unf           0
## 412          Mn          Rec        1056          Unf           0
## 413          Av          GLQ         578          Unf           0
## 414          No          Unf           0          Unf           0
## 415          No          BLQ          50          GLQ         531
## 416          Av          GLQ          24          Unf           0
## 417          No          ALQ         209          Unf           0
## 418          No          BLQ        1128          Unf           0
## 419          No          ALQ         312          Unf           0
## 420          No          BLQ         775          Unf           0
## 421          Gd          GLQ        1309          Unf           0
## 422          No          ALQ        1246          Unf           0
## 423          No          Unf           0          Unf           0
## 424          No          GLQ         986          Unf           0
## 425          No          LwQ         616          Unf           0
## 426          No          Unf           0          Unf           0
## 427          Gd          GLQ        1518          Unf           0
## 428          No          Rec         288          Unf           0
## 429          No          GLQ         664          Unf           0
## 430          Mn          GLQ        1005          Unf           0
## 431          No          ALQ         387          Unf           0
## 432          No          Unf           0          Unf           0
## 433          No          ALQ         471          Unf           0
## 434          No          Unf           0          Unf           0
## 435          Av          ALQ         495          Unf           0
## 436          Av          GLQ         385          ALQ         344
## 437          No          Unf           0          Unf           0
## 438          No          Unf           0          Unf           0
## 439          No          LwQ         365          Unf           0
## 440          Mn          Unf           0          Unf           0
## 441          Gd          GLQ        1767          ALQ         539
## 442          No          ALQ         133          Unf           0
## 443          No          Unf           0          Unf           0
## 444          Av          Unf           0          Unf           0
## 445          No          GLQ         642          Unf           0
## 446          No          Unf           0          Unf           0
## 447          No          ALQ         247          Rec         713
## 448          No          Unf           0          Unf           0
## 449          No          Unf           0          Unf           0
## 450          No          ALQ         331          Unf           0
## 451          No          Unf           0          Unf           0
## 452          Gd          ALQ         655          Unf           0
## 453          No          ALQ         742          Unf           0
## 454          No          Unf           0          Unf           0
## 455          No          ALQ        1606          Unf           0
## 456          No          ALQ         916          Unf           0
## 457          No          Unf           0          Unf           0
## 458          Gd          BLQ        1116          Unf           0
```

```
## 459          No          Unf           0          Unf           0
## 460          No          LwQ         185          Unf           0
## 461          No          GLQ         544          Unf           0
## 462          No          ALQ         350          BLQ         210
## 463          No          Rec         553          BLQ         311
## 464          No          LwQ         326          Unf           0
## 465          No          Rec         616          Unf           0
## 466          No          Unf           0          Unf           0
## 467          Gd          GLQ         778          Unf           0
## 468          No          LwQ         386          Unf           0
## 469          No          Unf           0          Unf           0
## 470          No          GLQ         426          Unf           0
## 471          Av          GLQ         368          BLQ        1120
## 472          No          Unf           0          Unf           0
## 473          Gd          GLQ         459          Unf           0
## 474          Gd          GLQ        1350          Unf           0
## 475          Av          GLQ        1196          Unf           0
## 476          No          GLQ         630          Unf           0
## 477          Gd          GLQ         994          Unf           0
## 478          Av          Unf           0          Unf           0
## 479          Gd          GLQ        1288          Unf           0
## 480          No          Rec         168          Unf           0
## 481          Gd          GLQ        1261          Unf           0
## 482          Gd          GLQ        1567          Unf           0
## 483          No          ALQ         299          Unf           0
## 484          No          GLQ         897          Unf           0
## 485          No          ALQ         588          Unf           0
## 486          No          ALQ         607          Unf           0
## 487          No          ALQ         836          Unf           0
## 488          Av          ALQ         998          Unf           0
## 489          No          BLQ         664          Unf           0
## 490          Av          GLQ         515          Unf           0
## 491          Mn          Unf           0          Unf           0
## 492          No          BLQ         403          Rec         165
## 493          No          Unf           0          Unf           0
## 494          No          BLQ         374          LwQ         532
## 495          No          Unf           0          Unf           0
## 496          No          Rec         495          Unf           0
## 497          No          GLQ        1231          Unf           0
## 498          No          Rec         329          Unf           0
## 499          No          ALQ         450          Unf           0
## 500          No          BLQ         111          LwQ         279
## 501          No          BLQ         356          Unf           0
## 502          No          GLQ         400          Unf           0
## 503          No          ALQ         698          GLQ          96
## 504          No          ALQ        1247          Unf           0
## 505          No          ALQ         257          Rec         495
## 506          No          Unf           0          Unf           0
## 507          No          GLQ         380          Unf           0
## 508          No          GLQ          27          Unf           0
## 509          No          Rec         141          Unf           0
## 510          No          ALQ         991          Unf           0
## 511          No          BLQ         650          Rec         180
## 512          No          Unf           0          Unf           0
```

```
## 513          No          BLQ        521          LwQ        174
## 514          No          ALQ        336          Unf          0
## 515          No          Unf          0          Unf          0
## 516          No          GLQ       1436          Unf          0
## 517          No          Unf          0          Unf          0
## 518          No          Unf          0          Unf          0
## 519          Mn          GLQ        706          Unf          0
## 520          No          Unf          0          Unf          0
## 521        <NA>        <NA>           0        <NA>           0
## 522          No          Rec        777          Unf          0
## 523          No          ALQ        399          Unf          0
## 524          Gd          GLQ       2260          Unf          0
## 525          No          GLQ        719          Unf          0
## 526          No          Unf          0          Unf          0
## 527          No          Rec        377          Unf          0
## 528          Av          GLQ       1330          Unf          0
## 529          Mn          ALQ        348          Unf          0
## 530          No          Rec       1219          Unf          0
## 531          Av          GLQ        783          Unf          0
## 532          Mn          Unf          0          Unf          0
## 533        <NA>        <NA>           0        <NA>           0
## 534        <NA>        <NA>           0        <NA>           0
## 535          Av          Unf          0          Unf          0
## 536          Gd          GLQ        969          Unf          0
## 537          Av          Unf          0          Unf          0
## 538          No          BLQ        600          Unf          0
## 539          No          BLQ        673          Unf          0
## 540          Av          GLQ       1358          Unf          0
## 541          Av          GLQ       1260          Unf          0
## 542          No          Unf          0          Unf          0
## 543          No          LwQ        144          GLQ       1127
## 544          Av          GLQ        584          LwQ        139
## 545          Av          GLQ        554          Unf          0
## 546          No          GLQ       1002          LwQ        202
## 547          No          Rec        300          Unf          0
## 548          Av          ALQ        619          Unf          0
## 549          No          LwQ        180          Rec        645
## 550          No          Unf          0          Unf          0
## 551          No          ALQ        559          Unf          0
## 552          No          Rec        308          Unf          0
## 553          Av          Unf          0          Unf          0
## 554        <NA>        <NA>           0        <NA>           0
## 555          No          GLQ        866          Unf          0
## 556          No          Unf          0          Unf          0
## 557          No          Rec        895          Unf          0
## 558          No          Rec        637          Unf          0
## 559          Gd          GLQ        604          Unf          0
## 560          Gd          Unf          0          Unf          0
## 561          No          ALQ       1302          Unf          0
## 562          Av          ALQ       1071          LwQ        123
## 563          No          BLQ        290          Unf          0
## 564          Mn          Unf          0          Unf          0
## 565          No          GLQ        728          Unf          0
## 566          No          Unf          0          Unf          0
```

```
## 567          No          Unf           0          Unf           0
## 568          No          GLQ           2          Unf           0
## 569          Gd          GLQ        1441          Unf           0
## 570          Gd          GLQ         943          Unf           0
## 571          No          LwQ         231          Unf           0
## 572          No          BLQ         414          Unf           0
## 573          Av          Unf           0          Unf           0
## 574          No          Unf           0          Unf           0
## 575          Av          ALQ         349          Unf           0
## 576          No          Rec         442          Unf           0
## 577          No          Unf           0          Unf           0
## 578          Av          LwQ         328          ALQ         551
## 579          No          Unf           0          Unf           0
## 580          No          Unf           0          Unf           0
## 581          No          BLQ         594          Rec         219
## 582          No          Unf           0          Unf           0
## 583          Av          GLQ         816          Unf           0
## 584          No          Unf           0          Unf           0
## 585          No          Unf           0          Unf           0
## 586          Gd          GLQ        1460          Unf           0
## 587          Mn          Rec         210          ALQ         606
## 588          Av          ALQ         672          Unf           0
## 589          Gd          GLQ        1324          Unf           0
## 590          No          Unf           0          Unf           0
## 591          No          GLQ         490          Unf           0
## 592          Gd          GLQ        1338          Unf           0
## 593          No          GLQ         816          Unf           0
## 594          Av          GLQ         685          Unf           0
## 595          No          Unf           0          Unf           0
## 596          Gd          GLQ        1422          Unf           0
## 597          No          Unf           0          Unf           0
## 598          Av          Unf           0          Unf           0
## 599          Mn          ALQ        1283          LwQ         147
## 600          No          LwQ          81          GLQ         612
## 601          Av          GLQ         546          Unf           0
## 602          No          Unf           0          Unf           0
## 603          Mn          GLQ         789          Unf           0
## 604          No          Unf           0          Unf           0
## 605          Mn          GLQ         922          Unf           0
## 606          No          BLQ         454          Unf           0
## 607          No          GLQ         732          Unf           0
## 608          No          GLQ         603          Unf           0
## 609          Mn          BLQ         428          Unf           0
## 610          Mn          Rec         903          Unf           0
## 611          Mn          GLQ         904          Unf           0
## 612          Av          ALQ         605          Unf           0
## 613          Av          GLQ         990          Unf           0
## 614          No          ALQ         206          Unf           0
## 615          Av          LwQ         150          GLQ         480
## 616          Gd          GLQ         763          Unf           0
## 617          No          GLQ         457          Unf           0
## 618          No          Unf           0          Unf           0
## 619          Av          GLQ          48          Unf           0
## 620          Gd          GLQ         871          Unf           0
```

```
## 621          No          BLQ          41          Unf           0
## 622          No          ALQ         956          Rec         182
## 623          No          BLQ         560          Unf           0
## 624          No          GLQ         420          Unf           0
## 625          No          Rec         247          Unf           0
## 626          No          Unf           0          Unf           0
## 627          No          Unf           0          Unf           0
## 628          Av          BLQ         674          LwQ         132
## 629          Av          Rec         650          Unf           0
## 630          Gd          GLQ         624          Rec         336
## 631          No          Unf           0          Unf           0
## 632          Mn          GLQ          24          Unf           0
## 633          No          ALQ         822          Unf           0
## 634          No          BLQ         480          LwQ         468
## 635          No          GLQ        1056          Unf           0
## 636          No          LwQ         256          Unf           0
## 637          No          Unf           0          Unf           0
## 638          No          Unf           0          Unf           0
## 639          No          Unf           0          Unf           0
## 640          Av          GLQ        1154          Unf           0
## 641          Gd          GLQ        1218          Unf           0
## 642          No          GLQ         738          Unf           0
## 643          Gd          GLQ        1410          Unf           0
## 644          No          Rec         493          BLQ         287
## 645          Mn          GLQ        1121          Unf           0
## 646          No          ALQ         282          LwQ          35
## 647        <NA>        <NA>           0        <NA>           0
## 648          Mn          Rec         500          Unf           0
## 649          No          Unf           0          Unf           0
## 650          Av          BLQ         131          GLQ         499
## 651          No          Unf           0          Unf           0
## 652          Mn          Unf           0          Unf           0
## 653          No          Unf           0          Unf           0
## 654          No          Unf           0          Unf           0
## 655          Gd          GLQ        1696          Unf           0
## 656          No          Unf           0          Unf           0
## 657          No          ALQ         806          Unf           0
## 658          No          Unf           0          Unf           0
## 659          No          Unf           0          Unf           0
## 660          No          BLQ         637          Unf           0
## 661          No          Unf           0          Unf           0
## 662          No          GLQ        1361          Rec         180
## 663          No          Unf           0          Unf           0
## 664          Av          BLQ         920          Rec         180
## 665          Mn          GLQ        1721          Unf           0
## 666          No          Unf           0          Unf           0
## 667          No          LwQ         187          Rec         723
## 668          No          GLQ        1138          Unf           0
## 669          No          Rec         988          Unf           0
## 670          No          Unf           0          Unf           0
## 671          No          GLQ         193          Unf           0
## 672          No          BLQ         551          Unf           0
## 673          No          ALQ         767          Unf           0
## 674          No          GLQ        1186          Unf           0
```

```
## 675          No          Rec         892          Unf           0
## 676          No          ALQ         311          Unf           0
## 677          No          Unf           0          Unf           0
## 678          No          Unf           0          Unf           0
## 679          Mn          Unf           0          Unf           0
## 680          No          Rec         827          Unf           0
## 681          No          BLQ         543          BLQ         119
## 682          No          Rec         182          Unf           0
## 683          Mn          GLQ        1003          Unf           0
## 684          Av          GLQ        1059          Unf           0
## 685          No          Unf           0          Unf           0
## 686          Mn          GLQ         828          LwQ         182
## 687          No          Unf           0          Unf           0
## 688          No          GLQ         239          Unf           0
## 689          Av          GLQ         945          Unf           0
## 690          Av          ALQ          20          Unf           0
## 691          Gd          GLQ         697          Unf           0
## 692          Gd          GLQ        1455          Unf           0
## 693          Gd          GLQ         965          Unf           0
## 694          No          Unf           0          Unf           0
## 695          No          Unf           0          Unf           0
## 696          No          GLQ         980          LwQ          40
## 697          No          LwQ         616          Unf           0
## 698          Mn          LwQ         210          ALQ         551
## 699          No          GLQ         553          BLQ         117
## 700          Mn          GLQ          16          Unf           0
## 701          Gd          GLQ        1274          Unf           0
## 702          No          Unf           0          Unf           0
## 703          No          Unf           0          Unf           0
## 704          No          Unf           0          Unf           0
## 705          Av          GLQ         712          Unf           0
## 706        <NA>        <NA>            0        <NA>            0
## 707          Gd          GLQ        1219          Unf           0
## 708          No          GLQ         863          Unf           0
## 709          Av          Unf           0          Unf           0
## 710          No          Unf           0          Unf           0
## 711          No          Unf           0          Unf           0
## 712          Mn          Unf           0          Unf           0
## 713          Mn          GLQ         767          Unf           0
## 714          Av          ALQ         789          Unf           0
## 715          No          GLQ         533          Unf           0
## 716          No          Unf           0          Unf           0
## 717          No          Unf           0          Unf           0
## 718          No          BLQ        1084          Unf           0
## 719          Gd          GLQ        1173          Unf           0
## 720          Gd          ALQ         523          Unf           0
## 721          Gd          GLQ        1148          Unf           0
## 722          Av          GLQ         662          Unf           0
## 723          No          ALQ         191          Unf           0
## 724          No          Unf           0          Unf           0
## 725          No          GLQ        1234          Unf           0
## 726          No          ALQ         375          BLQ         239
## 727          No          GLQ         808          Unf           0
## 728          Av          GLQ         724          Unf           0
```

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## 729          No          Unf          0          Unf          0
## 730          No          BLQ        152          Unf          0
## 731          No          GLQ       1180          Unf          0
## 732          Av          GLQ        786          Unf          0
## 733          Av          ALQ        252          Unf          0
## 734          No          BLQ        594          Unf          0
## 735          No          Unf          0          Unf          0
## 736          Mn          Rec        390          Unf          0
## 737        <NA>        <NA>          0        <NA>          0
## 738          No          Unf          0          Unf          0
## 739          Gd          GLQ       1200          Unf          0
## 740          No          Unf          0          Unf          0
## 741          No          Unf          0          Unf          0
## 742          Mn          GLQ        832          Unf          0
## 743          No          Unf          0          Unf          0
## 744          Av          ALQ        444          Unf          0
## 745          No          GLQ        733          Unf          0
## 746          No          GLQ        575          ALQ         80
## 747          No          GLQ        300          Unf          0
## 748          No          Unf          0          Unf          0
## 749          No          GLQ        919          Unf          0
## 750        <NA>        <NA>          0        <NA>          0
## 751          No          Unf          0          Unf          0
## 752          No          Unf          0          Unf          0
## 753          Gd          GLQ       1200          Unf          0
## 754          Mn          Unf          0          Unf          0
## 755          No          GLQ        439          LwQ        472
## 756          No          GLQ        381          Unf          0
## 757          Av          GLQ         20          Unf          0
## 758          Mn          Rec        438          Unf          0
## 759          No          ALQ        549          Unf          0
## 760          Av          LwQ         56          ALQ         64
## 761          No          Rec        612          Unf          0
## 762          Mn          LwQ        405          Unf          0
## 763          Mn          GLQ         24          Unf          0
## 764          Mn          GLQ       1163          Unf          0
## 765          Av          LwQ        437          GLQ       1057
## 766          No          Unf          0          Unf          0
## 767          No          GLQ        394          Unf          0
## 768          Mn          ALQ        660          Unf          0
## 769          No          GLQ         24          Unf          0
## 770          Gd          ALQ       1416          Unf          0
## 771          Av          GLQ        685          Unf          0
## 772          No          LwQ        836          Unf          0
## 773          Av          ALQ        422          BLQ        127
## 774          No          Rec        456          Unf          0
## 775          Av          Unf          0          Unf          0
## 776          No          GLQ        866          Unf          0
## 777          Av          GLQ         20          Unf          0
## 778          No          ALQ        762          Unf          0
## 779        <NA>        <NA>          0        <NA>          0
## 780          Gd          GLQ        975          Unf          0
## 781          No          Unf          0          Unf          0
## 782          No          ALQ        387          Unf          0
```

```
## 783          No          Unf          0          Unf          0
## 784          Av          GLQ       1097          Unf          0
## 785          No          Unf          0          Unf          0
## 786          No          Rec        251          LwQ        630
## 787          No          LwQ        686          Unf          0
## 788          No          GLQ        656          Unf          0
## 789          No          Unf          0          Unf          0
## 790          Gd          LwQ        568          Unf          0
## 791          No          GLQ         16          Unf          0
## 792          Av          ALQ        539          Unf          0
## 793          Av          GLQ        862          Unf          0
## 794          Av          Unf          0          Unf          0
## 795          No          Unf          0          Unf          0
## 796          No          Unf          0          Unf          0
## 797          No          Unf          0          Unf          0
## 798          No          BLQ        570          Unf          0
## 799          No          Unf          0          Unf          0
## 800          No          ALQ        569          Unf          0
## 801          Gd          GLQ        462          Unf          0
## 802          No          LwQ        197          Unf          0
## 803          Av          GLQ        648          Unf          0
## 804          Gd          Unf          0          Unf          0
## 805          No          LwQ        812          Unf          0
## 806          No          Unf          0          Unf          0
## 807          Av          ALQ        400          Rec        480
## 808          Gd          GLQ       1309          Unf          0
## 809          Av          ALQ        516          BLQ        128
## 810          No          Unf          0          Unf          0
## 811          No          ALQ        663          LwQ        377
## 812          Gd          GLQ        662          Unf          0
## 813          Av          Unf          0          Unf          0
## 814          No          Rec        608          Unf          0
## 815          No          Unf          0          Unf          0
## 816          No          Unf          0          Unf          0
## 817          No          BLQ        486          Unf          0
## 818          No          GLQ       1218          Unf          0
## 819          Av          GLQ        504          Unf          0
## 820          Mn          GLQ        733          Unf          0
## 821          No          Unf          0          Unf          0
## 822          No          Unf          0          Unf          0
## 823          Gd          Unf          0          Unf          0
## 824          No          Unf          0          Unf          0
## 825          No          Unf          0          Unf          0
## 826          Av          GLQ       1636          Unf          0
## 827          No          ALQ        784          Unf          0
## 828          No          GLQ         20          Unf          0
## 829          Gd          LwQ        249          ALQ        764
## 830          No          Unf          0          Unf          0
## 831          No          Rec       1040          Unf          0
## 832          No          Unf          0          Unf          0
## 833          No          GLQ        483          Unf          0
## 834          No          Rec        196          BLQ        345
## 835          No          Rec        572          Unf          0
## 836          No          BLQ        442          Unf          0
```

```
## 837          No          Rec        338          Unf          0
## 838          No          BLQ        330          Unf          0
## 839          No          Unf          0          Unf          0
## 840          No          BLQ        352          Unf          0
## 841          No          BLQ        156          Unf          0
## 842          No          Unf          0          Unf          0
## 843          Gd          Rec        312          ALQ        539
## 844          No          Unf          0          Unf          0
## 845          Mn          Unf          0          Unf          0
## 846          Gd          ALQ       1390          Unf          0
## 847          No          ALQ        513          Unf          0
## 848          Av          BLQ        460          Unf          0
## 849          No          Unf          0          Unf          0
## 850          No          Unf          0          Unf          0
## 851          Av          GLQ        659          Unf          0
## 852          Gd          Unf          0          Unf          0
## 853          No          Rec        364          Unf          0
## 854          Gd          Rec        564          Unf          0
## 855          Mn          ALQ        306          Rec       1085
## 856          No          ALQ        659          Unf          0
## 857          Gd          GLQ        505          LwQ        435
## 858          No          Unf          0          Unf          0
## 859          No          Unf          0          Unf          0
## 860          Mn          BLQ        619          Unf          0
## 861          No          Unf          0          Unf          0
## 862          Mn          BLQ        841          Unf          0
## 863          No          GLQ        338          Unf          0
## 864          No          BLQ       1148          Unf          0
## 865          No          Unf          0          Unf          0
## 866          No          BLQ        828          Unf          0
## 867          Av          Unf          0          Unf          0
## 868          No          ALQ        932          Unf          0
## 869        <NA>        <NA>           0        <NA>           0
## 870          No          GLQ        750          Unf          0
## 871          No          Unf          0          Unf          0
## 872          No          GLQ        505          Unf          0
## 873          Av          Unf          0          Unf          0
## 874          No          Rec        375          Unf          0
## 875          No          Unf          0          Unf          0
## 876          Av          GLQ         64          Unf          0
## 877          Gd          ALQ        633          Unf          0
## 878          No          GLQ       1170          Unf          0
## 879          Av          ALQ        899          Unf          0
## 880          No          ALQ        646          Unf          0
## 881          No          ALQ        980          Unf          0
## 882          Mn          LwQ        902          Unf          0
## 883          No          Unf          0          Unf          0
## 884          No          Unf          0          Unf          0
## 885          No          BLQ        432          Unf          0
## 886          Av          GLQ       1238          Unf          0
## 887          No          LwQ        528          Unf          0
## 888          No          Unf          0          Unf          0
## 889          Gd          ALQ        351          Rec        823
## 890          No          BLQ       1024          Unf          0
```

```
## 891          Mn          Unf          0          Unf          0
## 892          No          LwQ        226          Rec        500
## 893          No          GLQ        663          Unf          0
## 894          Mn          BLQ       1064          Unf          0
## 895        <NA>        <NA>          0        <NA>          0
## 896          No          BLQ        400          Unf          0
## 897          No          ALQ        285          Unf          0
## 898        <NA>        <NA>          0        <NA>          0
## 899          Gd          GLQ       2188          Unf          0
## 900          No          BLQ        465          Unf          0
## 901          No          ALQ        322          Unf          0
## 902          Mn          BLQ        860          Unf          0
## 903          No          Unf          0          Unf          0
## 904          No          Unf          0          Unf          0
## 905          No          GLQ        599          Unf          0
## 906          No          Rec        354          LwQ        290
## 907          No          GLQ         63          Unf          0
## 908          No          Rec        223          Unf          0
## 909          Av          BLQ        301          ALQ        324
## 910          No          Unf          0          Unf          0
## 911          No          Rec        443          Unf          0
## 912          Av          ALQ        196          Unf          0
## 913          No          Rec        489          Unf          0
## 914          No          BLQ        284          Unf          0
## 915          Av          GLQ        294          Unf          0
## 916          No          Unf          0          Unf          0
## 917          Av          BLQ         50          Unf          0
## 918          No          ALQ       1059          Unf          0
## 919          Mn          BLQ         48          GLQ        634
## 920          No          ALQ        528          BLQ        411
## 921          No          GLQ        814          Unf          0
## 922          No          ALQ       1084          Unf          0
## 923          No          GLQ         28          Unf          0
## 924          No          LwQ        165          GLQ        841
## 925          No          BLQ        625          LwQ       1061
## 926          Av          ALQ        767          LwQ         93
## 927          No          Unf          0          Unf          0
## 928          No          BLQ        552          Unf          0
## 929          Av          Unf          0          Unf          0
## 930          No          Unf          0          Unf          0
## 931          Av          GLQ         16          Unf          0
## 932          No          BLQ        338          Rec        466
## 933          No          Unf          0          Unf          0
## 934          Av          GLQ         20          Unf          0
## 935          Gd          GLQ        425          Unf          0
## 936          Mn          Unf          0          Unf          0
## 937          No          GLQ        833          Unf          0
## 938          Mn          GLQ        341          Unf          0
## 939          Mn          GLQ        464          Unf          0
## 940          Mn          Unf          0          Unf          0
## 941          Gd          Rec        936          LwQ        396
## 942          No          ALQ        772          Unf          0
## 943          Gd          GLQ       1440          Unf          0
## 944          Av          Unf          0          Unf          0
```

```
## 945          No          GLQ        111          Rec        354
## 946          No          LwQ       1088          Unf          0
## 947          Av          ALQ        748          BLQ        294
## 948          Av          GLQ       1300          Unf          0
## 949        <NA>          Unf          0          Unf          0
## 950          No          ALQ        982          Unf          0
## 951          No          ALQ        398          BLQ        149
## 952          No          BLQ        641          Unf          0
## 953          Av          GLQ        660          Unf          0
## 954          Av          ALQ        562          LwQ        193
## 955          Gd          GLQ        945          Unf          0
## 956          No          Rec        484          Unf          0
## 957          No          ALQ        285          Unf          0
## 958          No          Rec        417          Unf          0
## 959          Mn          GLQ        699          Unf          0
## 960          No          ALQ        604          Unf          0
## 961          Gd          BLQ        696          Unf          0
## 962          No          ALQ        896          Unf          0
## 963          No          ALQ        556          Unf          0
## 964          No          Unf          0          Unf          0
## 965          No          GLQ        624          Unf          0
## 966          No          Unf          0          Unf          0
## 967          No          Rec        428          Unf          0
## 968          No          ALQ        902          Unf          0
## 969          No          Unf          0          Unf          0
## 970          Gd          ALQ        513          Unf          0
## 971          No          Unf          0          Unf          0
## 972          No          GLQ        567          Unf          0
## 973          No          Unf          0          Unf          0
## 974          No          Unf          0          Unf          0
## 975          No          Unf          0          Unf          0
## 976          No          GLQ        641          Unf          0
## 977          No          Unf          0          Unf          0
## 978          No          GLQ       1106          Unf          0
## 979          No          LwQ        552          Unf          0
## 980          No          Rec        651          Unf          0
## 981          Av          ALQ        867          Unf          0
## 982          No          GLQ        854          Unf          0
## 983          Av          Unf          0          Unf          0
## 984          Mn          Unf          0          Unf          0
## 985        <NA>        <NA>           0        <NA>           0
## 986          No          ALQ       1040          Unf          0
## 987          No          Unf          0          Unf          0
## 988          Av          GLQ       1646          Unf          0
## 989          No          LwQ        156          Unf          0
## 990          No          Unf          0          Unf          0
## 991          No          GLQ       1074          Unf          0
## 992          No          BLQ        216          Unf          0
## 993          Gd          BLQ        536          Rec        117
## 994          No          Unf          0          Unf          0
## 995          Gd          GLQ       1172          Unf          0
## 996          No          ALQ        384          Unf          0
## 997          No          Rec        915          Unf          0
## 998          No          Unf          0          Unf          0
```

```
## 999          No          Unf           0          Unf           0
## 1000         Av          GLQ         686          Unf           0
## 1001       <NA>        <NA>           0        <NA>            0
## 1002         No          Unf           0          Unf           0
## 1003         No          GLQ          24          Unf           0
## 1004         No          Unf           0          Unf           0
## 1005         No          GLQ          16          Unf           0
## 1006         Av          GLQ         595          Unf           0
## 1007         No          LwQ        1237          Unf           0
## 1008         No          BLQ         273          LwQ         273
## 1009         Mn          Unf           0          Unf           0
## 1010         No          Unf           0          Unf           0
## 1011         No          Unf           0          Unf           0
## 1012       <NA>        <NA>           0        <NA>            0
## 1013         No          Unf           0          Unf           0
## 1014         No          ALQ         247          Rec         465
## 1015         No          BLQ         336          Unf           0
## 1016         No          GLQ         643          Unf           0
## 1017         Gd          GLQ         690          Unf           0
## 1018         Av          GLQ        1036          Unf           0
## 1019         No          Unf           0          Unf           0
## 1020         Gd          GLQ          16          Unf           0
## 1021         No          GLQ        1024          Unf           0
## 1022         Av          GLQ         684          Unf           0
## 1023         No          LwQ         324          Unf           0
## 1024         No          GLQ          16          Unf           0
## 1025         Av          ALQ        1165          LwQ         400
## 1026         No          LwQ         138          Rec         468
## 1027         No          Rec         697          Unf           0
## 1028         Gd          GLQ        1513          Unf           0
## 1029         No          Rec         368          BLQ          41
## 1030         No          BLQ         317          Unf           0
## 1031         Mn          Unf           0          Unf           0
## 1032         No          GLQ         523          Unf           0
## 1033         No          GLQ        1012          Unf           0
## 1034         No          GLQ         986          Unf           0
## 1035         No          Unf           0          Unf           0
## 1036       <NA>        <NA>           0        <NA>            0
## 1037         Gd          GLQ        1022          Unf           0
## 1038         No          Unf           0          Unf           0
## 1039         No          Unf           0          Unf           0
## 1040         Av          GLQ         509          Unf           0
## 1041         No          Rec         168          BLQ         682
## 1042         No          GLQ         400          Rec          64
## 1043         Av          ALQ         900          Unf           0
## 1044         No          GLQ        1085          Unf           0
## 1045         No          ALQ        1104          Unf           0
## 1046       <NA>        <NA>           0        <NA>            0
## 1047         Av          GLQ         240          Unf           0
## 1048         No          GLQ         686          Unf           0
## 1049       <NA>        <NA>           0        <NA>            0
## 1050       <NA>        <NA>           0        <NA>            0
## 1051         Av          Unf           0          Unf           0
## 1052         Av          Unf           0          Unf           0
```

```
## 1053          No          Rec        442          Unf          0
## 1054          Av          Rec        383          Unf          0
## 1055          Mn          GLQ        932          Unf          0
## 1056          No          ALQ        644          Unf          0
## 1057          Av          GLQ        659          Unf          0
## 1058          No          GLQ        595          Unf          0
## 1059          Av          GLQ        936          Unf          0
## 1060          Mn          Rec        297          LwQ        557
## 1061          Mn          GLQ        616          Unf          0
## 1062          No          Unf          0          Unf          0
## 1063          No          Unf          0          Unf          0
## 1064          No          BLQ        397          Unf          0
## 1065          Mn          BLQ        740          Rec        230
## 1066          Gd          GLQ       1201          Unf          0
## 1067          No          Unf          0          Unf          0
## 1068          Gd          GLQ        674          LwQ        106
## 1069          No          ALQ        837          Unf          0
## 1070          No          ALQ        220          Unf          0
## 1071          No          BLQ        586          Unf          0
## 1072          No          Rec        298          Unf          0
## 1073          Mn          Unf          0          Unf          0
## 1074          No          BLQ        535          Unf          0
## 1075          Av          Unf          0          Unf          0
## 1076          No          BLQ        410          Unf          0
## 1077          No          ALQ        626          Unf          0
## 1078          Mn          BLQ         75          Rec        791
## 1079          Mn          GLQ        662          Unf          0
## 1080          No          GLQ        495          Unf          0
## 1081          No          ALQ        656          Unf          0
## 1082          No          ALQ        824          Unf          0
## 1083          No          Unf          0          Unf          0
## 1084          No          BLQ        553          Unf          0
## 1085          No          ALQ        592          Unf          0
## 1086          Av          GLQ        747          Unf          0
## 1087          No          BLQ        334          Unf          0
## 1088          Mn          Unf          0          Unf          0
## 1089          No          Unf          0          Unf          0
## 1090          No          GLQ       1039          Unf          0
## 1091        <NA>        <NA>          0        <NA>           0
## 1092          No          BLQ        510          Unf          0
## 1093          No          Rec        423          Unf          0
## 1094          Mn          GLQ        661          Unf          0
## 1095          No          BLQ        248          Rec        240
## 1096          No          GLQ         24          Unf          0
## 1097          No          Unf          0          Unf          0
## 1098          No          Unf          0          Unf          0
## 1099          No          BLQ        672          Unf          0
## 1100          No          ALQ        704          Unf          0
## 1101          No          Rec        290          Unf          0
## 1102          No          BLQ        412          LwQ        287
## 1103          No          Rec        588          Unf          0
## 1104          Mn          ALQ        655          Unf          0
## 1105          No          Unf          0          Unf          0
## 1106          Av          GLQ       1032          Unf          0
```

```
## 1107           Mn          GLQ        738          Unf          0
## 1108           No          Unf          0          Unf          0
## 1109           No          Unf          0          Unf          0
## 1110           Mn          GLQ       1039          Unf          0
## 1111           No          GLQ        219          Unf          0
## 1112           No          ALQ        403          Unf          0
## 1113           No          GLQ        708          Unf          0
## 1114           No          BLQ        643          Unf          0
## 1115           No          Rec        415          Unf          0
## 1116           No          GLQ       1004          Unf          0
## 1117           No          GLQ        353          Unf          0
## 1118           No          BLQ        702          Unf          0
## 1119           No          Unf          0          Unf          0
## 1120           No          LwQ        369          Unf          0
## 1121           No          Unf          0          Unf          0
## 1122           Av          GLQ         24          Unf          0
## 1123           No          Unf          0          Unf          0
## 1124           No          Unf          0          Unf          0
## 1125           No          Unf          0          Unf          0
## 1126           No          Unf          0          Unf          0
## 1127           No          Unf          0          Unf          0
## 1128           Av          GLQ       1300          Unf          0
## 1129           Av          Unf          0          Unf          0
## 1130           Gd          GLQ        936          Unf          0
## 1131           No          BLQ        622          Unf          0
## 1132           Mn          BLQ        212          Unf          0
## 1133           Mn          Unf          0          Unf          0
## 1134           No          GLQ        584          Unf          0
## 1135           Av          Unf          0          Unf          0
## 1136           No          Unf          0          Unf          0
## 1137           No          BLQ        280          Unf          0
## 1138           No          Unf          0          Unf          0
## 1139           Gd          ALQ       1567          Unf          0
## 1140           No          BLQ        645          Unf          0
## 1141           Mn          ALQ        852          Unf          0
## 1142           No          ALQ        381          Unf          0
## 1143           Gd          GLQ       1150          Unf          0
## 1144           No          GLQ        288          Unf          0
## 1145           No          BLQ        348          Unf          0
## 1146           No          Unf          0          Unf          0
## 1147           No          GLQ       1258          Unf          0
## 1148           No          Rec        275          Unf          0
## 1149           No          Unf          0          Unf          0
##      BsmtUnfSF TotalBsmtSF Heating HeatingQC CentralAir Electrical
## 1          150         856    GasA        Ex          Y      SBrkr
## 2          284        1262    GasA        Ex          Y      SBrkr
## 3          434         920    GasA        Ex          Y      SBrkr
## 4          540         756    GasA        Gd          Y      SBrkr
## 5          490        1145    GasA        Ex          Y      SBrkr
## 6           64         796    GasA        Ex          Y      SBrkr
## 7          317        1686    GasA        Ex          Y      SBrkr
## 8          216        1107    GasA        Ex          Y      SBrkr
## 9          952         952    GasA        Gd          Y      FuseF
## 10         140         991    GasA        Ex          Y      SBrkr
```

```
## 11   134  1040  GasA  Ex  Y  SBrkr
## 12   177  1175  GasA  Ex  Y  SBrkr
## 13   175   912  GasA  TA  Y  SBrkr
## 14  1494  1494  GasA  Ex  Y  SBrkr
## 15   520  1253  GasA  TA  Y  SBrkr
## 16   832   832  GasA  Ex  Y  FuseA
## 17   426  1004  GasA  Ex  Y  SBrkr
## 18     0     0  GasA  TA  Y  SBrkr
## 19   468  1114  GasA  Ex  Y  SBrkr
## 20   525  1029  GasA  TA  Y  SBrkr
## 21  1158  1158  GasA  Ex  Y  SBrkr
## 22   637   637  GasA  Ex  Y  FuseF
## 23  1777  1777  GasA  Ex  Y  SBrkr
## 24   200  1040  GasA  TA  Y  SBrkr
## 25   204  1060  GasA  Ex  Y  SBrkr
## 26  1566  1566  GasA  Ex  Y  SBrkr
## 27   180   900  GasA  TA  Y  SBrkr
## 28   486  1704  GasA  Ex  Y  SBrkr
## 29   207  1484  GasA  TA  Y  SBrkr
## 30   520   520  GasA  Fa  N  SBrkr
## 31   649   649  GasA  TA  N  SBrkr
## 32  1228  1228  GasA  Gd  Y  SBrkr
## 33  1234  1234  GasA  Ex  Y  SBrkr
## 34   380  1398  GasA  Gd  Y  SBrkr
## 35   408  1561  GasA  Ex  Y  SBrkr
## 36  1117  1117  GasA  Ex  Y  SBrkr
## 37  1097  1097  GasA  Ex  Y  SBrkr
## 38    84  1297  GasA  Gd  Y  SBrkr
## 39   326  1057  GasA  TA  Y  SBrkr
## 40     0     0  GasA  TA  N  FuseP
## 41   445  1088  GasA  Ex  Y  SBrkr
## 42   383  1350  GasA  Gd  Y  SBrkr
## 43     0   840  GasA  Gd  Y  SBrkr
## 44   167   938  GasA  TA  Y  SBrkr
## 45   465  1150  GasA  Ex  Y  FuseA
## 46  1296  1752  GasA  Ex  Y  SBrkr
## 47    83  1434  GasA  Ex  Y  SBrkr
## 48  1632  1656  GasA  Ex  Y  SBrkr
## 49   736   736  GasA  Gd  Y  SBrkr
## 50   192   955  GasA  Ex  Y  SBrkr
## 51   612   794  GasA  Gd  Y  SBrkr
## 52   816   816  GasA  TA  Y  SBrkr
## 53     0   816  GasA  TA  N  SBrkr
## 54    32  1842  GasA  Gd  Y  SBrkr
## 55     0   384  GasA  TA  Y  SBrkr
## 56   935  1425  GasA  Gd  Y  SBrkr
## 57   321   970  GasA  Ex  Y  SBrkr
## 58   860   860  GasA  Ex  Y  SBrkr
## 59  1410  1410  GasA  Ex  Y  SBrkr
## 60   148   780  GasA  Ex  Y  SBrkr
## 61   217  1158  GasA  Ex  Y  SBrkr
## 62   530   530  GasA  TA  N  SBrkr
## 63  1346  1370  GasA  Ex  Y  SBrkr
## 64   576   576  GasA  Gd  Y  SBrkr
```

```
## 65         318        1057    GasA        Ex          Y      SBrkr
## 66        1143        1143    GasA        Ex          Y      SBrkr
## 67        1035        1947    GasA        TA          Y      SBrkr
## 68         440        1453    GasA        Ex          Y      SBrkr
## 69         747         747    GasA        TA          Y      SBrkr
## 70         701        1304    GasW        TA          Y      SBrkr
## 71         343        2223    GasA        Ex          Y      SBrkr
## 72         280         845    GasA        TA          Y      SBrkr
## 73         832         832    GasA        Gd          Y      SBrkr
## 74         404        1086    GasA        Gd          Y      SBrkr
## 75         840         840    GasA        Gd          N      SBrkr
## 76           0         462    GasA        TA          Y      SBrkr
## 77         724         952    GasA        Ex          Y      FuseA
## 78         295         672    GasA        TA          Y      SBrkr
## 79        1768        1768    GasA        TA          N      SBrkr
## 80         440         440    GasA        Gd          Y      SBrkr
## 81         448         896    GasA        TA          Y      SBrkr
## 82          36        1237    GasA        Ex          Y      SBrkr
## 83        1530        1563    GasA        Ex          Y      SBrkr
## 84        1065        1065    GasA        Gd          Y      SBrkr
## 85         384         384    GasA        Gd          Y      SBrkr
## 86        1288        1288    GasA        Ex          Y      SBrkr
## 87         684         684    GasA        Ex          Y      SBrkr
## 88         612         612    GasA        Ex          Y      SBrkr
## 89        1013        1013    GasA        TA          N      SBrkr
## 90         402         990    GasA        Ex          Y      SBrkr
## 91           0           0    GasA        TA          Y      FuseA
## 92         635        1235    GasA        TA          Y      SBrkr
## 93         163         876    GasA        Ex          Y      SBrkr
## 94         168        1214    GasW        Ex          N      SBrkr
## 95         176         824    GasA        Ex          Y      SBrkr
## 96         370         680    GasA        Gd          Y      SBrkr
## 97         426        1588    GasA        Ex          Y      SBrkr
## 98         440         960    GasA        TA          Y      FuseF
## 99         350         458    GasA        Fa          N      SBrkr
## 100        381         950    GasA        Fa          Y      SBrkr
## 101        410        1610    GasA        Gd          Y      SBrkr
## 102        741         741    GasA        TA          Y      SBrkr
## 103          0           0    GasA        TA          Y      SBrkr
## 104       1226        1226    GasA        Ex          Y      SBrkr
## 105        816        1040    GasA        Ex          Y      FuseF
## 106       1053        1053    GasA        Ex          Y      SBrkr
## 107        641         641    GasA        Gd          Y      SBrkr
## 108        516         789    GasA        Ex          Y      SBrkr
## 109        793         793    GasW        TA          N      FuseF
## 110       1139        1844    GasA        Ex          Y      SBrkr
## 111        550         994    GasA        Gd          Y      SBrkr
## 112        134         384    GasA        Ex          Y      SBrkr
## 113        280        1264    GasA        Ex          Y      SBrkr
## 114        905        1809    GasA        TA          Y      SBrkr
## 115        104        1028    GasA        Ex          Y      SBrkr
## 116        310         729    GasA        Gd          Y      SBrkr
## 117        252        1092    GasA        TA          Y      SBrkr
## 118       1125        1125    GasA        Gd          Y      SBrkr
```

```
## 119        203        1673    GasA        Gd          Y      SBrkr
## 120        728         728    GasA        Ex          Y      SBrkr
## 121          0         938    GasA        Ex          Y      SBrkr
## 122        732         732    GasA        Gd          Y      SBrkr
## 123        510        1080    GasA        Gd          Y      SBrkr
## 124        899        1199    GasA        Ex          Y      SBrkr
## 125       1362        1362    GasA        TA          Y      SBrkr
## 126         30         520    GasA        Gd          N      SBrkr
## 127        958        1078    GasA        TA          Y      SBrkr
## 128        556         672    GasA        Ex          Y      SBrkr
## 129        148         660    GasA        TA          Y      SBrkr
## 130        413        1008    GasA        TA          Y      FuseA
## 131        479         924    GasA        Ex          Y      SBrkr
## 132        297         992    GasA        Ex          Y      SBrkr
## 133        658        1063    GasA        Gd          Y      SBrkr
## 134        262        1267    GasA        Ex          Y      SBrkr
## 135        891        1461    GasA        Gd          Y      SBrkr
## 136       1304        1304    GasA        Gd          Y      SBrkr
## 137        519        1214    GasA        TA          Y      SBrkr
## 138       1907        1907    GasA        Gd          Y      SBrkr
## 139        336        1004    GasA        Ex          Y      SBrkr
## 140        107         928    GasA        Ex          Y      SBrkr
## 141        432         864    GasA        TA          Y      SBrkr
## 142        434        1734    GasA        Ex          Y      SBrkr
## 143        403         910    GasA        Fa          Y      SBrkr
## 144        811        1490    GasA        Ex          Y      SBrkr
## 145        396        1728    GasA        TA          Y      SBrkr
## 146        970         970    GasA        Ex          Y      SBrkr
## 147        506         715    GasA        TA          Y      FuseA
## 148        884         884    GasA        Ex          Y      SBrkr
## 149        400        1080    GasA        Ex          Y      SBrkr
## 150        896         896    GasA        Gd          Y      FuseA
## 151        253         969    GasA        TA          Y      SBrkr
## 152        310        1710    GasA        Ex          Y      SBrkr
## 153        409         825    GasA        Gd          Y      SBrkr
## 154         93        1602    GasA        Gd          Y      SBrkr
## 155       1200        1200    GasA        TA          Y      FuseA
## 156        572         572    Grav        Fa          N      FuseF
## 157          0           0    GasA        TA          Y      FuseF
## 158        774         774    GasA        Ex          Y      SBrkr
## 159        769         991    GasA        Ex          Y      SBrkr
## 160       1335        1392    GasA        Ex          Y      SBrkr
## 161        572        1232    GasA        TA          Y      SBrkr
## 162        556        1572    GasA        Ex          Y      SBrkr
## 163        340        1541    GasA        Ex          Y      SBrkr
## 164        882         882    GasA        Ex          Y      SBrkr
## 165        779        1149    GasA        Gd          Y      FuseA
## 166        112         644    GasA        Gd          Y      SBrkr
## 167        470        1617    GasA        Ex          Y      FuseA
## 168        294        1582    GasA        Ex          Y      SBrkr
## 169        840         840    GasA        Ex          Y      SBrkr
## 170       1686        1686    GasA        TA          Y      SBrkr
## 171        360         720    GasA        TA          Y      SBrkr
## 172        441        1080    GasA        Fa          Y      SBrkr
```

```
## 173   354  1064  GasA  Gd  Y  SBrkr
## 174   700  1362  GasA  TA  Y  SBrkr
## 175     0  1606  GasA  TA  Y  SBrkr
## 176   725  1202  GasA  TA  Y  SBrkr
## 177   320  1151  GasA  TA  Y  SBrkr
## 178   554  1052  GasA  Ex  Y  SBrkr
## 179   312  2216  GasA  Ex  Y  SBrkr
## 180   968   968  GasA  TA  Y  SBrkr
## 181   320   756  GasA  Ex  Y  SBrkr
## 182   441   793  GasA  Gd  Y  SBrkr
## 183     0     0  GasA  Ex  Y  SBrkr
## 184  1362  1362  GasA  Ex  Y  SBrkr
## 185   504   504  GasA  Gd  Y  SBrkr
## 186  1107  1107  GasA  Ex  Y  SBrkr
## 187   577  1188  GasA  Ex  Y  SBrkr
## 188   660   660  GasA  Ex  Y  SBrkr
## 189     0  1086  GasA  TA  Y  SBrkr
## 190   440  1593  GasA  Ex  Y  SBrkr
## 191   556   853  GasA  TA  Y  SBrkr
## 192    99   725  GasA  Gd  Y  SBrkr
## 193   871  1431  GasA  Ex  Y  SBrkr
## 194   970   970  GasA  Ex  Y  SBrkr
## 195   474   864  GasA  TA  Y  SBrkr
## 196   289   855  GasA  TA  Y  SBrkr
## 197   600  1726  GasA  Ex  Y  SBrkr
## 198   140  1360  GasA  Gd  Y  SBrkr
## 199   755   755  GasA  Ex  Y  SBrkr
## 200   625  1713  GasA  Ex  Y  SBrkr
## 201  1121  1121  GasA  Ex  Y  SBrkr
## 202   276  1196  GasA  TA  Y  SBrkr
## 203     0   617  GasA  Gd  Y  SBrkr
## 204   186   848  GasA  Ex  Y  SBrkr
## 205   408   720  GasA  TA  Y  SBrkr
## 206  1424  1424  GasA  Ex  Y  SBrkr
## 207  1140  1140  GasA  TA  Y  SBrkr
## 208   375  1100  GasA  TA  Y  SBrkr
## 209    92  1157  GasA  Ex  Y  SBrkr
## 210   305  1092  GasA  Ex  Y  SBrkr
## 211   396   864  GasA  TA  N  FuseA
## 212  1176  1212  GasA  Ex  Y  SBrkr
## 213    78   900  GasA  Ex  Y  SBrkr
## 214   274   990  GasA  Ex  Y  SBrkr
## 215   311   689  GasA  Ex  Y  SBrkr
## 216   710  1070  GasA  TA  Y  SBrkr
## 217   490  1436  GasA  Ex  Y  SBrkr
## 218   686   686  GasA  Fa  N  SBrkr
## 219   457   798  GasA  Ex  Y  SBrkr
## 220  1232  1248  GasA  Ex  Y  SBrkr
## 221  1498  1498  GasA  Ex  Y  SBrkr
## 222  1010  1010  GasA  Ex  Y  SBrkr
## 223   163   713  GasA  TA  Y  SBrkr
## 224   160   864  GasA  Gd  Y  SBrkr
## 225  2336  2392  GasA  Ex  Y  SBrkr
## 226   630   630  GasA  TA  Y  SBrkr
```

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## 227        638        1203    GasA        Ex          Y      SBrkr
## 228        162         483    GasA        TA          Y      SBrkr
## 229         70         912    GasA        TA          Y      SBrkr
## 230       1357        1373    GasA        Ex          Y      SBrkr
## 231       1194        1194    GasA        TA          Y      SBrkr
## 232        773        1462    GasA        Ex          Y      SBrkr
## 233        483         483    GasA        TA          Y      SBrkr
## 234          0         894    GasA        TA          Y      SBrkr
## 235        235         860    GasA        Ex          Y      SBrkr
## 236        125         483    GasA        TA          Y      SBrkr
## 237       1390        1414    GasA        Ex          Y      SBrkr
## 238        594         996    GasA        Ex          Y      SBrkr
## 239       1694        1694    GasA        Ex          Y      SBrkr
## 240        641         735    GasA        TA          Y      FuseA
## 241        488        1566    GasA        Ex          Y      SBrkr
## 242        357         686    GasA        Gd          Y      SBrkr
## 243        540         540    GasA        Gd          N      FuseA
## 244        626         626    GasA        TA          Y      SBrkr
## 245        253         948    GasA        Ex          Y      SBrkr
## 246        916        1845    GasA        Gd          Y      SBrkr
## 247       1020        1020    GasA        Gd          N      FuseP
## 248       1367        1367    GasA        Ex          Y      SBrkr
## 249        840         840    GasA        Ex          Y      SBrkr
## 250        747        1444    GasA        Gd          Y      SBrkr
## 251        728         728    GasA        Ex          Y      SBrkr
## 252          0        1573    GasA        Ex          Y      SBrkr
## 253        798         798    GasA        Ex          Y      SBrkr
## 254        452        1302    GasA        Ex          Y      SBrkr
## 255        392        1314    GasA        TA          Y      SBrkr
## 256        975         975    GasA        Ex          Y      SBrkr
## 257        361         864    GasA        Ex          Y      SBrkr
## 258        270        1604    GasA        Ex          Y      SBrkr
## 259        602         963    GasA        Ex          Y      SBrkr
## 260          0           0    GasA        Gd          Y      FuseA
## 261          0        1362    GasA        TA          Y      SBrkr
## 262       1482        1482    GasA        Ex          Y      SBrkr
## 263          0         506    GasA        TA          Y      SBrkr
## 264          0         926    GasA        TA          Y      SBrkr
## 265        680         680    GasA        Gd          N      FuseP
## 266        606        1422    GasA        TA          Y      SBrkr
## 267         88         802    GasA        Gd          Y      SBrkr
## 268        342         720    GasA        Ex          Y      SBrkr
## 269        212         740    GasA        Ex          Y      SBrkr
## 270        392        1143    GasA        TA          Y      SBrkr
## 271       1095        1095    GasA        Gd          Y      SBrkr
## 272         96        1385    GasA        Ex          Y      SBrkr
## 273        628        1152    GasA        Ex          Y      SBrkr
## 274          0        1240    GasA        Gd          Y      SBrkr
## 275        270         816    GasA        TA          Y      SBrkr
## 276        952         952    GasW        Gd          N      SBrkr
## 277       1560        1560    GasA        Ex          Y      SBrkr
## 278        744         864    GasA        Ex          Y      SBrkr
## 279       2121        2121    GasA        Ex          Y      SBrkr
## 280        768        1160    GasA        Ex          Y      SBrkr
```

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## 281   386   807  GasA  Gd  Y  SBrkr
## 282   357  1262  GasA  Gd  Y  SBrkr
## 283   410  1314  GasA  Ex  Y  SBrkr
## 284  1468  1468  GasA  Ex  Y  SBrkr
## 285  1145  1575  GasA  Gd  Y  SBrkr
## 286   625   625  GasA  Ex  Y  SBrkr
## 287   312   912  GasA  TA  Y  SBrkr
## 288   244   858  GasA  TA  Y  SBrkr
## 289   432   882  GasA  TA  Y  SBrkr
## 290   698   698  GasA  Ex  Y  FuseA
## 291  1079  1079  GasA  Ex  Y  SBrkr
## 292   570   780  GasA  Ex  N  SBrkr
## 293   476   768  GasA  Gd  Y  SBrkr
## 294     0   795  GasA  Fa  Y  SBrkr
## 295   131  1416  GasA  TA  Y  SBrkr
## 296   184  1003  GasA  TA  Y  SBrkr
## 297   490   910  GasA  TA  Y  FuseA
## 298   326   975  GasA  Ex  Y  SBrkr
## 299   143   702  GasA  Gd  Y  SBrkr
## 300  1092  1092  GasA  Ex  Y  SBrkr
## 301   324  1165  GasA  TA  Y  SBrkr
## 302   747  1028  GasA  Ex  Y  SBrkr
## 303  1541  1541  GasA  Ex  Y  SBrkr
## 304     0   894  GasA  TA  Y  SBrkr
## 305  1470  1470  GasA  Ex  Y  SBrkr
## 306   536  2000  GasA  Ex  Y  SBrkr
## 307     0   700  GasA  Gd  Y  SBrkr
## 308   319   319  GasA  TA  Y  FuseA
## 309   599   861  GasA  Ex  Y  SBrkr
## 310   622  1896  GasA  Ex  Y  SBrkr
## 311   179   697  GasA  Gd  Y  SBrkr
## 312   292   972  GasA  Ex  Y  SBrkr
## 313   286   793  GasA  TA  Y  SBrkr
## 314    80  2136  GasW  TA  Y  SBrkr
## 315   712   728  GasA  Ex  Y  SBrkr
## 316   291   716  GasA  Ex  Y  SBrkr
## 317   153   845  GasA  TA  Y  SBrkr
## 318  1088  1088  GasA  Ex  Y  SBrkr
## 319   360  1347  GasA  Ex  Y  SBrkr
## 320   336  1372  GasA  TA  Y  SBrkr
## 321  1249  1249  GasA  Ex  Y  SBrkr
## 322   166  1136  GasA  Ex  Y  SBrkr
## 323     0  1502  GasA  Ex  Y  SBrkr
## 324   906  1162  GasA  Ex  Y  SBrkr
## 325   710   710  GasA  Ex  Y  SBrkr
## 326   604   720  GasA  Po  N  FuseF
## 327   100  1719  GasA  Ex  Y  SBrkr
## 328   818  1383  GasA  TA  Y  SBrkr
## 329   844   844  GasA  Gd  N  FuseA
## 330   596   596  GasA  TA  N  SBrkr
## 331  1424  1728  GasA  TA  Y  SBrkr
## 332   210  1056  GasA  Fa  Y  SBrkr
## 333  1603  3206  GasA  Ex  Y  SBrkr
## 334   638  1358  GasA  Ex  Y  SBrkr
```

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## 335   115   943  GasA  Gd  Y  SBrkr
## 336   103  1499  GasA  Ex  Y  SBrkr
## 337   673  1922  GasA  Ex  Y  SBrkr
## 338   726  1536  GasA  Ex  Y  SBrkr
## 339   995  1208  GasA  Ex  Y  SBrkr
## 340   630  1215  GasA  TA  Y  FuseA
## 341   967   967  GasA  Ex  Y  SBrkr
## 342   721   721  GasA  Gd  Y  SBrkr
## 343     0     0  Wall  Fa  N  FuseA
## 344  1656  1684  GasA  Ex  Y  SBrkr
## 345   175   536  GasA  TA  Y  SBrkr
## 346   972   972  GasA  Gd  Y  SBrkr
## 347   460   958  GasA  TA  Y  SBrkr
## 348   208  1478  GasA  Ex  Y  FuseA
## 349   191   764  GasA  Ex  Y  SBrkr
## 350   438  1848  GasA  Ex  Y  SBrkr
## 351  1869  1869  GasA  Ex  Y  SBrkr
## 352   371  1453  GasA  Gd  Y  SBrkr
## 353     0   616  GasA  TA  N  SBrkr
## 354   624   624  GasA  Gd  Y  SBrkr
## 355   552   940  GasA  Ex  Y  SBrkr
## 356   322  1200  GasA  Ex  Y  SBrkr
## 357   598  1158  GasA  Gd  Y  SBrkr
## 358   268  1142  GasA  TA  Y  SBrkr
## 359   468  1062  GasA  Ex  Y  FuseF
## 360   130  1086  GasA  Ex  Y  SBrkr
## 361   115   888  GasA  Ex  Y  SBrkr
## 362   484   883  GasA  Gd  Y  SBrkr
## 363     0     0  GasA  Ex  Y  SBrkr
## 364   321   483  GasA  Gd  Y  SBrkr
## 365    84   796  GasA  TA  Y  SBrkr
## 366   216   672  GasA  Gd  Y  FuseA
## 367   785  1394  GasA  Gd  Y  SBrkr
## 368   728  1099  GasA  Gd  Y  SBrkr
## 369   728  1268  GasA  Gd  Y  SBrkr
## 370   733  1063  GasA  Ex  Y  SBrkr
## 371   953   953  GasA  Ex  Y  SBrkr
## 372     0     0  GasA  TA  Y  SBrkr
## 373     0   744  GasA  TA  Y  SBrkr
## 374     0   608  GasA  TA  Y  SBrkr
## 375   847   847  GasA  Ex  Y  SBrkr
## 376   333   683  GasA  Gd  N  FuseA
## 377   572   870  GasA  Ex  Y  SBrkr
## 378  1580  1580  GasA  Ex  Y  SBrkr
## 379   411  1856  GasA  Ex  Y  SBrkr
## 380   982   982  GasA  Ex  Y  SBrkr
## 381   808  1026  GasA  TA  Y  SBrkr
## 382  1293  1293  GasA  Ex  Y  SBrkr
## 383   939   939  GasA  Ex  Y  SBrkr
## 384   784   784  GasA  TA  N  FuseA
## 385   595  1580  GasA  Ex  Y  SBrkr
## 386  1232  1256  GasA  Ex  Y  SBrkr
## 387   658   658  GasA  TA  Y  SBrkr
## 388   410  1041  GasA  Ex  Y  SBrkr
```

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## 389       1468        1468    GasA        Ex          Y      SBrkr
## 390        402        1682    GasA        Ex          Y      SBrkr
## 391        229         861    GasA        Ex          Y      SBrkr
## 392        114         804    GasA        Ex          Y      SBrkr
## 393          0           0    GasA        TA          Y      SBrkr
## 394        522         788    GasA        TA          Y      FuseA
## 395        735         735    GasA        Gd          Y      FuseA
## 396        405        1144    GasA        TA          Y      SBrkr
## 397        117         894    GasA        TA          Y      SBrkr
## 398        324         864    GasA        TA          Y      SBrkr
## 399        961         961    GasA        Gd          Y        Mix
## 400        280        1092    GasA        Ex          Y      SBrkr
## 401        474        1260    GasA        Ex          Y      SBrkr
## 402       1286        1310    GasA        Ex          Y      SBrkr
## 403        672         672    GasA        Ex          Y      SBrkr
## 404       1141        1141    GasA        Gd          Y      SBrkr
## 405        806         806    GasA        Gd          Y      SBrkr
## 406        165        1281    GasA        Ex          Y      SBrkr
## 407       1064        1064    GasA        Ex          Y      FuseA
## 408        840         840    GasA        Ex          Y      SBrkr
## 409       1063        1063    GasA        Ex          Y      SBrkr
## 410        245        1034    GasA        Ex          Y      SBrkr
## 411       1276        1276    GasA        TA          Y      FuseA
## 412          0        1056    GasA        TA          N      SBrkr
## 413        892        1470    GasA        Ex          Y      SBrkr
## 414       1008        1008    GasA        Gd          Y      FuseA
## 415        499        1080    GasA        Ex          Y      SBrkr
## 416       1316        1340    GasA        Ex          Y      SBrkr
## 417        463         672    GasA        TA          Y      SBrkr
## 418        242        1370    GasW        TA          N      FuseA
## 419        444         756    GasA        Fa          N      FuseF
## 420        281        1056    GasA        Ex          Y      SBrkr
## 421         35        1344    GasA        Ex          Y      SBrkr
## 422        356        1602    GasA        Gd          Y      SBrkr
## 423        988         988    GasA        Ex          Y      FuseA
## 424        484        1470    GasA        Gd          Y      SBrkr
## 425        580        1196    GasA        Gd          Y      FuseA
## 426        651         651    GasA        Gd          Y      SBrkr
## 427          0        1518    GasA        Gd          Y      SBrkr
## 428        619         907    GasA        Ex          Y      SBrkr
## 429        544        1208    GasA        Ex          Y      SBrkr
## 430        387        1392    GasA        TA          Y      SBrkr
## 431         96         483    GasA        TA          Y      SBrkr
## 432        901         901    GasA        Gd          Y      SBrkr
## 433        294         765    GasA        Ex          Y      SBrkr
## 434        926         926    GasA        Ex          Y      SBrkr
## 435        135         630    GasA        Gd          Y      SBrkr
## 436         70         799    GasA        Ex          Y      SBrkr
## 437        648         648    GasA        TA          Y      FuseA
## 438        884         884    GasA        Gd          Y      SBrkr
## 439         75         440    GasA        TA          N      SBrkr
## 440        684         684    GasA        Gd          Y      SBrkr
## 441        788        3094    GasA        Ex          Y      SBrkr
## 442       1307        1440    GasA        TA          N      FuseF
```

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## 443       1078         1078    GasA        TA          Y      SBrkr
## 444       1258         1258    GasA        Ex          Y      SBrkr
## 445        273          915    GasA        Ex          Y      SBrkr
## 446       1436         1436    GasA        Fa          Y      SBrkr
## 447        557         1517    GasA        Ex          Y      SBrkr
## 448        930          930    GasA        Gd          Y      SBrkr
## 449        780          780    GasA        TA          Y      SBrkr
## 450        318          649    GasA        Ex          Y      SBrkr
## 451        813          813    GasA        Ex          Y      FuseA
## 452        878         1533    GasA        TA          Y      SBrkr
## 453        130          872    GasA        Ex          Y      SBrkr
## 454        768          768    GasA        Ex          Y      SBrkr
## 455        122         1728    GasA        TA          Y      SBrkr
## 456        326         1242    GasA        Fa          Y      SBrkr
## 457        624          624    GasA        Fa          N      SBrkr
## 458        248         1364    GasA        Ex          Y      SBrkr
## 459        588          588    GasA        Fa          Y      SBrkr
## 460        524          709    GasA        TA          Y      SBrkr
## 461        288          832    GasA        Ex          Y      SBrkr
## 462          0          560    GasA        Ex          Y      SBrkr
## 463          0          864    GasA        Gd          Y      SBrkr
## 464        389          715    GasA        Fa          Y      FuseA
## 465        424         1040    GasA        TA          Y      SBrkr
## 466       1375         1375    GasA        Ex          Y      SBrkr
## 467        499         1277    GasA        TA          Y      SBrkr
## 468        342          728    GasA        Ex          Y      SBrkr
## 469       1626         1626    GasA        Ex          Y      SBrkr
## 470        406          832    GasA        Ex          Y      SBrkr
## 471          0         1488    GasA        TA          Y      SBrkr
## 472        808          808    GasA        TA          Y      SBrkr
## 473         88          547    GasA        Ex          Y      SBrkr
## 474        626         1976    GasA        Ex          Y      SBrkr
## 475        298         1494    GasA        Ex          Y      SBrkr
## 476        340          970    GasA        TA          Y      SBrkr
## 477        484         1478    GasA        Ex          Y      SBrkr
## 478       2153         2153    GasA        Ex          Y      SBrkr
## 479        417         1705    GasA        Ex          Y      SBrkr
## 480        739          907    GasA        TA          Y      SBrkr
## 481        572         1833    GasA        Ex          Y      SBrkr
## 482        225         1792    GasA        Ex          Y      SBrkr
## 483        611          910    GasA        Ex          Y      SBrkr
## 484        319         1216    GasA        Ex          Y      SBrkr
## 485        411          999    GasA        Gd          Y      SBrkr
## 486        506         1113    GasA        Gd          Y      SBrkr
## 487        237         1073    GasA        TA          Y      SBrkr
## 488        486         1484    GasA        Gd          Y      SBrkr
## 489        290          954    GasA        TA          N      FuseA
## 490        115          630    GasA        TA          Y      SBrkr
## 491        264          264    GasA        TA          Y      SBrkr
## 492        238          806    GasA        TA          Y      FuseA
## 493        728          728    GasA        Gd          Y      SBrkr
## 494        363         1269    GasA        TA          Y      FuseA
## 495        190          190    GasA        Gd          Y      FuseA
## 496        225          720    GasA        TA          N      FuseA
```

```
## 497       1969         3200    GasA        Ex          Y      SBrkr
## 498        697         1026    GasA        Ex          Y      SBrkr
## 499        414          864    GasA        Ex          Y      SBrkr
## 500        522          912    GasA        Fa          Y      SBrkr
## 501        316          672    GasA        TA          Y      SBrkr
## 502        466          866    GasA        Gd          Y      SBrkr
## 503        420         1214    GasA        Ex          Y      SBrkr
## 504        254         1501    GasA        TA          Y      SBrkr
## 505        103          855    GasA        TA          Y      SBrkr
## 506        960          960    GasA        Gd          Y      SBrkr
## 507        397          777    GasA        Ex          Y      SBrkr
## 508       1191         1218    GasA        Ex          Y      SBrkr
## 509        548          689    GasA        Ex          Y      SBrkr
## 510         50         1041    GasA        Ex          Y      SBrkr
## 511        178         1008    GasA        Ex          Y      SBrkr
## 512       1368         1368    GasA        Ex          Y      SBrkr
## 513        169          864    GasA        TA          Y      SBrkr
## 514        748         1084    GasA        TA          Y      SBrkr
## 515        768          768    Grav        Fa          N      SBrkr
## 516        570         2006    GasA        Ex          Y      SBrkr
## 517        689          689    GasA        TA          Y      SBrkr
## 518       1264         1264    GasA        Ex          Y      SBrkr
## 519         88          794    GasA        Ex          Y      SBrkr
## 520       1276         1276    GasA        Ex          Y      SBrkr
## 521          0            0    GasA        TA          N      FuseA
## 522        467         1244    GasA        Ex          Y      FuseA
## 523        605         1004    GasA        Ex          Y      SBrkr
## 524        878         3138    GasA        Ex          Y      SBrkr
## 525        660         1379    GasA        Ex          Y      SBrkr
## 526       1257         1257    GasA        Ex          Y      SBrkr
## 527        551          928    GasA        TA          Y      SBrkr
## 528        122         1452    GasA        Ex          Y      SBrkr
## 529        180          528    GasA        Ex          Y      SBrkr
## 530        816         2035    GasA        TA          Y      SBrkr
## 531        678         1461    GasA        Ex          Y      SBrkr
## 532        611          611    GasA        Ex          Y      SBrkr
## 533          0            0    GasA        Ex          Y      SBrkr
## 534          0            0    GasA        Fa          N      FuseF
## 535        707          707    GasA        Ex          Y      SBrkr
## 536        148         1117    GasA        TA          Y      SBrkr
## 537        880          880    GasA        Ex          Y      SBrkr
## 538        264          864    GasA        TA          Y      SBrkr
## 539        378         1051    GasA        TA          Y      SBrkr
## 540        223         1581    GasA        Ex          Y      SBrkr
## 541        578         1838    GasA        Ex          Y      SBrkr
## 542        969          969    GasA        Ex          Y      SBrkr
## 543        379         1650    GasA        Ex          Y      SBrkr
## 544          0          723    GasA        Ex          Y      SBrkr
## 545        100          654    GasA        Ex          Y      SBrkr
## 546          0         1204    GasA        Gd          Y      SBrkr
## 547        765         1065    GasA        Ex          Y      FuseA
## 548        149          768    GasA        Ex          Y      SBrkr
## 549          0          825    GasA        TA          Y      SBrkr
## 550        912          912    GasA        Ex          Y      SBrkr
```

```
## 551   510  1069  GasA  TA  Y  SBrkr
## 552   620   928  GasA  Gd  Y  FuseA
## 553  1709  1709  GasA  Ex  Y  SBrkr
## 554     0     0  GasA  Ex  Y  SBrkr
## 555   132   998  GasA  Ex  Y  SBrkr
## 556   993   993  GasA  TA  Y  FuseA
## 557   197  1092  GasA  TA  Y  FuseA
## 558     0   637  GasA  Gd  Y  SBrkr
## 559   125   729  GasA  Ex  Y  SBrkr
## 560  1374  1374  GasA  Ex  Y  SBrkr
## 561    90  1392  GasA  TA  Y  SBrkr
## 562   195  1389  GasA  Gd  Y  SBrkr
## 563   706   996  GasA  Ex  Y  SBrkr
## 564  1163  1163  GasA  Ex  Y  SBrkr
## 565   367  1095  GasA  Ex  Y  SBrkr
## 566   806   806  GasA  TA  N  FuseF
## 567  1122  1122  GasA  Ex  Y  SBrkr
## 568  1515  1517  GasA  Ex  Y  SBrkr
## 569    55  1496  GasA  Ex  Y  SBrkr
## 570     0   943  GasA  TA  Y  SBrkr
## 571  1497  1728  GasA  TA  Y  SBrkr
## 572   450   864  GasA  Ex  Y  SBrkr
## 573   846   846  GasA  Gd  Y  SBrkr
## 574   384   384  GasA  Ex  Y  SBrkr
## 575    23   372  GasA  TA  Y  SBrkr
## 576   390   832  GasA  TA  Y  SBrkr
## 577   861   861  GasA  Gd  Y  SBrkr
## 578   285  1164  GasA  Ex  Y  SBrkr
## 579   689   689  GasA  Ex  Y  SBrkr
## 580  1050  1050  GasA  Ex  N  FuseF
## 581   331  1144  GasA  Ex  Y  SBrkr
## 582  2042  2042  GasA  Ex  Y  SBrkr
## 583     0   816  GasA  TA  Y  SBrkr
## 584  1237  1237  GasA  Gd  Y  SBrkr
## 585   884   884  GasA  Ex  Y  SBrkr
## 586   408  1868  GasA  Ex  Y  SBrkr
## 587     0   816  GasA  Ex  Y  SBrkr
## 588   168   840  GasA  TA  Y  SBrkr
## 589   113  1437  GasA  Ex  Y  SBrkr
## 590   742   742  GasA  TA  Y  FuseA
## 591   280   770  GasA  Ex  Y  SBrkr
## 592   384  1722  GasA  Ex  Y  SBrkr
## 593     0   816  GasA  Ex  Y  SBrkr
## 594   163   848  GasA  Ex  Y  SBrkr
## 595   924   924  GasA  TA  Y  SBrkr
## 596   392  1814  GasA  Ex  Y  SBrkr
## 597   684   684  GasA  Ex  N  FuseA
## 598  1258  1258  GasA  Ex  Y  SBrkr
## 599     0  1430  GasA  Ex  Y  SBrkr
## 600    23   716  GasA  TA  Y  SBrkr
## 601   512  1058  GasA  Ex  Y  SBrkr
## 602   780   780  GasA  TA  Y  SBrkr
## 603   119   908  GasA  Ex  Y  SBrkr
## 604   600   600  GasA  Ex  Y  SBrkr
```

```
## 605        572        1494    GasA        Ex          Y      SBrkr
## 606        314         768    GasA        TA          Y      SBrkr
## 607        308        1040    GasA        Gd          Y      SBrkr
## 608        293         896    GasA        Ex          Y      SBrkr
## 609        537         965    GasA        TA          Y      SBrkr
## 610        126        1029    GasA        Gd          Y      SBrkr
## 611        536        1440    GasA        Ex          Y      SBrkr
## 612        427        1032    GasA        TA          Y      SBrkr
## 613        309        1299    GasA        Ex          Y      SBrkr
## 614        914        1120    GasA        Ex          Y      SBrkr
## 615          0         630    GasA        Ex          Y      SBrkr
## 616        173         936    GasA        Ex          Y      SBrkr
## 617        326         783    GasA        Ex          Y      SBrkr
## 618        832         832    GasA        Gd          Y      SBrkr
## 619       1774        1822    GasA        Ex          Y      SBrkr
## 620        611        1482    GasA        Ex          Y      SBrkr
## 621        823         864    GasA        TA          N      FuseF
## 622        384        1522    GasA        TA          Y      SBrkr
## 623        420         980    GasA        TA          Y      SBrkr
## 624        336         756    GasA        Ex          Y      SBrkr
## 625        485         732    GasA        Gd          Y      SBrkr
## 626       1116        1116    GasA        TA          Y      SBrkr
## 627        978         978    GasA        TA          Y      SBrkr
## 628        350        1156    GasA        Ex          Y      SBrkr
## 629        390        1040    GasA        TA          Y      SBrkr
## 630        288        1248    GasA        TA          Y      SBrkr
## 631        636         636    GasA        TA          Y      FuseA
## 632       1530        1554    GasA        Ex          Y      SBrkr
## 633        564        1386    GasA        TA          Y      SBrkr
## 634        108        1056    GasA        TA          Y      SBrkr
## 635          0        1056    GasA        Gd          Y      SBrkr
## 636       1184        1440    GasA        Ex          Y      FuseA
## 637        264         264    Grav        Fa          N      FuseA
## 638        811         811    GasA        TA          Y      FuseA
## 639        796         796    GasA        Gd          Y      FuseA
## 640        366        1520    GasA        Ex          Y      SBrkr
## 641        300        1518    GasA        Ex          Y      SBrkr
## 642        319        1057    GasA        Ex          Y      SBrkr
## 643        542        1952    GasA        Gd          Y      SBrkr
## 644          0         780    GasA        Ex          Y      SBrkr
## 645        645        1766    GasA        Ex          Y      SBrkr
## 646        664         981    GasA        TA          Y      SBrkr
## 647          0           0    GasA        Gd          Y      SBrkr
## 648        594        1094    GasA        Ex          Y      SBrkr
## 649        756         756    GasA        TA          Y      SBrkr
## 650          0         630    GasA        Gd          Y      SBrkr
## 651        813         813    GasA        Ex          Y      SBrkr
## 652        755         755    GasA        TA          Y      SBrkr
## 653        880         880    GasA        Ex          Y      SBrkr
## 654        756         756    GasA        Ex          Y      SBrkr
## 655        413        2109    GasA        Ex          Y      SBrkr
## 656        525         525    GasA        TA          Y      SBrkr
## 657        247        1053    GasA        Ex          Y      SBrkr
## 658        776         776    GasA        TA          Y      SBrkr
```

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## 659        912         912    GasA        TA          Y      SBrkr
## 660        849        1486    GasA        Ex          Y      SBrkr
## 661        793         793    GasA        TA          Y      SBrkr
## 662         88        1629    GasA        Ex          Y      SBrkr
## 663       1392        1392    GasA        Gd          Y      SBrkr
## 664         38        1138    GasA        TA          Y      SBrkr
## 665        356        2077    GasA        Ex          Y      SBrkr
## 666       1406        1406    GasA        Ex          Y      SBrkr
## 667        111        1021    GasA        TA          Y      SBrkr
## 668        270        1408    GasA        Ex          Y      SBrkr
## 669        200        1188    GasA        Gd          Y      SBrkr
## 670        700         700    GasA        Ex          Y      SBrkr
## 671        545         738    GasA        Ex          Y      SBrkr
## 672        121         672    GasA        TA          N      SBrkr
## 673        441        1208    GasA        TA          Y      SBrkr
## 674        291        1477    GasA        Ex          Y      SBrkr
## 675        244        1136    GasA        TA          Y      SBrkr
## 676        544         855    GasA        TA          Y      SBrkr
## 677       1095        1095    GasW        Fa          N      SBrkr
## 678        768         768    GasA        Ex          Y      SBrkr
## 679       2046        2046    GasA        Ex          Y      SBrkr
## 680        161         988    GasA        TA          Y      SBrkr
## 681        261         923    GasA        TA          Y      SBrkr
## 682        611         793    GasA        Ex          Y      SBrkr
## 683        288        1291    GasA        Ex          Y      SBrkr
## 684        567        1626    GasA        Ex          Y      SBrkr
## 685       1195        1195    GasA        Gd          Y      SBrkr
## 686        180        1190    GasA        Gd          Y      SBrkr
## 687        874         874    GasA        Ex          Y      SBrkr
## 688        312         551    GasA        Ex          Y      SBrkr
## 689        474        1419    GasA        Ex          Y      SBrkr
## 690       1342        1362    GasA        Ex          Y      SBrkr
## 691        151         848    GasA        Ex          Y      SBrkr
## 692        989        2444    GasA        Ex          Y      SBrkr
## 693        245        1210    GasA        Ex          Y      SBrkr
## 694       1073        1073    GasA        Ex          Y      SBrkr
## 695        927         927    GasA        TA          Y      SBrkr
## 696         92        1112    GasA        Gd          Y      SBrkr
## 697          0         616    GasA        Gd          Y      SBrkr
## 698        219         980    GasA        Fa          Y      FuseA
## 699        224         894    GasA        Ex          Y      SBrkr
## 700       1375        1391    GasA        Ex          Y      SBrkr
## 701        526        1800    GasA        Ex          Y      SBrkr
## 702       1164        1164    GasA        TA          Y      SBrkr
## 703       1234        1234    GasA        Ex          Y      SBrkr
## 704        360         360    GasA        Gd          Y      SBrkr
## 705        761        1473    GasA        Ex          Y      SBrkr
## 706          0           0    GasA        Fa          N      SBrkr
## 707        424        1643    GasA        TA          Y      SBrkr
## 708        461        1324    GasA        Ex          Y      SBrkr
## 709        728         728    GasA        Ex          Y      SBrkr
## 710        876         876    GasA        TA          Y      SBrkr
## 711        270         270    GasA        Gd          Y      SBrkr
## 712        859         859    GasA        Gd          Y      SBrkr
```

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## 713   461  1228  GasA  Gd  Y  SBrkr
## 714   171   960  GasW  TA  N  SBrkr
## 715   192   725  GasA  Ex  Y  SBrkr
## 716  1064  1064  GasA  TA  Y  SBrkr
## 717   718   718  GasA  Ex  Y  SBrkr
## 718    92  1176  GasA  Gd  Y  SBrkr
## 719   138  1311  GasA  Ex  Y  SBrkr
## 720   448   971  GasA  TA  Y  SBrkr
## 721   594  1742  GasA  TA  Y  SBrkr
## 722   186   848  GasA  Ex  Y  SBrkr
## 723   673   864  GasA  Ex  Y  SBrkr
## 724   941   941  GasA  Ex  Y  SBrkr
## 725   464  1698  GasA  Ex  Y  SBrkr
## 726   250   864  GasA  TA  Y  SBrkr
## 727    72   880  GasA  Ex  Y  SBrkr
## 728   508  1232  GasA  Ex  Y  SBrkr
## 729  1584  1584  GasA  TA  Y  SBrkr
## 730   628   780  GasA  TA  Y  FuseA
## 731   415  1595  GasA  Ex  Y  SBrkr
## 732    82   868  GasA  Ex  Y  SBrkr
## 733   901  1153  GasA  Ex  Y  SBrkr
## 734   270   864  GasA  Ex  Y  SBrkr
## 735   948   948  GasA  TA  Y  SBrkr
## 736   490   880  GasW  Fa  N  SBrkr
## 737     0     0  GasA  Gd  N  FuseF
## 738   893   893  GasA  Ex  Y  SBrkr
## 739     0  1200  GasA  TA  Y  SBrkr
## 740   864   864  GasA  Ex  Y  SBrkr
## 741   264   264  GasA  Ex  Y  SBrkr
## 742    80   912  GasA  Gd  Y  SBrkr
## 743  1349  1349  GasA  Ex  Y  SBrkr
## 744    76   520  GasA  Ex  Y  SBrkr
## 745   604  1337  GasA  Gd  Y  SBrkr
## 746   487  1142  GasA  Ex  Y  SBrkr
## 747   652   952  GasA  Ex  Y  SBrkr
## 748  1240  1240  GasW  TA  N  SBrkr
## 749   801  1720  GasA  Ex  Y  SBrkr
## 750     0     0  Wall  TA  N  FuseF
## 751   576   576  GasA  Gd  Y  SBrkr
## 752   660   660  GasA  Ex  Y  SBrkr
## 753   279  1479  GasA  Ex  Y  SBrkr
## 754  1030  1030  GasA  Gd  Y  SBrkr
## 755   115  1026  GasA  Gd  Y  SBrkr
## 756   348   729  GasA  Gd  Y  SBrkr
## 757   846   866  GasA  Ex  Y  SBrkr
## 758   234   672  GasA  TA  Y  SBrkr
## 759   195   744  GasA  Gd  Y  SBrkr
## 760  1198  1318  GasA  Ex  Y  SBrkr
## 761   252   864  GasA  Ex  Y  SBrkr
## 762   740  1145  GasA  TA  Y  SBrkr
## 763   732   756  GasA  Ex  Y  SBrkr
## 764    89  1252  GasA  Ex  Y  SBrkr
## 765     0  1494  GasA  Ex  Y  SBrkr
## 766  1498  1498  GasA  Ex  Y  SBrkr
```

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## 767   586   980  GasA  TA  Y  SBrkr
## 768   323   983  GasA  Ex  Y  SBrkr
## 769  1836  1860  GasA  Ex  Y  SBrkr
## 770   234  1650  GasA  Ex  Y  SBrkr
## 771   173   858  GasA  TA  Y  SBrkr
## 772     0   836  GasA  TA  Y  FuseF
## 773   480  1029  GasA  TA  Y  SBrkr
## 774   456   912  GasA  Ex  Y  FuseA
## 775  1935  1935  GasA  Gd  Y  SBrkr
## 776   338  1204  GasA  Ex  Y  SBrkr
## 777  1594  1614  GasA  Ex  Y  SBrkr
## 778   102   864  GasA  TA  Y  SBrkr
## 779     0     0  GasA  TA  Y  SBrkr
## 780     0   975  GasA  TA  Y  SBrkr
## 781  1237  1237  GasA  Gd  Y  SBrkr
## 782   374   761  GasA  Ex  Y  SBrkr
## 783  1413  1413  GasA  Ex  Y  SBrkr
## 784     0  1097  GasA  Ex  Y  SBrkr
## 785   742   742  GasA  Ex  Y  SBrkr
## 786   491  1372  GasA  TA  Y  SBrkr
## 787     0   686  GasA  TA  Y  SBrkr
## 788   300   956  GasA  Ex  Y  SBrkr
## 789   901   901  GasA  Ex  Y  SBrkr
## 790   264   832  GasA  Gd  Y  SBrkr
## 791  1129  1145  GasA  Ex  Y  SBrkr
## 792   490  1029  GasA  TA  Y  SBrkr
## 793   255  1117  GasA  Ex  Y  SBrkr
## 794  1496  1496  GasA  Ex  Y  SBrkr
## 795   712   712  GasA  Ex  Y  SBrkr
## 796   650   650  GasA  TA  Y  SBrkr
## 797   660   660  GasA  Ex  Y  SBrkr
## 798   203   773  GasA  Gd  Y  SBrkr
## 799  1926  1926  GasA  Ex  Y  SBrkr
## 800   162   731  GasA  Ex  Y  SBrkr
## 801   154   616  GasA  Gd  Y  SBrkr
## 802   999  1196  GasA  Ex  Y  FuseA
## 803    80   728  GasA  Ex  Y  SBrkr
## 804  1734  1734  GasA  Ex  Y  SBrkr
## 805   124   936  GasA  TA  Y  SBrkr
## 806  1417  1417  GasA  Ex  Y  SBrkr
## 807   100   980  GasA  Gd  Y  SBrkr
## 808    15  1324  GasA  Ex  Y  SBrkr
## 809   380  1024  GasA  TA  Y  SBrkr
## 810   849   849  GasA  TA  N  FuseA
## 811     0  1040  GasA  Fa  Y  SBrkr
## 812   186   848  GasA  Ex  Y  SBrkr
## 813   540   540  GasA  TA  N  FuseA
## 814   834  1442  GasA  Gd  Y  SBrkr
## 815   686   686  GasW  Gd  Y  SBrkr
## 816  1649  1649  GasA  Ex  Y  SBrkr
## 817   522  1008  GasA  Gd  Y  SBrkr
## 818   350  1568  GasA  Ex  Y  SBrkr
## 819   506  1010  GasA  Gd  Y  SBrkr
## 820   625  1358  GasA  Ex  Y  SBrkr
```

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## 821        798         798    GasA        Ex          Y      SBrkr
## 822        936         936    GasA        TA          N      SBrkr
## 823        847         847    GasA        Ex          Y      SBrkr
## 824        778         778    GasA        TA          Y      SBrkr
## 825       1489        1489    GasA        Ex          Y      SBrkr
## 826        442        2078    GasA        Ex          Y      SBrkr
## 827          0         784    GasA        Gd          Y      SBrkr
## 828       1434        1454    GasA        Ex          Y      SBrkr
## 829          0        1013    GasA        TA          Y      SBrkr
## 830        600         600    GasA        Ex          Y      SBrkr
## 831        352        1392    GasA        TA          Y      FuseA
## 832        600         600    GasA        Ex          Y      SBrkr
## 833        458         941    GasA        Ex          Y      SBrkr
## 834        975        1516    GasA        TA          Y      SBrkr
## 835        572        1144    GasA        Gd          Y      SBrkr
## 836        625        1067    GasA        TA          Y      SBrkr
## 837       1221        1559    GasA        Gd          Y      SBrkr
## 838        153         483    GasA        TA          Y      SBrkr
## 839       1099        1099    GasA        Ex          Y      SBrkr
## 840        416         768    GasA        Ex          Y      SBrkr
## 841        516         672    GasA        TA          N      SBrkr
## 842        650         650    GasA        Gd          Y      SBrkr
## 843        276        1127    GasA        TA          Y      SBrkr
## 844       1800        1800    GasA        Ex          N      SBrkr
## 845        876         876    GasA        Gd          Y      SBrkr
## 846          0        1390    GasA        TA          Y      SBrkr
## 847        227         740    GasA        Ex          Y      SBrkr
## 848        404         864    GasA        Ex          Y      SBrkr
## 849        907         907    GasA        TA          Y      SBrkr
## 850        528         528    GasA        Ex          Y      SBrkr
## 851        189         848    GasA        Ex          Y      SBrkr
## 852       1273        1273    GasA        Ex          Y      SBrkr
## 853        554         918    GasA        Gd          Y      SBrkr
## 854        563        1127    GasA        TA          Y      SBrkr
## 855        372        1763    GasA        TA          Y      SBrkr
## 856        381        1040    GasA        Ex          Y      SBrkr
## 857          0         940    GasA        TA          Y      SBrkr
## 858        702         702    GasA        Gd          Y      SBrkr
## 859       1090        1090    GasA        TA          Y      SBrkr
## 860        435        1054    GasA        TA          Y      SBrkr
## 861        912         912    GasA        Gd          Y      SBrkr
## 862        198        1039    GasA        Ex          Y      SBrkr
## 863        702        1040    GasA        TA          Y      SBrkr
## 864          0        1148    GasA        TA          Y      SBrkr
## 865       1372        1372    GasA        Ex          Y      SBrkr
## 866        174        1002    GasA        TA          Y      SBrkr
## 867       1638        1638    GasA        Ex          Y      SBrkr
## 868        108        1040    GasA        TA          Y      SBrkr
## 869          0           0    GasA        Gd          Y      SBrkr
## 870        300        1050    GasA        Ex          Y      SBrkr
## 871        894         894    GasA        Gd          N      SBrkr
## 872        299         804    GasA        Ex          Y      SBrkr
## 873        105         105    GasA        Gd          Y      SBrkr
## 874        457         832    GasA        Gd          Y      SBrkr
```

```
## 875        676         676    GasA        Ex          Y      SBrkr
## 876       1120        1184    GasA        Ex          Y      SBrkr
## 877        431        1064    GasA        Gd          Y      SBrkr
## 878        292        1462    GasA        Ex          Y      SBrkr
## 879        210        1109    GasA        TA          Y      SBrkr
## 880        218         864    GasA        Ex          Y      SBrkr
## 881        110        1090    GasA        Gd          Y      SBrkr
## 882        254        1156    GasA        Ex          Y      SBrkr
## 883        808         808    GasA        Gd          Y      SBrkr
## 884        795         795    GasA        TA          N      SBrkr
## 885        460         892    GasA        TA          Y      SBrkr
## 886        460        1698    GasA        Ex          Y      SBrkr
## 887       1098        1626    GasA        Ex          Y      SBrkr
## 888        816         816    GasA        TA          Y      SBrkr
## 889       1043        2217    GasA        Ex          Y      SBrkr
## 890        481        1505    GasA        Ex          Y      SBrkr
## 891        672         672    GasA        Ex          Y      SBrkr
## 892        192         918    GasA        Gd          Y      SBrkr
## 893        396        1059    GasA        TA          Y      SBrkr
## 894        319        1383    GasA        TA          Y      SBrkr
## 895          0           0    GasA        TA          Y      SBrkr
## 896        380         780    GasA        TA          Y      SBrkr
## 897        666         951    GasA        Ex          N      SBrkr
## 898          0           0    GasA        TA          Y      SBrkr
## 899        142        2330    GasA        Ex          Y      SBrkr
## 900        447         912    GasA        TA          Y      SBrkr
## 901        536         858    GasA        TA          Y      SBrkr
## 902        132         992    GasA        TA          Y      SBrkr
## 903        783         783    GasA        Ex          Y      SBrkr
## 904       1670        1670    GasA        Ex          Y      SBrkr
## 905        277         876    GasA        TA          Y      SBrkr
## 906        412        1056    GasA        TA          Y      SBrkr
## 907       1560        1623    GasA        Ex          Y      SBrkr
## 908        794        1017    GasA        Gd          Y      SBrkr
## 909        239         864    GasA        TA          Y      SBrkr
## 910        742         742    GasA        Ex          Y      SBrkr
## 911        662        1105    GasA        TA          Y      FuseA
## 912       1072        1268    GasA        TA          Y      SBrkr
## 913        279         768    GasA        TA          N      SBrkr
## 914        717        1001    GasA        TA          N      FuseA
## 915        318         612    GasA        Ex          Y      SBrkr
## 916        546         546    GasA        Fa          Y      SBrkr
## 917        430         480    GasA        TA          N      FuseA
## 918         75        1134    GasA        Ex          Y      FuseA
## 919        422        1104    GasA        Ex          Y      SBrkr
## 920        245        1184    GasA        Ex          Y      SBrkr
## 921        114         928    GasA        Ex          Y      SBrkr
## 922        188        1272    GasA        Gd          Y      SBrkr
## 923       1288        1316    GasA        Ex          Y      SBrkr
## 924        598        1604    GasA        Ex          Y      SBrkr
## 925          0        1686    GasA        TA          Y      SBrkr
## 926        266        1126    GasA        TA          Y      SBrkr
## 927       1181        1181    GasA        Ex          Y      SBrkr
## 928        280         832    GasA        Gd          Y      SBrkr
```

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## 929       1753        1753    GasA        Ex          Y      SBrkr
## 930        964         964    GasA        Gd          Y      SBrkr
## 931       1450        1466    GasA        Ex          Y      SBrkr
## 932        121         925    GasA        Ex          Y      SBrkr
## 933       1905        1905    GasA        Ex          Y      SBrkr
## 934       1480        1500    GasA        Ex          Y      SBrkr
## 935        160         585    GasA        Ex          Y      SBrkr
## 936        600         600    GasA        Gd          Y      SBrkr
## 937        343        1176    GasA        Ex          Y      SBrkr
## 938        772        1113    GasA        Ex          Y      SBrkr
## 939        927        1391    GasA        Ex          Y      SBrkr
## 940       1032        1032    GasA        Ex          Y      SBrkr
## 941        396        1728    GasA        TA          Y      SBrkr
## 942        220         992    GasA        Ex          Y      SBrkr
## 943          0        1440    GasA        TA          Y      SBrkr
## 944       1632        1632    GasA        TA          Y      SBrkr
## 945        354         819    GasA        Gd          Y      FuseA
## 946          0        1088    GasA        TA          Y      SBrkr
## 947        102        1144    GasA        TA          Y      SBrkr
## 948        316        1616    GasA        Ex          Y      SBrkr
## 949        936         936    GasA        Ex          Y      SBrkr
## 950        179        1161    GasA        TA          Y      SBrkr
## 951        317         864    GasA        Gd          Y      SBrkr
## 952        187         828    GasA        Gd          Y      SBrkr
## 953        108         768    GasA        Gd          Y      SBrkr
## 954         29         784    GasA        Ex          Y      SBrkr
## 955          0         945    GasA        TA          Y      SBrkr
## 956        495         979    GasA        TA          N      FuseF
## 957        276         561    GasA        TA          Y      SBrkr
## 958        640        1057    GasA        TA          Y      SBrkr
## 959        638        1337    GasA        Ex          Y      SBrkr
## 960         92         696    GasA        Ex          Y      SBrkr
## 961        162         858    GasA        Gd          Y      SBrkr
## 962        434        1330    GasA        TA          Y      SBrkr
## 963        248         804    GasA        TA          Y      SBrkr
## 964       1800        1800    GasA        Ex          Y      SBrkr
## 965        193         817    GasA        Ex          Y      SBrkr
## 966        783         783    GasA        Ex          Y      SBrkr
## 967        300         728    GasA        Ex          Y      SBrkr
## 968        196        1098    GasA        TA          Y      SBrkr
## 969        600         600    Grav        Fa          N      SBrkr
## 970         75         588    GasA        TA          Y      SBrkr
## 971        720         720    GasA        TA          N      FuseA
## 972        197         764    GasA        Ex          Y      SBrkr
## 973        918         918    GasA        TA          Y      SBrkr
## 974       1428        1428    GasA        Ex          Y      SBrkr
## 975        728         728    GasA        TA          N      SBrkr
## 976         32         673    GasA        Ex          Y      SBrkr
## 977        440         440    GasA        TA          Y      FuseA
## 978        135        1241    GasA        Ex          Y      SBrkr
## 979        342         894    GasA        Ex          Y      SBrkr
## 980        470        1121    GasA        TA          Y      SBrkr
## 981         77         944    GasA        Gd          Y      SBrkr
## 982        371        1225    GasA        Ex          Y      SBrkr
```

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## 983       1266        1266    GasA        Ex          Y      SBrkr
## 984       1128        1128    GasA        Ex          Y      SBrkr
## 985          0           0    GasA        TA          Y      SBrkr
## 986        124        1164    GasW        TA          N      SBrkr
## 987        485         485    GasA        Gd          Y      SBrkr
## 988        284        1930    GasA        Ex          Y      SBrkr
## 989        692         848    GasA        TA          Y      SBrkr
## 990        770         770    GasA        Ex          Y      SBrkr
## 991        322        1396    GasA        Ex          Y      SBrkr
## 992        700         916    GasA        Gd          Y      SBrkr
## 993        169         822    GasA        Gd          Y      SBrkr
## 994        750         750    GasA        Ex          Y      SBrkr
## 995        528        1700    GasA        Ex          Y      SBrkr
## 996        363         747    GasA        TA          Y      SBrkr
## 997        135        1050    GasA        TA          Y      SBrkr
## 998       1442        1442    GasA        TA          Y      SBrkr
## 999       1007        1007    GasA        Fa          N      SBrkr
## 1000       501        1187    GasA        Ex          Y      SBrkr
## 1001         0           0    GasW        Fa          N      FuseF
## 1002       691         691    GasA        Ex          Y      FuseA
## 1003      1550        1574    GasA        Ex          Y      SBrkr
## 1004      1680        1680    GasA        Fa          Y      SBrkr
## 1005      1330        1346    GasA        Ex          Y      SBrkr
## 1006       390         985    GasA        TA          Y      SBrkr
## 1007       420        1657    GasA        Gd          Y      SBrkr
## 1008         0         546    GasA        TA          Y      SBrkr
## 1009      1710        1710    GasA        Ex          Y      SBrkr
## 1010      1008        1008    GasA        Ex          Y      SBrkr
## 1011       720         720    GasA        TA          Y      SBrkr
## 1012         0           0    GasA        TA          N      SBrkr
## 1013       602         602    GasA        TA          Y      SBrkr
## 1014       310        1022    GasW        TA          N      SBrkr
## 1015       746        1082    GasA        TA          Y      SBrkr
## 1016       167         810    GasA        Ex          Y      SBrkr
## 1017       814        1504    GasA        Ex          Y      SBrkr
## 1018       184        1220    GasA        Gd          Y      SBrkr
## 1019       384         384    GasA        Gd          Y      SBrkr
## 1020      1346        1362    GasA        Ex          Y      SBrkr
## 1021       108        1132    GasA        Ex          Y      SBrkr
## 1022       515        1199    GasA        Ex          Y      SBrkr
## 1023       588         912    GasA        Gd          Y      FuseA
## 1024      1330        1346    GasA        Ex          Y      SBrkr
## 1025         0        1565    GasA        TA          Y      SBrkr
## 1026       276         882    GasA        TA          Y      SBrkr
## 1027       571        1268    GasA        TA          Y      SBrkr
## 1028       125        1638    GasA        Ex          Y      SBrkr
## 1029       359         768    GasA        TA          Y      SBrkr
## 1030       355         672    GasA        Gd          Y      SBrkr
## 1031       686         686    GasA        Gd          Y      SBrkr
## 1032       301         824    GasA        Ex          Y      SBrkr
## 1033       326        1338    GasA        Ex          Y      SBrkr
## 1034       668        1654    GasA        Ex          Y      SBrkr
## 1035       920         920    GasA        Ex          Y      SBrkr
## 1036         0           0    GasA        Ex          N      SBrkr
```

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## 1037       598        1620    GasA        Ex          Y      SBrkr
## 1038      1055        1055    GasA        Ex          Y      SBrkr
## 1039       546         546    GasA        TA          Y      SBrkr
## 1040       121         630    GasA        TA          Y      SBrkr
## 1041       284        1134    GasA        Ex          Y      SBrkr
## 1042       336         800    GasA        Gd          Y      SBrkr
## 1043       406        1306    GasA        Ex          Y      SBrkr
## 1044       390        1475    GasA        Ex          Y      SBrkr
## 1045      1420        2524    GasA        TA          Y      SBrkr
## 1046         0           0    GasA        Ex          Y      FuseA
## 1047      1752        1992    GasA        Ex          Y      SBrkr
## 1048       304         990    GasA        Ex          Y      SBrkr
## 1049         0           0    GasA        TA          Y      SBrkr
## 1050         0           0    GasA        Ex          Y      SBrkr
## 1051      1302        1302    GasA        Ex          Y      SBrkr
## 1052      1316        1316    GasA        Ex          Y      SBrkr
## 1053       374         816    GasA        TA          Y      SBrkr
## 1054       833        1216    GasA        Ex          Y      FuseA
## 1055       133        1065    GasA        Ex          Y      SBrkr
## 1056       549        1193    GasA        TA          Y      SBrkr
## 1057       705        1364    GasA        Ex          Y      SBrkr
## 1058       378         973    GasA        Ex          Y      SBrkr
## 1059       168        1104    GasA        Ex          Y      SBrkr
## 1060         0         854    GasA        TA          Y      SBrkr
## 1061       722        1338    GasA        Ex          Y      SBrkr
## 1062       894         894    GasA        TA          Y      SBrkr
## 1063       662         662    GasA        TA          N      SBrkr
## 1064       706        1103    GasA        Gd          Y      SBrkr
## 1065       184        1154    GasA        Ex          Y      SBrkr
## 1066       105        1306    GasA        Ex          Y      SBrkr
## 1067       799         799    GasA        Gd          Y      SBrkr
## 1068         0         780    GasA        TA          Y      SBrkr
## 1069       105         942    GasA        Gd          Y      SBrkr
## 1070       625         845    GasA        TA          Y      SBrkr
## 1071       462        1048    GasA        TA          Y      SBrkr
## 1072       429         727    GasA        Ex          Y      SBrkr
## 1073       810         810    GasA        Fa          Y      FuseA
## 1074       155         690    GasA        TA          Y      SBrkr
## 1075      1240        1240    GasA        Ex          Y      SBrkr
## 1076       390         800    GasA        TA          Y      SBrkr
## 1077       170         796    GasA        Gd          Y      SBrkr
## 1078       230        1096    GasA        Ex          Y      SBrkr
## 1079       186         848    GasA        Ex          Y      SBrkr
## 1080       495         990    GasA        Gd          Y      SBrkr
## 1081       602        1258    GasA        Ex          Y      SBrkr
## 1082       216        1040    GasA        Fa          Y      SBrkr
## 1083      1459        1459    GasA        Ex          Y      SBrkr
## 1084       698        1251    GasA        TA          Y      SBrkr
## 1085        99         691    GasA        Gd          Y      SBrkr
## 1086       189         936    GasA        Ex          Y      SBrkr
## 1087       212         546    GasA        TA          Y      SBrkr
## 1088      1082        1082    GasA        Ex          Y      SBrkr
## 1089       970         970    GasA        Ex          Y      SBrkr
## 1090       208        1247    GasA        Ex          Y      SBrkr
```

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## 1091         0           0    Wall        Fa          N      FuseA
## 1092        90         600    GasA        Ex          Y      SBrkr
## 1093       758        1181    GasA        Fa          Y      SBrkr
## 1094       203         864    GasA        Gd          Y      SBrkr
## 1095       448         936    GasA        Ex          Y      SBrkr
## 1096      1290        1314    GasA        Gd          Y      SBrkr
## 1097       684         684    GasA        TA          Y      SBrkr
## 1098      1074        1074    GasA        Ex          Y      SBrkr
## 1099         0         672    GasA        TA          Y      SBrkr
## 1100       567        1271    GasA        TA          Y      SBrkr
## 1101         0         290    GasA        TA          N      FuseF
## 1102       251         950    GasA        TA          Y      SBrkr
## 1103       422        1010    GasA        Ex          Y      SBrkr
## 1104         0         655    GasA        Ex          Y      SBrkr
## 1105       630         630    GasA        TA          Y      SBrkr
## 1106       431        1463    GasA        Ex          Y      SBrkr
## 1107       172         910    GasA        Gd          Y      SBrkr
## 1108       868         868    GasA        Ex          Y      SBrkr
## 1109       924         924    GasA        Ex          Y      SBrkr
## 1110       797        1836    GasA        Ex          Y      SBrkr
## 1111       554         773    GasA        Gd          Y      SBrkr
## 1112       400         803    GasA        TA          Y      SBrkr
## 1113       108         816    GasA        TA          Y      FuseA
## 1114       365        1008    GasA        Gd          Y      SBrkr
## 1115       418         833    GasA        Ex          Y      SBrkr
## 1116       730        1734    GasA        Ex          Y      SBrkr
## 1117        55         408    GasA        Ex          Y      SBrkr
## 1118       192         894    GasA        Ex          Y      SBrkr
## 1119       533         533    GasA        TA          Y      SBrkr
## 1120       671        1040    GasA        TA          Y      FuseA
## 1121      1012        1012    GasA        TA          Y      FuseA
## 1122      1528        1552    GasA        Ex          Y      SBrkr
## 1123       672         672    GasA        Ex          Y      FuseA
## 1124       698         698    GasA        Ex          Y      SBrkr
## 1125       384         384    GasA        Gd          Y      SBrkr
## 1126      1005        1005    GasA        TA          Y      SBrkr
## 1127      1373        1373    GasA        Ex          Y      SBrkr
## 1128       230        1530    GasA        Ex          Y      SBrkr
## 1129       847         847    GasA        Ex          Y      SBrkr
## 1130         0         936    GasA        TA          Y      SBrkr
## 1131       500        1122    GasA        TA          Y      SBrkr
## 1132       762         974    GasA        TA          Y      SBrkr
## 1133      1008        1008    GasW        TA          Y      SBrkr
## 1134       544        1128    GasA        Ex          Y      SBrkr
## 1135       916         916    GasA        Gd          Y      SBrkr
## 1136       960         960    GasA        TA          N      SBrkr
## 1137       752        1032    GasA        TA          Y      FuseA
## 1138       780         780    GasA        Gd          N      SBrkr
## 1139         0        1567    GasA        TA          Y      SBrkr
## 1140       270         915    GasA        TA          Y      SBrkr
## 1141       100         952    GasA        TA          Y      SBrkr
## 1142       399         780    GasA        Ex          Y      SBrkr
## 1143       316        1466    GasA        Ex          Y      SBrkr
## 1144       718        1006    GasA        TA          Y      SBrkr
```

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## 1145       324         672    Grav        Fa          N      FuseA
## 1146      1042        1042    GasA        Ex          Y      SBrkr
## 1147        40        1298    GasA        TA          Y      SBrkr
## 1148       429         704    GasA        Ex          Y      SBrkr
## 1149       572         572    GasA        TA          Y      SBrkr
##      X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath BsmtHalfBath
## 1          856       854            0      1710            1            0
## 2         1262         0            0      1262            0            1
## 3          920       866            0      1786            1            0
## 4          961       756            0      1717            1            0
## 5         1145      1053            0      2198            1            0
## 6          796       566            0      1362            1            0
## 7         1694         0            0      1694            1            0
## 8         1107       983            0      2090            1            0
## 9         1022       752            0      1774            0            0
## 10        1077         0            0      1077            1            0
## 11        1040         0            0      1040            1            0
## 12        1182      1142            0      2324            1            0
## 13         912         0            0       912            1            0
## 14        1494         0            0      1494            0            0
## 15        1253         0            0      1253            1            0
## 16         854         0            0       854            0            0
## 17        1004         0            0      1004            1            0
## 18        1296         0            0      1296            0            0
## 19        1114         0            0      1114            1            0
## 20        1339         0            0      1339            0            0
## 21        1158      1218            0      2376            0            0
## 22        1108         0            0      1108            0            0
## 23        1795         0            0      1795            0            0
## 24        1060         0            0      1060            1            0
## 25        1060         0            0      1060            1            0
## 26        1600         0            0      1600            0            0
## 27         900         0            0       900            0            1
## 28        1704         0            0      1704            1            0
## 29        1600         0            0      1600            1            0
## 30         520         0            0       520            0            0
## 31         649       668            0      1317            0            0
## 32        1228         0            0      1228            0            0
## 33        1234         0            0      1234            0            0
## 34        1700         0            0      1700            0            1
## 35        1561         0            0      1561            1            0
## 36        1132      1320            0      2452            0            0
## 37        1097         0            0      1097            0            0
## 38        1297         0            0      1297            0            1
## 39        1057         0            0      1057            1            0
## 40        1152         0            0      1152            0            0
## 41        1324         0            0      1324            0            0
## 42        1328         0            0      1328            0            1
## 43         884         0            0       884            1            0
## 44         938         0            0       938            1            0
## 45        1150         0            0      1150            1            0
## 46        1752         0            0      1752            1            0
## 47        1518       631            0      2149            1            0
## 48        1656         0            0      1656            0            0
```

```
## 49   736   716    0  1452    0    0
## 50   955     0    0   955    1    0
## 51   794   676    0  1470    0    1
## 52   816     0  360  1176    0    0
## 53   816     0    0   816    1    0
## 54  1842     0    0  1842    2    0
## 55  1360     0    0  1360    0    0
## 56  1425     0    0  1425    0    0
## 57   983   756    0  1739    1    0
## 58   860   860    0  1720    0    0
## 59  1426  1519    0  2945    0    0
## 60   780     0    0   780    0    0
## 61  1158     0    0  1158    1    0
## 62   581   530    0  1111    0    0
## 63  1370     0    0  1370    0    0
## 64   902   808    0  1710    0    0
## 65  1057   977    0  2034    1    0
## 66  1143  1330    0  2473    0    0
## 67  2207     0    0  2207    1    0
## 68  1479     0    0  1479    1    0
## 69   747     0    0   747    0    0
## 70  1304   983    0  2287    0    0
## 71  2223     0    0  2223    1    0
## 72   845     0    0   845    1    0
## 73   885   833    0  1718    0    0
## 74  1086     0    0  1086    1    0
## 75   840   765    0  1605    0    0
## 76   526   462    0   988    1    0
## 77   952     0    0   952    0    0
## 78  1072   213    0  1285    1    0
## 79  1768     0    0  1768    0    0
## 80   682   548    0  1230    0    0
## 81  1182   960    0  2142    0    0
## 82  1337     0    0  1337    1    0
## 83  1563     0    0  1563    0    0
## 84  1065     0    0  1065    0    0
## 85   804   670    0  1474    0    0
## 86  1301  1116    0  2417    0    0
## 87   684   876    0  1560    0    0
## 88   612   612    0  1224    0    0
## 89  1013     0  513  1526    0    0
## 90   990     0    0   990    1    0
## 91  1040     0    0  1040    0    0
## 92  1235     0    0  1235    0    0
## 93   964     0    0   964    1    0
## 94  1260  1031    0  2291    0    1
## 95   905   881    0  1786    1    0
## 96   680   790    0  1470    0    0
## 97  1588     0    0  1588    0    0
## 98   960     0    0   960    1    0
## 99   835     0    0   835    0    0
## 100 1225     0    0  1225    1    0
## 101 1610     0    0  1610    1    0
## 102  977   755    0  1732    0    0
```

```
## 103       1535          0             0       1535             0             0
## 104       1226          0             0       1226             0             0
## 105       1226        592             0       1818             0             0
## 106       1053        939             0       1992             0             0
## 107       1047          0             0       1047             0             0
## 108        789          0             0        789             0             0
## 109        997        520             0       1517             0             0
## 110       1844          0             0       1844             0             0
## 111       1216        639             0       1855             0             0
## 112        774        656             0       1430             0             0
## 113       1282       1414             0       2696             1             0
## 114       2259          0             0       2259             1             0
## 115       1436        884             0       2320             1             0
## 116        729        729             0       1458             0             0
## 117       1092          0             0       1092             0             1
## 118       1125          0             0       1125             0             0
## 119       1699       1523             0       3222             1             0
## 120        728        728             0       1456             0             0
## 121        988          0             0        988             1             0
## 122        772        351             0       1123             0             0
## 123       1080          0             0       1080             0             0
## 124       1199          0             0       1199             0             0
## 125       1586          0             0       1586             0             0
## 126        520          0           234        754             1             0
## 127        958          0             0        958             0             0
## 128        840          0             0        840             0             0
## 129        660        688             0       1348             0             0
## 130       1053          0             0       1053             0             1
## 131       1216        941             0       2157             0             0
## 132       1022       1032             0       2054             1             0
## 133       1327          0             0       1327             1             0
## 134       1296          0             0       1296             1             0
## 135       1721          0             0       1721             0             0
## 136       1682          0             0       1682             0             0
## 137       1214          0             0       1214             0             0
## 138       1959          0             0       1959             0             0
## 139       1004        848             0       1852             0             0
## 140        928        836             0       1764             1             0
## 141        864          0             0        864             0             0
## 142       1734          0             0       1734             1             0
## 143        910        475             0       1385             0             0
## 144       1501          0             0       1501             1             0
## 145       1728          0             0       1728             1             0
## 146        970        739             0       1709             0             0
## 147        875          0             0        875             1             0
## 148        884       1151             0       2035             0             0
## 149       1080          0             0       1080             1             0
## 150        896        448             0       1344             0             0
## 151        969          0             0        969             0             0
## 152       1710          0             0       1710             1             0
## 153       1097        896             0       1993             0             0
## 154       1252          0             0       1252             1             0
## 155       1200          0             0       1200             0             0
## 156        572        524             0       1096             0             0
```

```
## 157       1040          0            0       1040            0            0
## 158        774       1194            0       1968            0            0
## 159        991        956            0       1947            0            0
## 160       1392       1070            0       2462            1            0
## 161       1232          0            0       1232            0            0
## 162       1572       1096            0       2668            1            0
## 163       1541          0            0       1541            0            0
## 164        882          0            0        882            0            0
## 165       1149        467            0       1616            0            0
## 166        808        547            0       1355            1            0
## 167       1867          0            0       1867            1            0
## 168       1610        551            0       2161            1            0
## 169        840        880            0       1720            0            0
## 170       1707          0            0       1707            0            0
## 171        854          0          528       1382            0            0
## 172       1656          0            0       1656            1            0
## 173       1064        703            0       1767            1            0
## 174       1362          0            0       1362            1            0
## 175       1651          0            0       1651            1            0
## 176       2158          0            0       2158            1            0
## 177       1164        896            0       2060            0            1
## 178       1252        668            0       1920            1            0
## 179       2234          0            0       2234            1            0
## 180        968          0            0        968            0            0
## 181        769        756            0       1525            0            0
## 182        901        901            0       1802            0            0
## 183       1340          0            0       1340            0            0
## 184       1362        720            0       2082            0            0
## 185        936        316            0       1252            0            0
## 186       1518       1518          572       3608            0            0
## 187       1217          0            0       1217            1            0
## 188        808        704          144       1656            0            0
## 189       1224          0            0       1224            2            0
## 190       1593          0            0       1593            1            0
## 191       1549       1178            0       2727            0            0
## 192        725        754            0       1479            1            0
## 193       1431          0            0       1431            1            0
## 194        970        739            0       1709            0            0
## 195        864          0            0        864            0            0
## 196        855        601            0       1456            0            0
## 197       1726          0            0       1726            1            0
## 198       1360       1360          392       3112            1            1
## 199        929        929          371       2229            0            0
## 200       1713          0            0       1713            1            0
## 201       1121          0            0       1121            0            0
## 202       1279          0            0       1279            0            1
## 203        865        445            0       1310            0            0
## 204        848          0            0        848            1            0
## 205        720        564            0       1284            0            0
## 206       1442          0            0       1442            0            0
## 207       1696          0            0       1696            0            0
## 208       1100          0            0       1100            1            0
## 209       1180        882            0       2062            1            0
## 210       1092          0            0       1092            1            0
```

```
## 211  864    0   0  864  1  0
## 212 1212    0   0 1212  0  0
## 213  932  920   0 1852  1  0
## 214  990    0   0  990  0  1
## 215  689  703   0 1392  0  0
## 216 1236    0   0 1236  0  1
## 217 1436    0   0 1436  1  0
## 218  810  518   0 1328  0  0
## 219 1137  817   0 1954  0  1
## 220 1248    0   0 1248  0  0
## 221 1498    0   0 1498  0  0
## 222 1010 1257   0 2267  0  0
## 223  811  741   0 1552  1  0
## 224  864    0   0  864  0  0
## 225 2392    0   0 2392  0  0
## 226  630  672   0 1302  0  0
## 227 1214 1306   0 2520  0  0
## 228  483  504   0  987  0  0
## 229  912    0   0  912  0  0
## 230 1555    0   0 1555  0  0
## 231 1194    0   0 1194  1  0
## 232 1490 1304   0 2794  1  0
## 233  483  504   0  987  0  0
## 234  894    0   0  894  1  0
## 235  860 1100   0 1960  1  0
## 236  483  504   0  987  0  0
## 237 1414    0   0 1414  0  0
## 238 1014  730   0 1744  0  0
## 239 1694    0   0 1694  0  0
## 240  798  689   0 1487  0  0
## 241 1566    0   0 1566  1  0
## 242  866    0   0  866  0  0
## 243  889  551   0 1440  0  0
## 244  626  591   0 1217  0  0
## 245 1222  888   0 2110  1  0
## 246 1872    0   0 1872  0  1
## 247  908 1020   0 1928  0  0
## 248 1375    0   0 1375  0  0
## 249  840  828   0 1668  0  0
## 250 1444  700   0 2144  0  1
## 251 1306    0   0 1306  0  0
## 252 1625    0   0 1625  1  1
## 253  798  842   0 1640  0  0
## 254 1302    0   0 1302  0  1
## 255 1314    0   0 1314  1  0
## 256 1005 1286   0 2291  0  0
## 257  864  864   0 1728  0  0
## 258 1604    0   0 1604  1  0
## 259  963  829   0 1792  0  0
## 260  882    0   0  882  0  0
## 261 1382    0   0 1382  1  0
## 262 1482 1092   0 2574  0  0
## 263 1212    0   0 1212  1  0
## 264  926    0 390 1316  1  0
```

```
## 265  764    0   0  764  0  0
## 266 1422    0   0 1422  0  0
## 267  802  709   0 1511  1  0
## 268 1052  720 420 2192  0  0
## 269  778    0   0  778  0  0
## 270 1113    0   0 1113  1  0
## 271 1095  844   0 1939  0  0
## 272 1363    0   0 1363  1  0
## 273 1164 1106   0 2270  0  0
## 274 1632    0   0 1632  1  0
## 275  816    0   0  816  0  0
## 276  952  596   0 1548  0  0
## 277 1560    0   0 1560  0  0
## 278  864    0   0  864  0  0
## 279 2121    0   0 2121  0  0
## 280 1156  866   0 2022  0  0
## 281 1175  807   0 1982  0  0
## 282 1262    0   0 1262  0  0
## 283 1314    0   0 1314  1  0
## 284 1468    0   0 1468  0  0
## 285 1575    0   0 1575  1  0
## 286  625  625   0 1250  0  0
## 287 1085  649   0 1734  0  0
## 288  858    0   0  858  0  0
## 289  900    0   0  900  0  0
## 290  698  698   0 1396  0  0
## 291 1079  840   0 1919  0  0
## 292  936  780   0 1716  1  0
## 293 1148  568   0 1716  0  0
## 294 1468  795   0 2263  1  0
## 295 1644    0   0 1644  1  0
## 296 1003    0   0 1003  1  0
## 297  910  648   0 1558  0  0
## 298  975  975   0 1950  0  0
## 299 1041  702   0 1743  0  1
## 300 1152    0   0 1152  0  1
## 301 1336    0   0 1336  1  0
## 302 1210 1242   0 2452  0  0
## 303 1541    0   0 1541  0  0
## 304  894    0   0  894  1  0
## 305 1675 1818   0 3493  0  0
## 306 2000    0   0 2000  1  0
## 307 1122 1121   0 2243  1  0
## 308 1035  371   0 1406  0  0
## 309  861    0   0  861  0  0
## 310 1944    0   0 1944  1  0
## 311  697  804   0 1501  0  0
## 312  972    0   0  972  1  0
## 313  793  325   0 1118  1  0
## 314 2036    0   0 2036  2  0
## 315  832  809   0 1641  0  1
## 316  716  716   0 1432  1  0
## 317 1153 1200   0 2353  1  0
## 318 1088  871   0 1959  0  0
```

```
## 319       1372       1274          0       2646          1          0
## 320       1472          0          0       1472          1          0
## 321       1249       1347          0       2596          0          0
## 322       1136       1332          0       2468          1          0
## 323       1553       1177          0       2730          1          0
## 324       1163          0          0       1163          1          0
## 325       1898       1080          0       2978          0          0
## 326        803          0          0        803          0          0
## 327       1719          0          0       1719          2          0
## 328       1383          0          0       1383          0          0
## 329       1445        689          0       2134          0          0
## 330        596        596          0       1192          0          0
## 331       1728          0          0       1728          0          1
## 332       1056          0          0       1056          1          0
## 333       1629          0          0       1629          1          0
## 334       1358          0          0       1358          1          0
## 335        943        695          0       1638          1          0
## 336       1619        167          0       1786          2          0
## 337       1922          0          0       1922          1          0
## 338       1536          0          0       1536          1          0
## 339       1621          0          0       1621          1          0
## 340       1215          0          0       1215          0          0
## 341        993        915          0       1908          0          0
## 342        841          0          0        841          0          0
## 343       1040          0          0       1040          0          0
## 344       1684          0          0       1684          0          0
## 345        536        576          0       1112          0          0
## 346        972        605          0       1577          0          0
## 347        958          0          0        958          0          0
## 348       1478          0          0       1478          1          0
## 349        764        862          0       1626          1          0
## 350       1848        880          0       2728          1          0
## 351       1869          0          0       1869          0          0
## 352       1453          0          0       1453          1          0
## 353        616        495          0       1111          0          1
## 354        720          0          0        720          0          0
## 355       1192        403          0       1595          0          0
## 356       1200          0          0       1200          1          0
## 357       1167          0          0       1167          1          0
## 358       1142          0          0       1142          1          0
## 359       1352          0          0       1352          0          1
## 360       1086        838          0       1924          1          0
## 361        912          0          0        912          1          0
## 362        988        517          0       1505          1          0
## 363        495       1427          0       1922          0          0
## 364        483        504          0        987          0          0
## 365        790        784          0       1574          1          0
## 366        672        672          0       1344          0          0
## 367       1394          0          0       1394          1          0
## 368       1431          0          0       1431          0          1
## 369       1268          0          0       1268          0          0
## 370       1287          0          0       1287          1          0
## 371        953        711          0       1664          0          0
## 372       1120        468          0       1588          0          0
```

```
## 373  752    0   0  752  1  0
## 374 1319    0   0 1319  1  0
## 375  847 1081   0 1928  0  0
## 376  904    0   0  904  1  0
## 377  914    0   0  914  0  0
## 378 1580  886   0 2466  0  0
## 379 1856    0   0 1856  1  0
## 380 1007  793   0 1800  0  0
## 381 1026  665   0 1691  0  0
## 382 1301    0   0 1301  1  0
## 383  939  858   0 1797  0  0
## 384  784    0   0  784  0  0
## 385 1079  874   0 1953  1  0
## 386 1269    0   0 1269  0  0
## 387  658  526   0 1184  0  0
## 388 1125    0   0 1125  1  0
## 389 1479    0   0 1479  0  0
## 390 1742  590   0 2332  1  0
## 391  961  406   0 1367  1  0
## 392  804 1157   0 1961  1  0
## 393  882    0   0  882  0  0
## 394  788    0   0  788  0  0
## 395  735  299   0 1034  0  0
## 396 1144    0   0 1144  1  0
## 397  894    0   0  894  0  0
## 398  876  936   0 1812  0  0
## 399 1077    0   0 1077  0  0
## 400 1112  438   0 1550  1  0
## 401 1288    0   0 1288  1  0
## 402 1310    0   0 1310  0  0
## 403  672    0   0  672  0  0
## 404 1165 1098   0 2263  0  0
## 405  806  766   0 1572  0  0
## 406 1620    0   0 1620  1  0
## 407 1166    0 473 1639  0  0
## 408  840  840   0 1680  0  0
## 409 1071 1101   0 2172  0  0
## 410 1050 1028   0 2078  1  0
## 411 1276    0   0 1276  0  0
## 412 1056    0   0 1056  1  0
## 413 1478    0   0 1478  1  0
## 414 1028    0   0 1028  0  0
## 415 1080 1017   0 2097  0  1
## 416 1340    0   0 1340  0  0
## 417  672  728   0 1400  0  0
## 418 1370 1254   0 2624  1  0
## 419  756  378   0 1134  1  0
## 420 1056    0   0 1056  1  0
## 421 1344    0   0 1344  2  0
## 422 1602    0   0 1602  0  1
## 423  988    0   0  988  0  0
## 424 1470 1160   0 2630  1  0
## 425 1196    0   0 1196  1  0
## 426  707  682   0 1389  0  0
```

```
## 427  1644    0    0  1644    1    1
## 428   907    0    0   907    0    0
## 429  1208    0    0  1208    1    0
## 430  1412    0    0  1412    1    0
## 431   483  504    0   987    0    0
## 432  1088  110    0  1198    0    0
## 433   765  600    0  1365    1    0
## 434   926  678    0  1604    0    0
## 435   630    0    0   630    1    0
## 436   827  834    0  1661    1    0
## 437   734  384    0  1118    0    0
## 438   904    0    0   904    0    0
## 439   694    0    0   694    0    0
## 440   684  512    0  1196    0    0
## 441  2402    0    0  2402    1    0
## 442  1440    0    0  1440    0    0
## 443  1128  445    0  1573    0    0
## 444  1258    0    0  1258    0    0
## 445   933  975    0  1908    1    0
## 446  1689    0    0  1689    0    0
## 447  1888    0    0  1888    0    0
## 448   956  930    0  1886    0    0
## 449   780  596    0  1376    0    0
## 450   679  504    0  1183    0    0
## 451   813    0    0   813    0    0
## 452  1533    0    0  1533    1    0
## 453   888  868    0  1756    1    0
## 454   786  804    0  1590    0    0
## 455  1728    0    0  1728    2    0
## 456  1242    0    0  1242    0    0
## 457   624  720    0  1344    0    0
## 458  1663    0    0  1663    1    0
## 459   833  833    0  1666    0    0
## 460   979  224    0  1203    1    0
## 461   832 1103    0  1935    1    0
## 462   575  560    0  1135    1    0
## 463   864    0    0   864    0    0
## 464   849  811    0  1660    0    0
## 465  1040    0    0  1040    0    0
## 466  1414    0    0  1414    0    0
## 467  1277    0    0  1277    1    0
## 468   888  756    0  1644    0    0
## 469  1634    0    0  1634    0    0
## 470   832  878    0  1710    0    0
## 471  1502    0    0  1502    1    0
## 472  1161  808    0  1969    0    0
## 473  1072    0    0  1072    1    0
## 474  1976    0    0  1976    1    0
## 475  1652    0    0  1652    1    0
## 476   970    0    0   970    1    0
## 477  1493    0    0  1493    1    0
## 478  2069  574    0  2643    0    0
## 479  1718    0    0  1718    1    0
## 480  1131    0    0  1131    0    0
```

```
## 481  1850    0    0  1850    1    0
## 482  1792    0    0  1792    1    0
## 483   916  910    0  1826    1    0
## 484  1216    0    0  1216    1    0
## 485   999    0    0   999    1    0
## 486  1113    0    0  1113    0    0
## 487  1073    0    0  1073    1    0
## 488  1484    0    0  1484    0    0
## 489  1766  648    0  2414    0    0
## 490   630    0    0   630    1    0
## 491   616  688    0  1304    0    0
## 492   958  620    0  1578    1    0
## 493   728  728    0  1456    0    0
## 494  1269    0    0  1269    0    0
## 495   886    0    0   886    0    0
## 496   720    0    0   720    0    0
## 497  3228    0    0  3228    1    0
## 498  1133  687    0  1820    1    0
## 499   899    0    0   899    0    0
## 500   912    0    0   912    0    1
## 501   672  546    0  1218    0    0
## 502   866  902    0  1768    0    0
## 503  1214    0    0  1214    1    0
## 504  1801    0    0  1801    1    0
## 505   855  467    0  1322    0    1
## 506   960 1000    0  1960    0    0
## 507  1065  846    0  1911    0    0
## 508  1218    0    0  1218    0    0
## 509   689  689    0  1378    0    0
## 510  1041    0    0  1041    1    0
## 511  1363    0    0  1363    1    0
## 512  1368    0    0  1368    0    0
## 513   864    0    0   864    1    0
## 514  1080    0    0  1080    0    0
## 515   789    0    0   789    0    0
## 516  2020    0    0  2020    1    0
## 517  1378  741    0  2119    0    0
## 518  1277 1067    0  2344    0    0
## 519   882  914    0  1796    1    0
## 520  1276  804    0  2080    0    0
## 521   694  600    0  1294    0    0
## 522  1244    0    0  1244    0    0
## 523  1004  660    0  1664    0    0
## 524  3138 1538    0  4676    1    0
## 525  1383 1015    0  2398    1    0
## 526  1266    0    0  1266    0    0
## 527   928    0    0   928    0    0
## 528  1476 1237    0  2713    1    0
## 529   605    0    0   605    1    0
## 530  2515    0    0  2515    1    0
## 531  1509    0    0  1509    1    0
## 532   751  611    0  1362    0    0
## 533   827    0    0   827    0    0
## 534   334    0    0   334    0    0
```

```
## 535        707        707          0       1414          0          0
## 536        820        527          0       1347          1          0
## 537        880        844          0       1724          0          0
## 538        864          0          0        864          0          0
## 539       1159          0          0       1159          0          0
## 540       1601          0          0       1601          1          0
## 541       1838          0          0       1838          1          0
## 542        997       1288          0       2285          0          0
## 543       1680          0          0       1680          1          0
## 544        767          0          0        767          1          0
## 545        664        832          0       1496          1          0
## 546       1377        806          0       2183          0          0
## 547        915        720          0       1635          0          0
## 548        768          0          0        768          1          0
## 549        825          0          0        825          1          0
## 550        912       1182          0       2094          0          0
## 551       1069          0          0       1069          0          0
## 552        928          0          0        928          0          0
## 553       1717          0          0       1717          0          0
## 554       1126          0          0       1126          0          0
## 555       1006       1040          0       2046          1          0
## 556       1048          0          0       1048          0          0
## 557       1092          0          0       1092          1          0
## 558        897        439          0       1336          0          0
## 559        729        717          0       1446          0          1
## 560       1557          0          0       1557          0          0
## 561       1392          0          0       1392          1          0
## 562       1389          0          0       1389          1          0
## 563        996          0          0        996          1          0
## 564       1163        511          0       1674          0          0
## 565       1166       1129          0       2295          1          0
## 566        841        806          0       1647          1          0
## 567       1134       1370          0       2504          0          0
## 568       1535          0          0       1535          0          0
## 569       1496        636          0       2132          1          0
## 570        943          0          0        943          1          0
## 571       1728          0          0       1728          0          0
## 572        864          0          0        864          1          0
## 573        846        846          0       1692          0          0
## 574        774        656          0       1430          0          0
## 575        576        533          0       1109          0          1
## 576        832        384          0       1216          0          0
## 577        877        600          0       1477          0          1
## 578       1320          0          0       1320          1          0
## 579        703        689          0       1392          0          0
## 580       1050        745          0       1795          0          0
## 581       1429          0          0       1429          0          1
## 582       2042          0          0       2042          0          0
## 583        816          0          0        816          1          0
## 584       1521       1254          0       2775          0          0
## 585        989        584          0       1573          0          0
## 586       2028          0          0       2028          1          0
## 587        838          0          0        838          1          0
## 588        860          0          0        860          1          0
```

```
## 589       1473          0            0       1473            2            0
## 590        779          0          156        935            0            0
## 591        770        812            0       1582            0            0
## 592       1728        568            0       2296            1            0
## 593        816          0            0        816            1            0
## 594        848          0            0        848            1            0
## 595        924          0            0        924            0            0
## 596       1826          0            0       1826            1            0
## 597        684        684            0       1368            0            0
## 598       1402          0            0       1402            0            2
## 599       1647          0            0       1647            1            0
## 600        716        840            0       1556            1            0
## 601       1058        846            0       1904            1            0
## 602        780        595            0       1375            0            0
## 603        927        988            0       1915            1            0
## 604        600        600            0       1200            0            0
## 605       1494          0            0       1494            1            0
## 606       1186        800            0       1986            0            0
## 607       1040          0            0       1040            1            0
## 608       1112        896            0       2008            1            0
## 609       1940       1254            0       3194            0            0
## 610       1029          0            0       1029            1            0
## 611       1476        677            0       2153            1            0
## 612       1032          0            0       1032            0            1
## 613       1299        573            0       1872            1            0
## 614       1120          0            0       1120            0            0
## 615        630          0            0        630            1            0
## 616       1054          0            0       1054            1            0
## 617        807        702            0       1509            1            0
## 618        832          0            0        832            0            0
## 619       1828          0            0       1828            0            0
## 620       1482        780            0       2262            1            0
## 621        864          0            0        864            1            0
## 622       1548       1066            0       2614            0            0
## 623        980          0            0        980            0            0
## 624        756        756            0       1512            0            0
## 625       1012        778            0       1790            1            0
## 626       1116          0            0       1116            0            0
## 627       1422          0            0       1422            0            0
## 628       1520          0            0       1520            1            0
## 629       1040       1040            0       2080            0            1
## 630       1350          0            0       1350            1            0
## 631       1089        661            0       1750            0            0
## 632       1554          0            0       1554            0            0
## 633       1411          0            0       1411            0            0
## 634       1056          0            0       1056            0            1
## 635       1056          0            0       1056            2            0
## 636       1440       1440          515       3395            0            0
## 637        800          0            0        800            0            0
## 638        811        576            0       1387            0            0
## 639        796          0            0        796            0            0
## 640       1567          0            0       1567            1            0
## 641       1518          0            0       1518            0            0
## 642       1057        872            0       1929            1            0
```

```
## 643       2000       704          0       2704          1          0
## 644        780       840          0       1620          0          0
## 645       1766         0          0       1766          1          0
## 646        981         0          0        981          1          0
## 647       1048         0          0       1048          0          0
## 648       1094         0          0       1094          0          0
## 649       1051       788          0       1839          0          0
## 650        630         0          0        630          1          0
## 651        822       843          0       1665          0          0
## 652        755       755          0       1510          1          0
## 653        909       807          0       1716          0          0
## 654        756       713          0       1469          0          0
## 655       2113         0          0       2113          1          0
## 656        525       567          0       1092          0          0
## 657       1053         0          0       1053          1          0
## 658        851       651          0       1502          0          0
## 659        912       546          0       1458          0          1
## 660       1486         0          0       1486          1          0
## 661       1142       793          0       1935          0          0
## 662       1686       762          0       2448          1          0
## 663       1392         0          0       1392          1          0
## 664       1181         0          0       1181          1          0
## 665       2097         0          0       2097          1          0
## 666       1454       482          0       1936          0          0
## 667       1465       915          0       2380          0          0
## 668       1679         0          0       1679          1          0
## 669       1437         0          0       1437          1          0
## 670       1180         0          0       1180          0          0
## 671        738       738          0       1476          1          0
## 672        697       672          0       1369          1          0
## 673       1208         0          0       1208          1          0
## 674       1839         0          0       1839          1          0
## 675       1136         0          0       1136          1          0
## 676        855       586          0       1441          0          0
## 677       1095       679          0       1774          1          0
## 678        792         0          0        792          0          0
## 679       2046         0          0       2046          0          0
## 680        988         0          0        988          1          0
## 681        923         0          0        923          0          0
## 682        848       672          0       1520          0          0
## 683       1291         0          0       1291          1          0
## 684       1668         0          0       1668          1          0
## 685       1195       644          0       1839          0          0
## 686       1190       900          0       2090          1          0
## 687        874       887          0       1761          0          0
## 688        551       551          0       1102          0          0
## 689       1419         0          0       1419          1          0
## 690       1362         0          0       1362          0          0
## 691        848         0          0        848          1          0
## 692       2444      1872          0       4316          0          1
## 693       1238      1281          0       2519          1          0
## 694       1073         0          0       1073          0          0
## 695       1067       472          0       1539          0          0
## 696       1137         0          0       1137          1          0
```

```
## 697        616          0           0        616           0           0
## 698       1148          0           0       1148           0           1
## 699        894          0           0        894           1           0
## 700       1391          0           0       1391           0           0
## 701       1800          0           0       1800           1           0
## 702       1164          0           0       1164           0           0
## 703       1264       1312           0       2576           0           0
## 704       1032        780           0       1812           0           0
## 705       1484          0           0       1484           1           0
## 706        372        720           0       1092           0           0
## 707       1824          0           0       1824           1           0
## 708       1324          0           0       1324           1           0
## 709        728        728           0       1456           0           0
## 710        904          0           0        904           0           0
## 711        729          0           0        729           0           0
## 712        859        319           0       1178           0           0
## 713       1228          0           0       1228           1           0
## 714        960          0           0        960           1           0
## 715        725        754           0       1479           0           0
## 716       1350          0           0       1350           0           0
## 717       1576        978           0       2554           0           0
## 718       1178          0           0       1178           0           1
## 719       1325       1093           0       2418           1           0
## 720        971          0           0        971           0           0
## 721       1742          0           0       1742           1           0
## 722        848          0           0        848           1           0
## 723        864          0           0        864           0           0
## 724        997        473           0       1470           0           0
## 725       1698          0           0       1698           1           0
## 726        864          0           0        864           0           0
## 727       1680          0           0       1680           1           0
## 728       1232          0           0       1232           1           0
## 729       1776          0           0       1776           1           0
## 730        848          0         360       1208           0           0
## 731       1616          0           0       1616           1           0
## 732       1146          0           0       1146           1           0
## 733       1153        878           0       2031           0           0
## 734       1144          0           0       1144           1           0
## 735        948          0           0        948           0           0
## 736        880        888           0       1768           0           0
## 737       1040          0           0       1040           0           0
## 738        901        900           0       1801           0           0
## 739       1200          0           0       1200           3           0
## 740        864        864           0       1728           0           0
## 741        768        664           0       1432           0           0
## 742        912          0           0        912           1           1
## 743       1349          0           0       1349           0           0
## 744       1464          0           0       1464           0           1
## 745       1337          0           0       1337           1           0
## 746       1175       1540           0       2715           0           1
## 747        980       1276           0       2256           0           0
## 748       1320       1320           0       2640           0           0
## 749       1720          0           0       1720           1           0
## 750       1088        441           0       1529           0           0
```

```
## 751  792  348  0  1140  0  0
## 752  660  660  0  1320  0  0
## 753  1494  0  0  1494  1  0
## 754  1038  1060  0  2098  0  0
## 755  1026  0  0  1026  1  0
## 756  742  729  0  1471  0  0
## 757  866  902  0  1768  0  0
## 758  672  714  0  1386  0  0
## 759  757  744  0  1501  0  0
## 760  1328  1203  0  2531  0  0
## 761  864  0  0  864  0  0
## 762  1301  0  0  1301  0  0
## 763  764  783  0  1547  0  0
## 764  1268  1097  0  2365  1  0
## 765  1494  0  0  1494  1  0
## 766  1506  0  0  1506  0  0
## 767  980  734  0  1714  0  0
## 768  983  767  0  1750  1  0
## 769  1836  0  0  1836  0  0
## 770  1690  1589  0  3279  1  0
## 771  858  0  0  858  1  0
## 772  1220  0  0  1220  0  0
## 773  1117  0  0  1117  1  0
## 774  912  0  0  912  0  0
## 775  1973  0  0  1973  0  0
## 776  1204  0  0  1204  1  0
## 777  1614  0  0  1614  0  0
## 778  894  0  0  894  1  0
## 779  2020  0  0  2020  0  0
## 780  1004  0  0  1004  1  0
## 781  1253  0  0  1253  0  0
## 782  810  793  0  1603  0  0
## 783  1430  0  0  1430  0  0
## 784  1110  0  0  1110  1  0
## 785  742  742  0  1484  0  0
## 786  1342  0  0  1342  0  0
## 787  966  686  0  1652  1  0
## 788  956  1128  0  2084  1  0
## 789  901  0  0  901  0  0
## 790  976  1111  0  2087  0  0
## 791  1145  0  0  1145  0  0
## 792  1062  0  0  1062  1  0
## 793  1127  886  0  2013  1  0
## 794  1496  0  0  1496  0  0
## 795  1086  809  0  1895  0  0
## 796  888  676  0  1564  0  0
## 797  1285  0  0  1285  0  0
## 798  773  0  0  773  0  0
## 799  1966  1174  0  3140  0  0
## 800  981  787  0  1768  1  0
## 801  616  1072  0  1688  1  0
## 802  1196  0  0  1196  1  0
## 803  728  728  0  1456  1  0
## 804  1734  1088  0  2822  0  0
```

```
## 805       1128          0            0       1128            0            0
## 806       1428          0            0       1428            0            0
## 807        980          0            0        980            0            0
## 808       1072        504            0       1576            2            0
## 809       1086          0            0       1086            1            0
## 810       1075       1063            0       2138            0            0
## 811       1309          0            0       1309            1            0
## 812        848          0            0        848            1            0
## 813       1044          0            0       1044            0            0
## 814       1442          0            0       1442            0            0
## 815        686        564            0       1250            0            1
## 816       1661          0            0       1661            0            0
## 817       1008          0            0       1008            0            0
## 818       1689          0            0       1689            1            0
## 819       1052          0            0       1052            1            0
## 820       1358          0            0       1358            1            0
## 821        798        842            0       1640            0            0
## 822        936          0            0        936            0            0
## 823        847        886            0       1733            0            0
## 824        944        545            0       1489            0            0
## 825       1489          0            0       1489            0            0
## 826       2084          0            0       2084            1            0
## 827        784          0            0        784            1            0
## 828       1434          0            0       1434            0            0
## 829       1160        966            0       2126            0            1
## 830        520        623           80       1223            0            0
## 831       1392          0            0       1392            1            0
## 832        520        600           80       1200            0            0
## 833        941        888            0       1829            1            0
## 834       1516          0            0       1516            0            0
## 835       1144          0            0       1144            1            0
## 836       1067          0            0       1067            0            0
## 837       1559          0            0       1559            1            0
## 838        483        504            0        987            1            0
## 839       1099          0            0       1099            0            0
## 840        768        432            0       1200            0            0
## 841        810        672            0       1482            0            0
## 842        958        581            0       1539            0            0
## 843       1165          0            0       1165            1            0
## 844       1800          0            0       1800            0            0
## 845        876        540            0       1416            0            0
## 846       1701          0            0       1701            1            0
## 847       1006        769            0       1775            1            0
## 848        864          0            0        864            1            0
## 849       1307       1051            0       2358            0            0
## 850       1094        761            0       1855            0            0
## 851        848          0            0        848            1            0
## 852       1456          0            0       1456            0            0
## 853        918        728            0       1646            0            0
## 854       1445          0            0       1445            0            0
## 855       1779          0            0       1779            1            0
## 856       1040          0            0       1040            1            0
## 857       1026          0            0       1026            1            0
## 858        702        779            0       1481            0            0
```

```
## 859       1370         0           0      1370           0           0
## 860       1512      1142           0      2654           1           0
## 861        912       514           0      1426           0           0
## 862       1039         0           0      1039           1           0
## 863       1097         0           0      1097           0           0
## 864       1148         0           0      1148           1           0
## 865       1372         0           0      1372           0           0
## 866       1002         0           0      1002           1           0
## 867       1646         0           0      1646           0           0
## 868       1120         0           0      1120           1           0
## 869       1547       720          53      2320           0           0
## 870       1062       887           0      1949           1           0
## 871        894         0           0       894           0           0
## 872        804       878           0      1682           0           0
## 873        910         0           0       910           0           0
## 874       1036         0         232      1268           0           0
## 875        676       455           0      1131           0           0
## 876       1184      1426           0      2610           0           0
## 877       1040         0           0      1040           1           0
## 878       1462       762           0      2224           1           0
## 879       1155         0           0      1155           1           0
## 880        864         0           0       864           1           0
## 881       1090         0           0      1090           1           0
## 882       1187       530           0      1717           0           0
## 883        808       785           0      1593           0           0
## 884        954       795         481      2230           1           0
## 885        892         0           0       892           0           0
## 886       1709         0           0      1709           1           0
## 887       1712         0           0      1712           0           0
## 888        872       521           0      1393           0           0
## 889       2217         0           0      2217           1           0
## 890       1505         0           0      1505           1           0
## 891        672       252           0       924           0           0
## 892        918       765           0      1683           0           0
## 893       1068         0           0      1068           0           1
## 894       1383         0           0      1383           1           0
## 895       1535         0           0      1535           0           0
## 896        983       813           0      1796           1           0
## 897        951         0           0       951           0           0
## 898       1120      1120           0      2240           0           0
## 899       2364         0           0      2364           1           0
## 900       1236         0           0      1236           0           0
## 901        858         0           0       858           0           0
## 902       1306         0           0      1306           1           0
## 903        807       702           0      1509           0           0
## 904       1670         0           0      1670           0           0
## 905        902         0           0       902           0           0
## 906       1063         0           0      1063           1           0
## 907       1636         0           0      1636           1           0
## 908       1020      1037           0      2057           0           0
## 909        902         0           0       902           1           0
## 910        742       742           0      1484           0           0
## 911       1105      1169           0      2274           0           0
## 912       1268         0           0      1268           0           0
```

```
## 913       1015          0            0       1015            0            0
## 914       1001       1001            0       2002            0            0
## 915        612        612            0       1224            0            0
## 916        546        546            0       1092            0            0
## 917        480          0            0        480            1            0
## 918       1229          0            0       1229            0            0
## 919        912       1215            0       2127            1            0
## 920       1414          0            0       1414            1            0
## 921        936        785            0       1721            0            1
## 922       1272        928            0       2200            2            0
## 923       1316          0            0       1316            0            0
## 924       1617          0            0       1617            1            0
## 925       1686          0            0       1686            1            0
## 926       1126          0            0       1126            0            1
## 927       1234       1140            0       2374            0            0
## 928       1098        880            0       1978            0            0
## 929       1788          0            0       1788            0            0
## 930        993       1243            0       2236            0            0
## 931       1466          0            0       1466            0            0
## 932        925          0            0        925            0            1
## 933       1905          0            0       1905            0            0
## 934       1500          0            0       1500            0            0
## 935       2069          0            0       2069            1            0
## 936        747          0            0        747            0            0
## 937       1200          0            0       1200            1            0
## 938       1113        858            0       1971            0            0
## 939       1391        571            0       1962            0            0
## 940       1207       1196            0       2403            0            0
## 941       1728          0            0       1728            0            0
## 942       1022       1038            0       2060            1            0
## 943       1440          0            0       1440            2            0
## 944       1632          0            0       1632            0            0
## 945       1344          0            0       1344            0            1
## 946       1188        561          120       1869            0            0
## 947       1144          0            0       1144            1            0
## 948       1629          0            0       1629            1            0
## 949        936        840            0       1776            0            0
## 950       1381          0            0       1381            1            0
## 951        864          0            0        864            1            0
## 952        965          0            0        965            1            0
## 953        768          0            0        768            0            1
## 954       1168        800            0       1968            0            1
## 955        980          0            0        980            0            2
## 956        979        979            0       1958            0            0
## 957        561        668            0       1229            0            0
## 958       1057          0            0       1057            0            0
## 959       1337          0            0       1337            1            0
## 960        696        720            0       1416            1            0
## 961        858          0            0        858            1            0
## 962       1542       1330            0       2872            1            0
## 963        804        744            0       1548            1            0
## 964       1800          0            0       1800            0            0
## 965        824       1070            0       1894            1            0
## 966        783        701            0       1484            0            0
```

```
## 967   976  332    0  1308    1    0
## 968  1098    0    0  1098    1    0
## 969   600  368    0   968    0    0
## 970  1095    0    0  1095    1    0
## 971   720  472    0  1192    0    0
## 972   764  862    0  1626    0    0
## 973   918    0    0   918    0    0
## 974  1428    0    0  1428    0    0
## 975  1136  883    0  2019    0    0
## 976   673  709    0  1382    1    0
## 977   869    0    0   869    0    0
## 978  1241    0    0  1241    1    0
## 979   894    0    0   894    0    0
## 980  1121    0    0  1121    1    0
## 981   999    0    0   999    1    0
## 982  1276 1336    0  2612    1    0
## 983  1266    0    0  1266    0    0
## 984  1149 1141    0  2290    0    0
## 985  1302  432    0  1734    0    0
## 986  1164    0    0  1164    1    0
## 987  1001  634    0  1635    0    0
## 988  1940    0    0  1940    1    0
## 989  1118  912    0  2030    0    0
## 990   778  798    0  1576    0    0
## 991  1407  985    0  2392    1    0
## 992   916  826    0  1742    0    0
## 993  1020  831    0  1851    0    0
## 994   750  750    0  1500    0    0
## 995  1718    0    0  1718    1    0
## 996   774  456    0  1230    1    0
## 997  1050    0    0  1050    1    0
## 998  1442    0    0  1442    0    0
## 999  1077    0    0  1077    0    0
## 1000 1208    0    0  1208    1    0
## 1001  944    0    0   944    0    0
## 1002  691    0    0   691    0    0
## 1003 1574    0    0  1574    0    0
## 1004 1680    0    0  1680    0    0
## 1005 1504    0    0  1504    0    0
## 1006  985    0    0   985    0    0
## 1007 1657    0    0  1657    0    1
## 1008  546  546    0  1092    0    0
## 1009 1710    0    0  1710    0    0
## 1010 1008    0  514  1522    0    0
## 1011  720  551    0  1271    0    0
## 1012 1664    0    0  1664    0    0
## 1013  900  602    0  1502    0    0
## 1014 1022    0    0  1022    1    0
## 1015 1082    0    0  1082    0    0
## 1016  810  855    0  1665    1    0
## 1017 1504    0    0  1504    1    0
## 1018 1360    0    0  1360    1    0
## 1019  802  670    0  1472    0    0
## 1020 1506    0    0  1506    0    0
```

```
## 1021      1132          0             0       1132             1             0
## 1022      1220          0             0       1220             1             0
## 1023       912        336             0       1248             0             0
## 1024      1504          0             0       1504             0             0
## 1025      2898          0             0       2898             1             0
## 1026       882          0             0        882             1             0
## 1027      1264          0             0       1264             1             0
## 1028      1646          0             0       1646             1             0
## 1029       968        408             0       1376             1             0
## 1030       672        546             0       1218             0             1
## 1031       948        980             0       1928             0             0
## 1032      1687        998           397       3082             1             0
## 1033      1352       1168             0       2520             1             0
## 1034      1654          0             0       1654             1             0
## 1035       954          0             0        954             0             0
## 1036       845          0             0        845             0             0
## 1037      1620          0             0       1620             1             0
## 1038      1055       1208             0       2263             0             0
## 1039       798        546             0       1344             0             0
## 1040       630          0             0        630             1             0
## 1041      1803          0             0       1803             1             0
## 1042       800        832             0       1632             0             1
## 1043      1306          0             0       1306             1             0
## 1044      1532        797             0       2329             1             0
## 1045      2524          0             0       2524             1             0
## 1046      1733          0             0       1733             0             0
## 1047      1992        876             0       2868             0             0
## 1048       990          0             0        990             0             1
## 1049      1771          0             0       1771             0             0
## 1050       930          0             0        930             0             0
## 1051      1302          0             0       1302             0             0
## 1052      1316          0             0       1316             0             0
## 1053      1127        850             0       1977             0             1
## 1054      1526          0             0       1526             0             0
## 1055      1091        898             0       1989             1             0
## 1056      1523          0             0       1523             0             1
## 1057      1364          0             0       1364             1             0
## 1058       979        871             0       1850             0             0
## 1059      1130       1054             0       2184             1             0
## 1060      1096        895             0       1991             0             0
## 1061      1338          0             0       1338             1             0
## 1062       894          0             0        894             0             0
## 1063      1422        915             0       2337             0             0
## 1064      1103          0             0       1103             0             0
## 1065      1154          0             0       1154             0             0
## 1066      1306        954             0       2260             1             0
## 1067       799        772             0       1571             0             0
## 1068       798        813             0       1611             1             0
## 1069      1291       1230             0       2521             1             0
## 1070       893          0             0        893             0             1
## 1071      1048          0             0       1048             1             0
## 1072       829        727             0       1556             0             0
## 1073      1002        454             0       1456             1             1
## 1074       698        728             0       1426             0             0
```

```
## 1075      1240          0             0      1240             0             0
## 1076       960        780             0      1740             0             0
## 1077      1096        370             0      1466             0             1
## 1078      1096          0             0      1096             1             0
## 1079       848          0             0       848             1             0
## 1080       990          0             0       990             0             0
## 1081      1258          0             0      1258             0             1
## 1082      1040          0             0      1040             1             0
## 1083      1459          0             0      1459             0             0
## 1084      1251          0             0      1251             1             0
## 1085       691        807             0      1498             0             0
## 1086       996          0             0       996             1             0
## 1087       546        546             0      1092             0             0
## 1088      1082        871             0      1953             0             0
## 1089       970        739             0      1709             0             0
## 1090      1247          0             0      1247             1             0
## 1091      1040          0             0      1040             0             0
## 1092       624        628             0      1252             1             0
## 1093      1390        304             0      1694             0             0
## 1094      1200          0             0      1200             1             0
## 1095       936          0             0       936             1             0
## 1096      1314          0             0      1314             0             0
## 1097       773        582             0      1355             0             0
## 1098      1088          0             0      1088             0             0
## 1099       757        567             0      1324             0             0
## 1100      1601          0             0      1601             0             0
## 1101       438          0             0       438             0             0
## 1102       950          0             0       950             0             0
## 1103      1134          0             0      1134             0             0
## 1104      1194          0             0      1194             0             1
## 1105       630        672             0      1302             0             0
## 1106      1500       1122             0      2622             1             0
## 1107      1442          0             0      1442             1             0
## 1108       887       1134             0      2021             0             0
## 1109       948        742             0      1690             0             0
## 1110      1836          0             0      1836             1             0
## 1111       773        885             0      1658             1             0
## 1112      1098        866             0      1964             0             0
## 1113       816          0             0       816             1             0
## 1114      1008          0             0      1008             1             0
## 1115       833          0             0       833             0             0
## 1116      1734          0             0      1734             1             0
## 1117       779        640             0      1419             1             0
## 1118       894          0             0       894             1             0
## 1119      1021        580             0      1601             0             1
## 1120      1040          0             0      1040             0             0
## 1121      1012          0             0      1012             0             0
## 1122      1552          0             0      1552             0             0
## 1123       960          0             0       960             0             0
## 1124       698          0             0       698             0             1
## 1125       812        670             0      1482             0             0
## 1126      1005          0             0      1005             0             0
## 1127      1555          0             0      1555             0             0
## 1128      1530          0             0      1530             1             0
```

```
## 1129       847      1112            0      1959            0            0
## 1130       936         0            0       936            1            0
## 1131      1328       653            0      1981            1            0
## 1132       974         0            0       974            0            0
## 1133      1178      1032            0      2210            0            0
## 1134      1142       878            0      2020            0            0
## 1135       916       684            0      1600            0            0
## 1136       986         0            0       986            0            0
## 1137      1032       220            0      1252            0            0
## 1138       780       240            0      1020            0            0
## 1139      1567         0            0      1567            1            0
## 1140      1167         0            0      1167            0            0
## 1141       952         0            0       952            1            0
## 1142      1088       780            0      1868            1            0
## 1143      1466      1362            0      2828            1            0
## 1144      1006         0            0      1006            0            0
## 1145       672       252            0       924            1            0
## 1146      1042       534            0      1576            0            0
## 1147      1298         0            0      1298            1            0
## 1148       860       704            0      1564            0            0
## 1149       572       539            0      1111            0            0
##      FullBath HalfBath BedroomAbvGr KitchenAbvGr KitchenQual TotRmsAbvGrd
## 1           2        1            3            1          Gd            8
## 2           2        0            3            1          TA            6
## 3           2        1            3            1          Gd            6
## 4           1        0            3            1          Gd            7
## 5           2        1            4            1          Gd            9
## 6           1        1            1            1          TA            5
## 7           2        0            3            1          Gd            7
## 8           2        1            3            1          TA            7
## 9           2        0            2            2          TA            8
## 10          1        0            2            2          TA            5
## 11          1        0            3            1          TA            5
## 12          3        0            4            1          Ex           11
## 13          1        0            2            1          TA            4
## 14          2        0            3            1          Gd            7
## 15          1        1            2            1          TA            5
## 16          1        0            2            1          TA            5
## 17          1        0            2            1          TA            5
## 18          2        0            2            2          TA            6
## 19          1        1            3            1          Gd            6
## 20          1        0            3            1          TA            6
## 21          3        1            4            1          Gd            9
## 22          1        0            3            1          Gd            6
## 23          2        0            3            1          Gd            7
## 24          1        0            3            1          TA            6
## 25          1        0            3            1          Gd            6
## 26          2        0            3            1          Gd            7
## 27          1        0            3            1          Gd            5
## 28          2        0            3            1          Gd            7
## 29          1        0            2            1          TA            6
## 30          1        0            1            1          Fa            4
## 31          1        0            3            1          TA            6
## 32          1        1            3            1          Gd            6
```

```
## 33      2      0      3      1      Gd      7
## 34      1      1      4      1      Gd      6
## 35      2      0      2      1      Ex      6
## 36      3      1      4      1      Gd      9
## 37      1      1      3      1      TA      6
## 38      1      0      3      1      TA      5
## 39      1      0      3      1      Gd      5
## 40      2      0      2      2      Fa      6
## 41      2      0      3      1      TA      6
## 42      1      1      2      1      TA      5
## 43      1      0      2      1      Gd      5
## 44      1      0      3      1      TA      5
## 45      1      0      3      1      TA      6
## 46      2      0      2      1      Ex      6
## 47      1      1      1      1      Gd      6
## 48      2      0      3      1      Gd      7
## 49      2      0      2      3      TA      8
## 50      1      0      3      1      TA      6
## 51      2      0      3      1      TA      6
## 52      1      0      3      1      TA      6
## 53      1      0      2      1      TA      5
## 54      0      1      0      1      Gd      5
## 55      1      0      3      1      TA      6
## 56      2      0      3      1      TA      7
## 57      2      1      3      1      Gd      7
## 58      2      1      3      1      Gd      7
## 59      3      1      3      1      Gd     10
## 60      1      0      2      1      TA      4
## 61      1      1      3      1      Gd      5
## 62      1      0      3      1      Fa      6
## 63      2      0      2      1      Gd      6
## 64      2      0      3      1      TA      9
## 65      2      1      3      1      Gd      8
## 66      2      1      4      1      Gd      9
## 67      2      0      3      1      TA      7
## 68      2      0      3      1      Gd      7
## 69      1      0      2      1      TA      4
## 70      2      0      3      1      TA      7
## 71      2      0      3      1      TA      8
## 72      1      0      2      1      TA      4
## 73      2      1      3      1      TA      7
## 74      1      0      3      1      TA      6
## 75      2      0      3      2      TA      8
## 76      1      0      2      1      TA      5
## 77      1      0      2      1      TA      4
## 78      1      0      2      1      TA      6
## 79      2      0      4      2      TA      8
## 80      1      1      2      1      TA      5
## 81      2      1      4      1      Gd      8
## 82      2      0      2      1      TA      5
## 83      2      0      3      1      Gd      6
## 84      1      1      3      1      TA      6
## 85      2      1      3      1      TA      7
## 86      2      1      4      1      Gd      9
```

```
## 87      2      1      3      1      Gd      6
## 88      2      1      2      1      Gd      4
## 89      1      0      2      1      Fa      6
## 90      1      0      3      1      TA      5
## 91      1      0      2      1      TA      4
## 92      1      0      2      1      TA      6
## 93      1      0      2      1      TA      5
## 94      2      0      4      2      TA      9
## 95      2      1      3      1      Gd      7
## 96      2      1      3      1      TA      6
## 97      2      0      3      1      Gd      6
## 98      1      0      3      1      TA      6
## 99      1      0      2      1      TA      5
## 100     1      1      3      1      TA      6
## 101     2      0      3      1      Gd      6
## 102     2      1      3      1      Gd      7
## 103     2      0      4      2      TA      8
## 104     2      0      3      1      Gd      6
## 105     1      1      4      1      TA      7
## 106     2      1      3      1      Gd      9
## 107     1      0      2      1      TA      6
## 108     1      0      2      1      TA      5
## 109     2      0      3      1      Fa      7
## 110     2      0      3      1      TA      7
## 111     2      0      4      1      TA      7
## 112     2      1      3      1      TA      7
## 113     2      1      4      1      Ex     10
## 114     2      0      3      1      Gd      7
## 115     2      1      3      1      Gd      9
## 116     2      1      2      1      TA      5
## 117     1      0      3      1      TA      6
## 118     1      1      2      1      TA      5
## 119     3      0      5      1      Gd     11
## 120     2      1      3      1      Gd      8
## 121     1      0      1      1      TA      4
## 122     1      0      3      1      TA      4
## 123     1      0      3      1      TA      5
## 124     2      0      2      1      Gd      5
## 125     2      0      3      1      TA      7
## 126     1      0      2      1      TA      5
## 127     2      0      2      1      TA      5
## 128     1      0      3      1      TA      5
## 129     1      1      3      1      TA      6
## 130     1      1      3      1      Ex      6
## 131     2      1      4      1      Gd      8
## 132     2      1      3      1      Gd      7
## 133     1      0      3      1      Gd      7
## 134     2      0      2      1      Gd      6
## 135     2      1      3      1      TA      7
## 136     2      0      3      1      TA      7
## 137     2      0      3      1      TA      5
## 138     3      0      5      2      TA      9
## 139     2      1      3      1      Gd      7
## 140     2      1      3      1      Gd      7
```

```
## 141     1     0     3     1    TA     5
## 142     2     0     3     1    Gd     7
## 143     2     0     4     1    TA     6
## 144     2     0     3     1    Gd     6
## 145     2     0     6     2    TA    10
## 146     2     0     3     1    Gd     7
## 147     1     0     2     1    TA     5
## 148     2     1     3     1    Gd     8
## 149     1     0     3     1    Gd     6
## 150     1     0     3     1    TA     7
## 151     1     1     3     1    TA     5
## 152     2     0     2     1    Gd     6
## 153     2     1     4     1    TA     8
## 154     1     0     1     1    TA     4
## 155     1     0     4     1    TA     7
## 156     1     0     2     1    TA     5
## 157     1     0     2     1    TA     5
## 158     2     1     4     1    Ex     8
## 159     2     1     3     1    Gd     8
## 160     2     1     4     1    Gd     9
## 161     2     0     3     1    TA     6
## 162     2     1     3     1    Ex    10
## 163     2     0     3     1    Gd     7
## 164     1     0     1     1    TA     4
## 165     2     0     3     1    Gd     5
## 166     2     0     4     2    TA     6
## 167     1     0     2     1    TA     7
## 168     1     1     3     1    Ex     8
## 169     2     1     3     1    Gd     7
## 170     2     1     2     1    TA     6
## 171     1     1     2     1    TA     7
## 172     1     0     3     1    TA     7
## 173     2     0     2     1    Gd     5
## 174     1     1     3     1    TA     6
## 175     2     0     3     1    TA     7
## 176     2     0     4     1    Gd     7
## 177     2     1     4     1    TA     8
## 178     2     0     4     1    Gd     8
## 179     2     0     1     1    Ex     9
## 180     1     0     2     1    TA     5
## 181     2     1     3     1    Gd     5
## 182     1     1     4     1    TA     9
## 183     1     0     3     1    TA     7
## 184     2     1     3     1    Gd     6
## 185     1     0     3     1    TA     5
## 186     2     1     4     1    Ex    12
## 187     2     0     3     1    Gd     6
## 188     2     1     3     1    TA     8
## 189     0     2     2     2    TA     6
## 190     1     1     0     1    Ex     5
## 191     2     1     3     1    Gd    10
## 192     1     1     4     1    Gd     7
## 193     2     0     3     1    Gd     6
## 194     2     0     3     1    Gd     7
```

```
## 195     1     0     3     1     TA    5
## 196     2     1     3     1     TA    7
## 197     2     0     3     1     Ex    8
## 198     2     0     4     1     Gd    8
## 199     1     0     5     1     TA    8
## 200     2     0     3     1     Ex    7
## 201     2     0     2     1     TA    5
## 202     2     0     3     1     TA    6
## 203     2     0     2     1     TA    6
## 204     1     0     1     1     Gd    3
## 205     1     1     2     1     TA    5
## 206     2     0     3     1     TA    5
## 207     1     1     3     1     TA    8
## 208     1     0     3     1     TA    6
## 209     2     1     3     1     TA    7
## 210     1     0     3     1     TA    6
## 211     1     0     2     1     TA    5
## 212     2     0     3     1     Gd    6
## 213     2     1     3     1     Gd    7
## 214     1     0     3     1     TA    5
## 215     1     1     3     1     TA    6
## 216     1     0     2     1     Gd    6
## 217     2     0     3     1     Gd    8
## 218     1     0     3     1     TA    8
## 219     1     1     3     1     Gd    8
## 220     2     0     2     1     Gd    5
## 221     2     0     2     1     Gd    5
## 222     2     1     4     1     Gd    8
## 223     2     1     3     1     TA    6
## 224     1     0     2     1     TA    4
## 225     2     0     3     1     Ex    8
## 226     2     1     3     1     TA    6
## 227     2     1     4     1     Gd    9
## 228     1     1     2     1     TA    5
## 229     1     0     3     1     TA    5
## 230     2     0     2     1     Gd    7
## 231     1     0     3     1     TA    6
## 232     2     1     4     1     Ex    9
## 233     1     1     2     1     TA    5
## 234     1     0     3     1     TA    5
## 235     2     1     4     1     Gd    8
## 236     1     1     2     1     TA    5
## 237     2     0     3     1     Gd    6
## 238     2     1     3     1     Gd    7
## 239     2     0     3     1     Gd    7
## 240     1     1     3     1     TA    7
## 241     2     0     3     1     Gd    7
## 242     1     0     2     1     Gd    4
## 243     1     0     3     1     TA    6
## 244     1     1     3     1     TA    6
## 245     2     1     3     1     Gd    8
## 246     2     0     3     1     TA    6
## 247     2     0     4     2     Fa    9
## 248     1     0     2     1     TA    5
```

```
## 249     2     1     3     1    Gd     8
## 250     2     0     4     1    Gd     7
## 251     1     0     3     1    Fa     6
## 252     2     0     2     1    Gd     5
## 253     2     1     3     1    Gd     6
## 254     2     0     3     1    Gd     7
## 255     1     0     3     1    TA     5
## 256     2     1     4     1    Gd     8
## 257     2     1     3     1    Gd     7
## 258     2     1     3     1    Gd     8
## 259     2     1     3     1    Gd     7
## 260     1     0     2     1    TA     4
## 261     1     0     3     1    TA     6
## 262     2     1     3     1    Ex    10
## 263     1     0     3     1    TA     6
## 264     1     0     3     1    TA     6
## 265     1     0     2     1    TA     4
## 266     2     0     3     1    Gd     7
## 267     2     1     3     1    TA     8
## 268     2     1     4     1    Gd     8
## 269     1     0     2     1    TA     4
## 270     1     1     3     1    TA     6
## 271     2     1     3     1    Gd     8
## 272     1     0     2     1    TA     5
## 273     2     1     4     1    Gd     9
## 274     2     0     3     1    TA     6
## 275     1     0     2     1    TA     5
## 276     2     1     3     1    Ex     5
## 277     2     0     3     1    Gd     7
## 278     1     0     2     1    TA     4
## 279     2     1     3     1    Ex     8
## 280     2     1     4     1    TA     8
## 281     2     1     3     1    Gd     7
## 282     2     0     2     1    Gd     5
## 283     2     0     2     1    Gd     6
## 284     2     0     3     1    Gd     6
## 285     2     0     2     1    Gd     5
## 286     2     1     2     1    Gd     5
## 287     1     1     3     1    Gd     7
## 288     1     0     3     1    TA     5
## 289     1     0     3     1    TA     5
## 290     1     0     3     1    TA     7
## 291     2     1     3     1    Gd     8
## 292     2     0     6     1    Fa     9
## 293     1     1     3     1    TA     8
## 294     2     1     3     1    Gd     9
## 295     1     0     3     1    TA     7
## 296     1     0     3     1    TA     6
## 297     1     1     4     1    TA     6
## 298     2     1     3     1    Gd     7
## 299     1     2     3     1    TA     7
## 300     1     0     3     1    Gd     6
## 301     1     0     2     1    TA     5
## 302     2     1     4     1    Gd     9
```

```
## 303     2     0     3     1     Gd     6
## 304     1     0     3     1     TA     5
## 305     3     0     3     1     Gd    10
## 306     2     0     3     1     Gd     8
## 307     2     1     4     1     Gd     8
## 308     1     0     3     1     Fa     6
## 309     1     0     1     1     TA     4
## 310     2     0     3     1     Ex     8
## 311     2     1     3     1     Gd     6
## 312     1     0     2     1     TA     5
## 313     1     0     3     1     TA     5
## 314     2     0     3     1     TA     8
## 315     1     1     3     1     Ex     6
## 316     2     1     3     1     Gd     6
## 317     2     1     4     1     Ex    10
## 318     2     1     3     1     Gd     8
## 319     2     1     4     1     Gd     9
## 320     2     0     3     1     TA     6
## 321     3     1     4     1     Gd     9
## 322     2     1     4     1     Gd    10
## 323     2     1     4     1     Gd     8
## 324     1     0     3     1     TA     6
## 325     2     1     5     1     Gd    11
## 326     1     0     2     1     TA     5
## 327     1     1     1     1     Gd     6
## 328     1     1     3     1     TA     7
## 329     2     0     5     1     Gd    10
## 330     1     0     3     1     TA     6
## 331     2     0     6     2     TA    10
## 332     1     0     3     1     TA     6
## 333     2     0     3     1     Gd     7
## 334     2     0     2     1     Gd     6
## 335     2     1     3     1     TA     7
## 336     2     0     3     1     TA     7
## 337     2     0     3     1     Gd     8
## 338     2     0     3     1     Gd     7
## 339     2     0     3     1     Gd     8
## 340     1     0     3     1     TA     6
## 341     2     1     4     1     Gd     9
## 342     1     0     2     1     TA     4
## 343     2     0     2     2     TA     6
## 344     2     0     2     1     Ex     6
## 345     1     1     3     1     TA     4
## 346     1     0     3     1     Fa     6
## 347     1     0     2     1     TA     5
## 348     2     0     3     1     TA     6
## 349     2     1     2     1     Gd     6
## 350     2     1     4     1     Ex    10
## 351     2     0     2     1     Ex     6
## 352     1     1     2     1     Gd     6
## 353     1     0     3     1     TA     5
## 354     1     0     2     1     TA     5
## 355     1     0     2     1     TA     6
## 356     2     0     3     1     Gd     6
```

```
## 357     2     0     3     1     Gd     6
## 358     1     1     3     1     TA     6
## 359     1     0     3     1     Gd     6
## 360     2     1     3     1     Gd     7
## 361     1     0     2     1     TA     5
## 362     1     0     3     1     TA     8
## 363     3     0     4     1     Gd     7
## 364     1     1     2     1     Gd     5
## 365     2     1     3     1     TA     6
## 366     1     0     3     1     TA     6
## 367     1     1     3     1     TA     6
## 368     1     0     3     1     TA     6
## 369     1     0     2     1     TA     7
## 370     1     0     3     1     Gd     7
## 371     2     1     3     1     TA     7
## 372     2     0     4     1     TA     7
## 373     1     0     2     1     TA     4
## 374     1     0     3     1     TA     5
## 375     2     1     4     1     Gd     8
## 376     0     1     1     1     Fa     4
## 377     1     0     2     1     TA     5
## 378     3     0     4     1     Gd     8
## 379     1     1     1     1     Ex     8
## 380     2     1     3     1     TA     7
## 381     2     0     3     1     Gd     6
## 382     2     0     2     1     Gd     5
## 383     2     1     3     1     Gd     8
## 384     1     0     2     1     TA     5
## 385     2     1     3     1     Gd     9
## 386     2     0     2     1     Gd     6
## 387     1     0     5     1     TA     8
## 388     1     0     3     1     TA     6
## 389     2     0     3     1     Gd     6
## 390     2     1     3     1     Ex     9
## 391     1     0     4     1     TA     7
## 392     2     1     3     1     Gd     7
## 393     1     0     3     1     TA     5
## 394     1     0     2     1     TA     4
## 395     1     0     2     1     TA     5
## 396     1     0     3     1     TA     6
## 397     1     0     2     1     TA     6
## 398     2     0     4     1     TA     8
## 399     1     0     2     1     TA     6
## 400     2     0     2     1     Gd     7
## 401     1     1     1     1     Ex     4
## 402     2     0     3     1     Gd     6
## 403     1     0     2     1     TA     4
## 404     2     1     4     1     Gd    10
## 405     2     1     3     1     TA     7
## 406     2     0     3     1     TA     8
## 407     1     0     3     1     TA     6
## 408     2     0     4     1     TA     8
## 409     2     1     3     1     Gd     9
## 410     2     1     3     1     Ex     8
```

```
## 411      1      0      3      1      TA      5
## 412      1      0      3      1      TA      5
## 413      2      1      2      1      Gd      7
## 414      1      0      2      1      TA      5
## 415      2      1      3      1      Gd      9
## 416      2      0      3      1      Gd      6
## 417      1      1      3      1      TA      6
## 418      2      1      4      1      TA     10
## 419      1      1      3      1      TA      7
## 420      1      0      3      1      TA      6
## 421      2      0      2      2      TA      8
## 422      2      0      3      1      Gd      8
## 423      1      0      2      1      TA      4
## 424      2      1      4      1      Gd      8
## 425      1      0      2      1      TA      6
## 426      1      1      3      1      TA      6
## 427      2      0      2      1      Gd      5
## 428      1      0      3      1      TA      5
## 429      2      0      2      1      Gd      6
## 430      2      0      3      1      Gd      6
## 431      1      1      2      1      TA      4
## 432      1      0      4      1      TA      7
## 433      1      1      2      1      TA      6
## 434      2      1      3      1      TA      7
## 435      1      0      1      1      TA      3
## 436      2      1      3      1      Gd      6
## 437      1      0      2      1      TA      6
## 438      1      0      2      1      TA      4
## 439      1      0      2      1      Gd      4
## 440      1      0      3      1      Gd      7
## 441      2      0      2      1      Ex     10
## 442      2      0      4      2      Fa      8
## 443      2      0      3      1      TA      8
## 444      2      0      2      1      Gd      6
## 445      2      1      4      1      Gd      8
## 446      1      0      3      1      TA      7
## 447      2      1      2      1      Gd      6
## 448      2      1      4      1      Gd     10
## 449      2      0      3      1      TA      7
## 450      1      1      2      1      TA      6
## 451      1      0      2      1      Gd      5
## 452      2      0      2      1      Gd      5
## 453      2      1      3      1      TA      7
## 454      2      1      3      1      Gd      6
## 455      2      0      4      2      TA      8
## 456      1      1      3      1      TA      6
## 457      1      0      4      1      TA      7
## 458      1      0      2      1      Gd      6
## 459      1      0      3      1      Gd      7
## 460      1      0      3      1      Gd      5
## 461      2      1      3      1      TA      8
## 462      1      0      3      1      Gd      6
## 463      1      0      3      1      TA      5
## 464      1      1      3      1      TA      6
```

```
## 465     2     0     3     1     TA     5
## 466     2     0     2     1     Gd     6
## 467     1     0     2     1     TA     5
## 468     1     1     3     1     Gd     7
## 469     2     0     3     1     Gd     7
## 470     2     1     3     1     Gd     7
## 471     1     1     1     1     Gd     4
## 472     2     1     3     1     TA     8
## 473     1     0     2     1     TA     5
## 474     2     0     2     1     Gd     7
## 475     2     0     2     1     Ex     6
## 476     1     0     2     1     TA     5
## 477     2     0     3     1     Gd     7
## 478     2     1     3     1     Ex     9
## 479     2     0     3     1     Gd     7
## 480     1     0     2     1     TA     7
## 481     2     0     3     1     Gd     8
## 482     2     0     2     1     Ex     6
## 483     1     1     4     1     Ex     7
## 484     2     0     2     1     TA     5
## 485     1     0     3     1     Gd     6
## 486     1     0     3     1     Gd     5
## 487     1     1     3     1     TA     6
## 488     2     0     3     1     TA     7
## 489     2     0     3     2     TA    10
## 490     1     0     1     1     Gd     3
## 491     1     1     3     1     TA     4
## 492     1     0     3     1     Fa     5
## 493     2     1     3     1     TA     8
## 494     1     1     3     1     TA     6
## 495     1     0     2     1     TA     4
## 496     1     0     2     1     TA     4
## 497     3     0     4     1     Gd    10
## 498     2     0     4     1     TA     8
## 499     1     0     3     1     Gd     5
## 500     1     0     2     1     TA     5
## 501     1     1     3     1     TA     7
## 502     2     1     3     1     Gd     7
## 503     1     0     2     1     TA     6
## 504     2     0     1     1     TA     6
## 505     2     1     3     1     TA     6
## 506     2     0     4     2     TA    10
## 507     2     1     3     1     Gd     8
## 508     2     0     2     1     Gd     4
## 509     2     0     3     1     Gd     7
## 510     1     0     3     1     TA     6
## 511     1     0     2     1     TA     6
## 512     2     0     2     1     Gd     6
## 513     1     0     3     1     TA     5
## 514     1     1     3     1     TA     5
## 515     1     0     2     1     TA     5
## 516     2     1     3     1     Ex     9
## 517     2     1     3     1     TA     7
## 518     2     1     3     1     Gd     7
```

```
## 519     2     1     3     1    TA     7
## 520     1     1     3     1    Gd     9
## 521     2     0     3     2    TA     7
## 522     1     1     3     1    TA     6
## 523     2     0     3     1    TA     7
## 524     3     1     3     1    Ex    11
## 525     2     1     3     1    Gd     8
## 526     2     0     3     1    Gd     6
## 527     1     0     2     1    TA     4
## 528     2     1     3     1    Ex    11
## 529     1     0     2     1    TA     5
## 530     3     0     4     2    TA     9
## 531     2     0     3     1    Gd     5
## 532     2     0     3     1    TA     6
## 533     1     0     2     1    TA     5
## 534     1     0     1     1    Fa     2
## 535     2     1     3     1    Gd     6
## 536     1     0     3     1    TA     5
## 537     2     1     3     1    Gd     8
## 538     1     0     3     1    TA     5
## 539     1     1     3     1    TA     7
## 540     2     0     3     1    Gd     6
## 541     2     0     2     1    Ex     8
## 542     2     1     4     1    Gd     8
## 543     2     0     3     1    Gd     7
## 544     1     0     1     1    TA     4
## 545     2     1     3     1    Gd     7
## 546     2     1     4     1    Gd     9
## 547     1     1     3     1    TA     6
## 548     1     0     2     1    TA     5
## 549     1     0     2     1    TA     4
## 550     2     1     4     1    Gd     8
## 551     2     0     2     1    TA     4
## 552     1     0     3     1    TA     5
## 553     2     0     3     1    Gd     7
## 554     2     0     2     1    Gd     5
## 555     2     1     3     1    Gd     8
## 556     1     0     2     1    TA     5
## 557     1     0     2     1    TA     6
## 558     1     1     3     1    TA     7
## 559     2     1     3     1    TA     6
## 560     2     0     2     1    Gd     7
## 561     1     1     3     1    TA     5
## 562     1     0     2     1    TA     6
## 563     1     0     3     1    TA     6
## 564     2     0     4     1    TA     8
## 565     2     1     4     1    Gd     9
## 566     1     1     4     1    Fa     6
## 567     2     1     4     1    Ex    11
## 568     2     0     3     1    Gd     7
## 569     1     1     1     1    Gd     5
## 570     1     0     2     1    TA     4
## 571     2     0     6     2    TA    10
## 572     1     0     2     1    Gd     4
```

```
## 573     2     1     3     1    Gd     6
## 574     2     1     3     1    TA     8
## 575     1     0     3     1    TA     5
## 576     1     0     2     1    TA     6
## 577     2     0     3     1    TA     6
## 578     1     0     3     1    TA     6
## 579     2     0     2     1    Gd     5
## 580     2     0     4     1    TA     7
## 581     1     0     3     1    Gd     7
## 582     2     1     3     1    Ex     8
## 583     1     0     3     1    TA     5
## 584     3     1     3     1    Gd     9
## 585     1     0     3     1    Gd     6
## 586     2     0     2     1    Gd     7
## 587     1     0     2     1    Fa     5
## 588     1     0     2     1    TA     4
## 589     1     0     1     1    Ex     5
## 590     1     0     2     1    TA     4
## 591     2     1     3     1    Gd     6
## 592     2     1     3     1    Ex    10
## 593     1     0     2     1    TA     4
## 594     1     0     1     1    Gd     4
## 595     1     0     3     1    TA     5
## 596     2     0     3     1    Gd     7
## 597     1     0     3     1    TA     7
## 598     0     2     2     1    Gd     7
## 599     2     0     3     1    Gd     7
## 600     2     1     3     1    TA     6
## 601     2     1     3     1    Ex     8
## 602     1     1     3     1    Gd     6
## 603     2     1     3     1    Gd     8
## 604     2     1     2     1    Gd     4
## 605     2     0     3     1    Gd     6
## 606     2     1     3     1    TA     7
## 607     1     0     3     1    Gd     6
## 608     3     0     3     1    Ex     8
## 609     2     1     4     1    TA    10
## 610     1     0     3     1    TA     5
## 611     2     1     3     1    Ex     8
## 612     2     0     3     1    TA     6
## 613     2     1     3     1    Ex     7
## 614     1     0     3     1    TA     6
## 615     1     0     1     1    TA     3
## 616     1     0     3     1    Gd     6
## 617     2     1     3     1    Gd     7
## 618     1     0     2     1    Gd     4
## 619     2     0     3     1    Gd     9
## 620     2     1     4     1    Gd    10
## 621     1     0     2     1    TA     5
## 622     2     1     4     1    TA     9
## 623     1     0     3     1    TA     6
## 624     2     1     2     1    Gd     4
## 625     1     2     4     1    TA     8
## 626     1     1     3     1    TA     5
```

```
## 627     1     0     3     1     TA     6
## 628     1     0     3     1     TA     7
## 629     1     2     5     1     Fa     9
## 630     1     1     3     1     TA     6
## 631     1     0     3     1     Ex     8
## 632     2     0     2     1     Gd     6
## 633     2     0     3     1     TA     6
## 634     1     0     3     1     TA     6
## 635     0     0     0     2     TA     4
## 636     2     0     8     2     Fa    14
## 637     1     0     1     1     Fa     4
## 638     2     0     3     2     Gd     7
## 639     1     0     2     1     TA     4
## 640     2     0     1     1     Ex     7
## 641     1     1     1     1     Ex     6
## 642     2     1     3     1     Gd     7
## 643     2     1     4     1     Ex     9
## 644     2     1     4     1     TA     7
## 645     2     1     2     1     Ex     7
## 646     1     1     3     1     TA     5
## 647     1     0     3     1     TA     7
## 648     1     0     3     1     TA     5
## 649     1     1     4     1     TA     7
## 650     1     0     1     1     TA     3
## 651     2     1     3     1     Gd     7
## 652     1     0     4     1     TA     7
## 653     2     1     2     1     Gd     7
## 654     1     0     3     1     TA     7
## 655     2     1     2     1     Gd     7
## 656     1     1     3     1     TA     6
## 657     1     1     3     1     Gd     5
## 658     1     1     3     1     TA     6
## 659     1     0     3     1     TA     6
## 660     1     0     3     1     TA     7
## 661     2     1     3     1     TA     7
## 662     2     1     4     1     Gd     8
## 663     1     0     2     1     TA     5
## 664     2     0     3     1     TA     6
## 665     1     1     1     1     Ex     8
## 666     2     1     3     1     Gd     7
## 667     2     1     3     1     TA     7
## 668     2     0     3     1     Gd     7
## 669     1     1     3     1     TA     6
## 670     1     0     2     1     Fa     5
## 671     2     1     3     1     Gd     7
## 672     2     0     3     1     TA     6
## 673     1     1     3     1     TA     6
## 674     2     0     3     1     Gd     7
## 675     1     0     3     1     TA     5
## 676     2     1     3     1     TA     7
## 677     2     0     4     2     TA     8
## 678     1     0     2     1     Gd     5
## 679     2     1     3     1     Gd     7
## 680     1     0     3     1     TA     5
```

```
## 681     2     0     2     1     TA     5
## 682     1     0     3     1     TA     6
## 683     1     0     2     1     Gd     6
## 684     2     0     3     1     Gd     7
## 685     2     1     4     1     TA     7
## 686     2     0     3     1     Gd     6
## 687     3     0     3     1     Gd     7
## 688     2     1     2     1     Gd     4
## 689     2     0     2     1     Gd     7
## 690     2     0     2     1     Gd     6
## 691     1     0     1     1     Gd     3
## 692     3     1     4     1     Ex    10
## 693     2     1     4     1     Gd     9
## 694     1     0     2     1     TA     4
## 695     1     1     3     1     TA     5
## 696     2     0     2     1     Gd     5
## 697     1     0     2     1     TA     4
## 698     1     0     2     1     TA     6
## 699     1     0     3     1     TA     5
## 700     2     0     2     1     Gd     5
## 701     2     0     3     1     Gd     7
## 702     1     1     3     1     TA     6
## 703     2     1     4     1     Ex    10
## 704     2     0     4     2     Gd     8
## 705     2     0     3     1     Gd     7
## 706     2     0     3     2     Fa     7
## 707     2     0     2     1     Gd     5
## 708     2     0     2     1     Gd     6
## 709     2     1     3     1     Gd     8
## 710     1     0     3     1     TA     6
## 711     1     0     2     1     TA     5
## 712     1     0     2     1     TA     7
## 713     2     0     2     1     Gd     5
## 714     1     0     3     1     TA     6
## 715     2     1     3     1     Gd     6
## 716     2     0     3     1     TA     7
## 717     1     1     3     1     TA     8
## 718     1     1     3     1     Gd     5
## 719     2     1     3     1     Gd     9
## 720     1     1     3     1     TA     5
## 721     2     0     2     1     Gd     5
## 722     1     0     1     1     Gd     3
## 723     1     0     3     1     TA     5
## 724     2     0     4     1     TA     7
## 725     2     0     3     1     Ex     8
## 726     1     0     3     1     Gd     5
## 727     2     0     3     1     Gd     5
## 728     2     0     2     1     Gd     6
## 729     2     0     4     2     TA     9
## 730     1     0     2     1     TA     5
## 731     2     0     2     1     Gd     5
## 732     2     0     3     1     Gd     6
## 733     2     1     3     1     Gd     8
## 734     1     0     3     1     TA     6
```

```
## 735     1     0     3     1    TA     6
## 736     1     1     2     1    TA     6
## 737     2     0     2     2    TA     6
## 738     2     1     3     1    Gd     8
## 739     3     0     3     1    TA     5
## 740     2     1     3     1    Gd     7
## 741     2     0     2     1    TA     7
## 742     1     0     3     1    Gd     5
## 743     2     0     3     1    TA     6
## 744     2     0     3     1    TA     6
## 745     2     0     2     1    Gd     5
## 746     3     1     4     1    Gd    11
## 747     2     1     4     1    Gd     8
## 748     1     1     4     1    Gd     8
## 749     2     0     3     1    Gd     7
## 750     2     0     4     1    TA     9
## 751     1     0     3     1    TA     7
## 752     2     1     3     1    Gd     6
## 753     2     0     3     1    Gd     6
## 754     2     1     3     1    Ex     8
## 755     1     0     3     1    Gd     5
## 756     2     1     3     1    TA     6
## 757     2     1     3     1    Gd     7
## 758     2     1     3     1    TA     6
## 759     2     1     3     1    TA     6
## 760     2     1     4     1    Gd     9
## 761     1     0     2     1    TA     5
## 762     1     0     2     1    Fa     5
## 763     2     1     3     1    Gd     7
## 764     2     1     3     1    Gd     8
## 765     1     1     2     1    Ex     6
## 766     2     0     2     1    Ex     6
## 767     2     1     3     1    TA     7
## 768     2     0     4     1    TA     7
## 769     2     0     3     1    Gd     8
## 770     3     1     4     1    Ex    12
## 771     1     0     2     1    TA     5
## 772     1     0     2     1    TA     6
## 773     1     0     3     1    TA     6
## 774     1     0     2     1    TA     5
## 775     2     0     3     1    Gd     9
## 776     2     0     2     1    TA     5
## 777     2     0     3     1    Gd     7
## 778     1     0     3     1    TA     5
## 779     2     0     4     2    TA    10
## 780     1     0     2     1    TA     4
## 781     2     0     3     1    TA     6
## 782     2     1     3     1    Gd     7
## 783     2     0     3     1    Gd     6
## 784     1     0     1     1    Gd     4
## 785     2     0     3     1    TA     9
## 786     2     0     3     1    TA     7
## 787     2     0     4     1    TA     7
## 788     2     1     4     1    Gd     8
```

```
## 789     1     0     2     1     TA     4
## 790     2     1     5     1     Gd     9
## 791     2     0     2     1     Gd     5
## 792     1     0     3     1     TA     5
## 793     2     1     3     1     TA     8
## 794     2     0     3     1     Gd     7
## 795     2     1     3     1     Gd     7
## 796     2     1     3     1     TA     7
## 797     1     1     3     1     TA     7
## 798     1     0     2     1     TA     4
## 799     3     1     4     1     Ex    11
## 800     1     1     3     1     Gd     7
## 801     2     1     4     1     Gd     8
## 802     1     0     2     1     TA     5
## 803     2     1     3     1     Gd     7
## 804     3     1     4     1     Ex    12
## 805     1     0     2     1     TA     5
## 806     2     0     3     1     Ex     6
## 807     2     0     3     1     TA     6
## 808     1     1     3     1     Gd     6
## 809     1     0     3     1     TA     6
## 810     2     0     2     3     TA    11
## 811     1     1     3     1     Gd     5
## 812     1     0     1     1     Gd     4
## 813     1     0     2     1     Fa     4
## 814     1     1     4     1     TA     7
## 815     1     1     3     1     Fa     7
## 816     2     0     3     1     Gd     6
## 817     1     0     2     1     TA     4
## 818     2     0     3     1     Gd     7
## 819     1     0     3     1     TA     6
## 820     2     0     2     1     Gd     6
## 821     2     1     3     1     Gd     6
## 822     1     0     2     1     TA     4
## 823     2     1     3     1     Gd     7
## 824     2     0     3     1     TA     7
## 825     2     0     3     1     Gd     7
## 826     2     0     2     1     Ex     7
## 827     1     0     2     1     Gd     5
## 828     2     0     3     1     Gd     6
## 829     2     1     3     1     TA     7
## 830     2     1     2     1     Gd     4
## 831     1     1     3     1     TA     6
## 832     2     1     2     1     Gd     4
## 833     2     1     3     1     Gd     7
## 834     1     1     3     1     TA     6
## 835     1     0     3     1     TA     6
## 836     2     0     2     1     Gd     4
## 837     1     0     2     1     TA     5
## 838     1     1     2     1     TA     5
## 839     1     1     3     1     Gd     6
## 840     1     0     3     1     TA     6
## 841     2     0     4     1     Fa     7
## 842     2     0     3     1     Gd     8
```

```
## 843     1     1     3     1    TA     6
## 844     2     0     6     2    TA    10
## 845     1     1     4     1    TA     7
## 846     2     0     3     1    TA     6
## 847     2     1     3     1    Gd     7
## 848     1     0     3     1    TA     5
## 849     3     0     5     1    TA    10
## 850     2     1     3     1    TA     7
## 851     1     0     1     1    Gd     3
## 852     2     0     2     1    Gd     7
## 853     2     0     4     1    TA     7
## 854     1     1     3     1    TA     7
## 855     1     1     3     1    TA     6
## 856     1     1     3     1    TA     6
## 857     1     0     3     1    TA     5
## 858     2     1     3     1    TA     6
## 859     2     0     3     1    TA     6
## 860     2     1     4     1    Gd     9
## 861     1     1     3     1    Gd     7
## 862     1     1     3     1    TA     6
## 863     2     0     3     1    TA     6
## 864     1     0     3     1    TA     6
## 865     2     0     3     1    Gd     6
## 866     1     0     3     1    TA     5
## 867     2     0     3     1    Gd     6
## 868     1     1     3     1    Fa     5
## 869     2     0     2     1    TA     7
## 870     2     1     3     1    Gd     8
## 871     1     0     2     1    TA     5
## 872     2     1     3     1    Gd     7
## 873     1     0     3     1    Gd     5
## 874     1     0     3     1    TA     6
## 875     1     1     3     1    TA     5
## 876     2     1     4     1    Ex    11
## 877     1     0     3     1    TA     5
## 878     2     1     4     1    Ex    10
## 879     1     0     3     1    Gd     6
## 880     1     0     3     1    TA     6
## 881     1     1     2     1    TA     5
## 882     2     1     3     1    Gd     7
## 883     2     1     3     1    TA     7
## 884     1     0     5     1    TA    10
## 885     1     0     3     1    TA     5
## 886     2     0     2     1    Gd     5
## 887     2     0     4     2    TA     8
## 888     1     1     3     1    TA     8
## 889     2     0     4     1    Gd     8
## 890     1     0     2     1    TA     6
## 891     1     0     3     1    TA     6
## 892     2     1     3     1    TA     7
## 893     1     0     3     1    TA     6
## 894     1     0     3     1    TA     6
## 895     2     0     4     2    TA     8
## 896     1     1     4     1    TA     8
```

```
## 897     1     0     2     1     TA     6
## 898     2     0     6     2     TA    12
## 899     2     1     2     1     Ex    11
## 900     1     0     3     1     TA     6
## 901     1     0     2     1     TA     4
## 902     1     0     2     1     TA     5
## 903     2     1     3     1     Gd     8
## 904     2     0     3     1     Gd     7
## 905     1     0     3     1     TA     6
## 906     1     0     3     1     TA     6
## 907     2     0     3     1     Gd     8
## 908     1     1     3     1     Gd     6
## 909     1     0     2     1     TA     5
## 910     2     1     3     1     Gd     8
## 911     2     0     5     2     TA    12
## 912     1     1     3     1     Gd     5
## 913     1     0     3     1     TA     6
## 914     2     0     4     2     TA     8
## 915     2     1     2     1     Gd     4
## 916     1     1     3     1     TA     6
## 917     0     0     1     1     TA     4
## 918     1     0     3     1     TA     6
## 919     2     1     4     1     Gd     8
## 920     1     0     3     1     TA     6
## 921     2     1     3     1     Gd     7
## 922     2     2     4     2     TA     9
## 923     2     0     3     1     Gd     6
## 924     2     0     2     1     Gd     5
## 925     2     0     3     1     TA     7
## 926     2     0     3     1     Ex     6
## 927     2     1     4     1     Ex    10
## 928     2     1     4     1     TA     9
## 929     2     0     3     1     Ex     7
## 930     2     1     4     1     Gd     8
## 931     2     0     3     1     Gd     7
## 932     1     0     2     1     TA     5
## 933     2     0     3     1     Ex     8
## 934     2     0     3     1     Gd     6
## 935     2     0     4     1     Gd     9
## 936     1     0     1     1     TA     5
## 937     2     0     2     1     Gd     5
## 938     2     1     3     1     Gd     8
## 939     2     1     3     1     Gd     7
## 940     2     0     4     1     TA    10
## 941     2     0     4     2     TA     8
## 942     2     1     3     1     Gd     8
## 943     2     0     4     2     TA     8
## 944     2     0     4     2     TA     8
## 945     1     0     3     1     Gd     7
## 946     1     0     2     1     TA     7
## 947     1     0     3     1     TA     6
## 948     2     0     3     1     Gd     9
## 949     2     1     3     1     Gd     7
## 950     1     1     3     1     Gd     5
```

```
## 951          1          0          3          1          Gd          5
## 952          1          0          3          1          TA          6
## 953          1          0          2          1          TA          5
## 954          2          1          4          1          TA          7
## 955          2          0          4          0          TA          4
## 956          2          0          4          2          TA          8
## 957          1          1          2          1          TA          5
## 958          1          0          3          1          TA          6
## 959          2          0          3          1          Gd          6
## 960          2          1          3          1          Gd          6
## 961          1          0          2          1          TA          4
## 962          2          1          4          1          TA         11
## 963          2          1          3          1          Gd          7
## 964          2          0          2          1          Ex          7
## 965          2          1          4          1          Gd          8
## 966          2          1          3          1          Gd          8
## 967          1          1          2          1          TA          7
## 968          1          0          3          1          TA          6
## 969          1          0          2          1          TA          6
## 970          1          0          2          1          TA          6
## 971          1          1          4          1          TA          6
## 972          2          0          2          1          Gd          6
## 973          2          0          2          1          TA          5
## 974          2          0          3          1          Gd          6
## 975          1          0          3          1          Gd          8
## 976          2          1          3          1          Gd          6
## 977          1          0          2          1          Fa          4
## 978          1          1          1          1          Gd          4
## 979          1          0          3          1          TA          5
## 980          1          0          3          1          TA          5
## 981          1          0          3          1          Ex          6
## 982          2          1          4          1          Gd          8
## 983          2          0          2          1          Gd          6
## 984          2          1          4          1          Gd          9
## 985          2          0          4          2          Gd          8
## 986          1          0          3          1          TA          5
## 987          1          0          2          1          Gd          5
## 988          2          1          3          1          Ex          8
## 989          2          1          4          1          Gd          8
## 990          2          1          3          1          Gd          6
## 991          2          1          3          1          Gd          7
## 992          1          1          4          1          Gd          8
## 993          2          1          3          1          Gd          7
## 994          2          1          3          1          Gd          6
## 995          2          0          3          1          Ex          7
## 996          1          1          3          1          TA          5
## 997          1          0          3          1          TA          6
## 998          2          0          2          1          TA          6
## 999          1          0          3          1          TA          6
## 1000         2          0          2          1          Gd          6
## 1001         1          0          2          1          Fa          4
## 1002         1          0          2          1          Ex          4
## 1003         2          0          3          1          Gd          7
## 1004         2          0          4          2          TA          8
```

```
## 1005      2      0      1      1     Gd      7
## 1006      2      0      3      1     TA      6
## 1007      2      0      3      1     TA      7
## 1008      1      1      3      1     TA      6
## 1009      2      0      3      1     Gd      7
## 1010      2      0      4      1     TA      7
## 1011      2      0      4      1     TA      7
## 1012      2      0      4      2     TA      8
## 1013      1      1      3      1     Gd      7
## 1014      1      0      2      1     TA      4
## 1015      1      0      2      1     TA      5
## 1016      2      1      3      1     Gd      6
## 1017      2      0      3      1     Gd      6
## 1018      1      0      1      1     Gd      4
## 1019      2      1      3      1     Gd      7
## 1020      2      0      2      1     Gd      6
## 1021      1      1      2      1     Gd      5
## 1022      2      0      2      1     Gd      6
## 1023      1      0      2      1     TA      6
## 1024      2      0      2      1     Gd      7
## 1025      2      0      2      1     Gd     10
## 1026      1      0      3      1     TA      5
## 1027      1      0      3      1     TA      6
## 1028      2      0      3      1     Gd      7
## 1029      1      0      3      1     TA      6
## 1030      1      1      3      1     TA      7
## 1031      2      0      5      2     TA     10
## 1032      2      1      5      1     TA     12
## 1033      2      1      5      1     Gd     10
## 1034      2      0      3      1     Gd      6
## 1035      1      0      2      1     Fa      5
## 1036      1      0      3      1     TA      5
## 1037      2      0      2      1     Ex      6
## 1038      2      1      3      1     Gd      7
## 1039      1      1      3      1     TA      6
## 1040      1      0      1      1     TA      3
## 1041      2      0      3      1     TA      8
## 1042      1      1      4      1     Gd      7
## 1043      2      0      1      1     Gd      5
## 1044      2      1      4      1     Gd     10
## 1045      2      1      4      1     Gd      9
## 1046      2      0      4      1     TA      8
## 1047      3      1      4      1     Ex     11
## 1048      1      0      3      1     TA      5
## 1049      1      0      3      1     TA      9
## 1050      1      0      2      1     Gd      6
## 1051      2      0      3      1     Gd      6
## 1052      2      0      3      1     Gd      6
## 1053      1      1      4      1     TA      9
## 1054      1      0      4      1     TA      7
## 1055      2      1      3      1     Gd      7
## 1056      2      0      3      1     TA      7
## 1057      2      0      2      1     Gd      6
## 1058      2      1      3      1     Gd      7
```

```
## 1059     2     1     3     1     Ex    10
## 1060     1     1     3     1     TA     7
## 1061     2     0     2     1     Gd     6
## 1062     1     0     2     1     TA     6
## 1063     2     0     5     2     TA    10
## 1064     1     0     2     1     Gd     5
## 1065     1     1     3     1     TA     6
## 1066     2     1     3     1     Gd     7
## 1067     2     1     3     1     TA     7
## 1068     1     1     4     1     TA     7
## 1069     2     1     5     1     TA    10
## 1070     1     0     2     1     Gd     4
## 1071     1     0     3     1     TA     6
## 1072     1     1     4     1     TA     8
## 1073     1     0     4     1     TA     7
## 1074     1     1     3     1     TA     6
## 1075     2     0     2     1     Gd     5
## 1076     1     1     3     1     TA     6
## 1077     2     0     3     1     Gd     7
## 1078     1     0     3     1     TA     6
## 1079     1     0     1     1     Gd     3
## 1080     1     0     3     1     TA     5
## 1081     2     0     3     1     Gd     5
## 1082     1     1     3     1     TA     5
## 1083     2     0     3     1     Gd     6
## 1084     1     0     3     1     TA     6
## 1085     2     1     3     1     TA     6
## 1086     1     0     2     1     Gd     5
## 1087     1     1     3     1     TA     6
## 1088     2     1     3     1     Gd     9
## 1089     2     0     3     1     Gd     7
## 1090     1     1     1     1     Gd     4
## 1091     2     0     2     2     TA     6
## 1092     2     1     2     1     Gd     4
## 1093     2     0     4     1     TA     7
## 1094     1     1     1     1     Gd     6
## 1095     1     0     2     1     TA     4
## 1096     2     0     3     1     Gd     6
## 1097     1     1     3     1     Gd     7
## 1098     1     1     2     1     Gd     5
## 1099     1     0     3     1     TA     6
## 1100     2     0     3     1     TA     7
## 1101     1     0     1     1     Fa     3
## 1102     1     0     3     1     TA     5
## 1103     1     0     2     1     TA     6
## 1104     1     0     3     1     TA     6
## 1105     2     1     3     1     TA     6
## 1106     2     1     3     1     Gd     9
## 1107     2     0     3     1     Gd     6
## 1108     2     1     3     1     Gd     9
## 1109     2     1     3     1     TA     7
## 1110     2     0     3     1     Gd     7
## 1111     2     1     3     1     TA     8
## 1112     2     1     4     1     TA     8
```

```
## 1113        1        0            2            1          TA            5
## 1114        1        0            2            1          Gd            6
## 1115        1        0            2            1          Gd            4
## 1116        2        0            3            1          Ex            7
## 1117        2        1            3            1          Gd            7
## 1118        1        0            3            1          Gd            5
## 1119        1        0            3            1          TA            6
## 1120        1        0            3            1          TA            6
## 1121        1        0            2            1          TA            6
## 1122        2        0            3            1          Gd            7
## 1123        1        0            3            1          TA            5
## 1124        1        0            2            1          TA            4
## 1125        2        1            3            1          Gd            7
## 1126        1        0            2            1          Fa            5
## 1127        2        0            2            1          Gd            7
## 1128        2        0            3            1          Gd            7
## 1129        2        1            4            1          Gd            8
## 1130        1        0            2            1          TA            4
## 1131        2        0            4            1          Gd            7
## 1132        1        0            3            1          TA            5
## 1133        2        0            5            1          Fa            8
## 1134        2        1            3            1          Gd            8
## 1135        2        1            3            1          TA            7
## 1136        1        0            2            1          TA            5
## 1137        1        0            3            1          TA            6
## 1138        1        0            2            1          TA            6
## 1139        2        0            2            1          Gd            5
## 1140        1        0            3            1          TA            6
## 1141        1        0            2            1          TA            4
## 1142        2        1            4            1          Gd            9
## 1143        3        0            4            1          Gd           11
## 1144        1        0            3            1          TA            5
## 1145        1        0            2            1          Fa            5
## 1146        1        0            3            1          TA            8
## 1147        2        0            3            1          Gd            5
## 1148        1        1            3            1          Fa            7
## 1149        1        0            2            1          TA            5
##      Functional Fireplaces FireplaceQu GarageType GarageYrBlt GarageFinish
## 1           Typ          0        <NA>     Attchd        2003          RFn
## 2           Typ          1          TA     Attchd        1976          RFn
## 3           Typ          1          TA     Attchd        2001          RFn
## 4           Typ          1          Gd     Detchd        1998          Unf
## 5           Typ          1          TA     Attchd        2000          RFn
## 6           Typ          0        <NA>     Attchd        1993          Unf
## 7           Typ          1          Gd     Attchd        2004          RFn
## 8           Typ          2          TA     Attchd        1973          RFn
## 9          Min1          2          TA     Detchd        1931          Unf
## 10          Typ          2          TA     Attchd        1939          RFn
## 11          Typ          0        <NA>     Detchd        1965          Unf
## 12          Typ          2          Gd    BuiltIn        2005          Fin
## 13          Typ          0        <NA>     Detchd        1962          Unf
## 14          Typ          1          Gd     Attchd        2006          RFn
## 15          Typ          1          Fa     Attchd        1960          RFn
## 16          Typ          0        <NA>     Detchd        1991          Unf
```

```
## 17          Typ          1          TA     Attchd        1970          Fin
## 18          Typ          0        <NA>    CarPort        1967          Unf
## 19          Typ          0        <NA>     Detchd        2004          Unf
## 20         Min1          0        <NA>     Attchd        1958          Unf
## 21          Typ          1          Gd    BuiltIn        2005          RFn
## 22          Typ          1          Gd     Attchd        1930          Unf
## 23          Typ          1          Gd     Attchd        2002          RFn
## 24          Typ          1          TA     Attchd        1976          Unf
## 25          Typ          1          TA     Attchd        1968          Unf
## 26          Typ          1          Gd     Attchd        2007          RFn
## 27          Typ          0        <NA>     Detchd        2005          Unf
## 28          Typ          1          Gd     Attchd        2008          RFn
## 29          Typ          2          Gd     Attchd        1957          RFn
## 30          Typ          0        <NA>     Detchd        1920          Unf
## 31          Typ          0        <NA>     Detchd        1920          Unf
## 32          Typ          0        <NA>     Attchd        1966          Unf
## 33          Typ          0        <NA>     Attchd        2007          RFn
## 34          Typ          1          Gd     Attchd        1959          RFn
## 35          Typ          1          Gd     Attchd        2005          Fin
## 36          Typ          1          Gd    BuiltIn        2004          Fin
## 37          Typ          0        <NA>     Attchd        1995          Unf
## 38          Typ          1          TA     Attchd        1954          Fin
## 39          Typ          0        <NA>     Detchd        1953          Unf
## 40          Typ          0        <NA>       <NA>          NA        <NA>
## 41          Typ          1          TA     Attchd        1965          RFn
## 42          Typ          2          Gd     Attchd        1959          RFn
## 43          Typ          0        <NA>     Attchd        1983          RFn
## 44          Typ          0        <NA>     Detchd        1977          Unf
## 45          Typ          0        <NA>     Attchd        1959          RFn
## 46          Typ          1          Gd     Attchd        2005          RFn
## 47          Typ          1          Ex     Attchd        2003          RFn
## 48          Typ          0        <NA>     Attchd        2006          RFn
## 49          Typ          0        <NA>       <NA>          NA        <NA>
## 50          Typ          0        <NA>     Attchd        1966          Unf
## 51          Typ          0        <NA>     Attchd        1997          Fin
## 52          Typ          1          Gd     Detchd        1985          Unf
## 53          Typ          0        <NA>    CarPort        1963          Unf
## 54          Typ          1          Gd     Attchd        1981          Fin
## 55         Min1          1          TA     Detchd        1962          Unf
## 56          Typ          1          Gd     Attchd        1964          RFn
## 57          Typ          0        <NA>     Attchd        1999          Fin
## 58          Typ          0        <NA>     Attchd        2004          RFn
## 59          Typ          1          Gd    BuiltIn        2006          Fin
## 60          Typ          0        <NA>     Detchd        1973          Unf
## 61          Typ          0        <NA>     Detchd        2006          Unf
## 62          Typ          0        <NA>     Detchd        1935          Unf
## 63          Typ          1          Gd     Attchd        2006          RFn
## 64          Typ          0        <NA>     Detchd        1990          Unf
## 65          Typ          0        <NA>     Attchd        1998          RFn
## 66          Typ          1          Gd    BuiltIn        2004          RFn
## 67         Min1          1          Gd     Attchd        1970          RFn
## 68          Typ          0        <NA>     Attchd        2003          RFn
## 69          Typ          0        <NA>     Attchd        1945          Unf
## 70          Typ          1          TA     Attchd        1953          Fin
```

```
## 71          Typ          2          Gd     Attchd        1973          Fin
## 72          Typ          0        <NA>     Detchd        1987          Unf
## 73          Typ          1          TA     Attchd        1998          Fin
## 74          Typ          0        <NA>     Attchd        1989          Unf
## 75          Typ          0        <NA>     Detchd        1915          Unf
## 76          Typ          0        <NA>    BuiltIn        1973          Unf
## 77          Typ          0        <NA>     Detchd        1956          Unf
## 78         Min1          0        <NA>     Detchd        1948          Unf
## 79          Typ          0        <NA>       <NA>          NA        <NA>
## 80          Typ          0        <NA>     Detchd        1966          Unf
## 81          Typ          1          Gd     Attchd        1968          Fin
## 82          Typ          0        <NA>     Attchd        1998          Fin
## 83          Typ          1          Gd     Attchd        2007          RFn
## 84          Typ          0        <NA>     Detchd        1974          Unf
## 85          Typ          1          TA    BuiltIn        1995          Fin
## 86          Typ          1          TA     Attchd        1991          Unf
## 87          Typ          1          Gd    BuiltIn        2005          Fin
## 88          Typ          0        <NA>     Detchd        2009          RFn
## 89          Typ          0        <NA>       <NA>          NA        <NA>
## 90          Typ          0        <NA>       <NA>          NA        <NA>
## 91          Typ          0        <NA>     Detchd        1950          Unf
## 92          Typ          0        <NA>     Attchd        1961          Unf
## 93          Typ          0        <NA>     Detchd        1921          Unf
## 94          Typ          1          Gd     Detchd        1900          Unf
## 95          Typ          0        <NA>     Attchd        1997          RFn
## 96          Typ          1          TA    BuiltIn        1993          Fin
## 97          Typ          0        <NA>     Attchd        1999          RFn
## 98          Typ          0        <NA>     Attchd        1965          Fin
## 99          Typ          0        <NA>    Basment        1920          Unf
## 100         Typ          0        <NA>       <NA>          NA        <NA>
## 101         Typ          2          TA     Attchd        1977          RFn
## 102         Typ          1          TA     Attchd        1985          Fin
## 103         Typ          0        <NA>     Attchd        1979          Unf
## 104         Typ          0        <NA>     Attchd        2009          RFn
## 105         Typ          2          TA     Detchd        1951          Unf
## 106         Typ          1          Gd     Attchd        2003          RFn
## 107         Typ          0        <NA>     Detchd        1954          Unf
## 108         Typ          0        <NA>     Detchd        1948          Unf
## 109         Typ          0        <NA>       <NA>          NA        <NA>
## 110         Typ          1          TA     Attchd        1977          RFn
## 111         Typ          0        <NA>     Attchd        1954          Unf
## 112         Typ          1          TA    BuiltIn        2000          Fin
## 113         Typ          1          Gd    BuiltIn        2007          Fin
## 114         Typ          2          Gd    Basment        1953          Unf
## 115         Typ          1          TA     Detchd        1945          Unf
## 116         Typ          1          Fa     Detchd        1999          Unf
## 117         Typ          1          Po     Attchd        1962          Unf
## 118         Typ          0        <NA>     Attchd        2007          Unf
## 119         Typ          2          TA     Attchd        1990          Unf
## 120         Typ          1          Gd     Attchd        2005          Fin
## 121         Typ          2          TA     Attchd        1969          Unf
## 122         Typ          0        <NA>     Detchd        1979          Unf
## 123         Typ          0        <NA>     Attchd        1958          Unf
## 124         Typ          0        <NA>     Attchd        1993          RFn
```

```
## 125        Typ          1          TA     Attchd        1979          Unf
## 126        Typ          0        <NA>       <NA>          NA        <NA>
## 127        Typ          1          TA     Attchd        1977          RFn
## 128        Typ          1          TA       <NA>          NA        <NA>
## 129        Typ          1          Fa     Attchd        1966          RFn
## 130        Typ          0        <NA>     2Types        1998          RFn
## 131        Typ          2          Gd     Attchd        1966          Fin
## 132        Typ          1          TA    BuiltIn        2000          RFn
## 133        Typ          0        <NA>     Detchd        1974          Unf
## 134        Typ          0        <NA>     Attchd        2001          Fin
## 135       Min1          1          TA     Attchd        1968          RFn
## 136        Typ          1          Gd     Attchd        1970          Unf
## 137        Typ          1          Fa     Attchd        1967          RFn
## 138        Typ          0        <NA>     2Types        1989          Unf
## 139        Typ          2          TA     Attchd        1999          Fin
## 140        Typ          0        <NA>     Attchd        1997          RFn
## 141        Typ          1          Po       <NA>          NA        <NA>
## 142        Typ          0        <NA>     Attchd        2005          Fin
## 143        Typ          0        <NA>     Detchd        2000          Unf
## 144        Typ          0        <NA>     Attchd        1999          RFn
## 145        Typ          0        <NA>     Detchd        1963          Unf
## 146       Maj1          0        <NA>     Detchd        2004          Unf
## 147        Typ          0        <NA>     Detchd        1931          Unf
## 148        Typ          1          Gd    BuiltIn        2001          Fin
## 149        Typ          0        <NA>       <NA>          NA        <NA>
## 150        Typ          0        <NA>     Detchd        1936          Unf
## 151        Typ          0        <NA>     Attchd        1975          Unf
## 152        Typ          1          Gd     Attchd        2007          RFn
## 153        Typ          1          Gd     Attchd        1971          RFn
## 154        Typ          1          Gd     Attchd        1960          RFn
## 155        Typ          0        <NA>     Detchd        1923          Unf
## 156        Typ          0        <NA>       <NA>          NA        <NA>
## 157        Typ          0        <NA>     Detchd        1950          Unf
## 158        Typ          1          Gd    BuiltIn        2009          Fin
## 159        Typ          1          Gd     Attchd        2004          RFn
## 160        Typ          1          Gd     Attchd        2006          RFn
## 161        Typ          0        <NA>     Attchd        1984          Unf
## 162        Typ          2          Gd    BuiltIn        2003          Fin
## 163        Typ          1          Gd     Attchd        2005          RFn
## 164        Typ          0        <NA>       <NA>          NA        <NA>
## 165        Typ          0        <NA>     Detchd        1926          Unf
## 166        Typ          0        <NA>       <NA>          NA        <NA>
## 167        Typ          3          Gd     Attchd        1955          Fin
## 168        Typ          1          Gd     Attchd        2007          Fin
## 169        Typ          1          Gd     Attchd        2004          Fin
## 170        Typ          1          TA     Attchd        1981          RFn
## 171        Typ          0        <NA>     Detchd        1991          Unf
## 172        Typ          2          Gd     Attchd        1960          Fin
## 173        Typ          1          TA     Attchd        1987          RFn
## 174        Typ          1          TA     Attchd        1961          Unf
## 175       Min2          1          TA     Attchd        1986          Fin
## 176        Typ          1          Gd     Attchd        1950          Unf
## 177        Typ          1          TA     Attchd        1988          Unf
## 178        Typ          1          Gd     Attchd        1958          Unf
```

```
## 179        Typ          1          Gd     Attchd        2009          Fin
## 180        Typ          0        <NA>     Detchd        1935          Unf
## 181        Typ          1          TA     Detchd        2000          Unf
## 182        Typ          1          Gd     Detchd        1920          Unf
## 183        Typ          1          Gd     Attchd        1957          RFn
## 184        Mod          0        <NA>     Detchd        2003          Unf
## 185        Typ          0        <NA>     Attchd        1986          Unf
## 186        Typ          2          TA     Detchd        1993          Unf
## 187        Typ          0        <NA>     Attchd        1990          Unf
## 188       Min2          0        <NA>     Detchd        1916          Unf
## 189        Typ          2          TA     Detchd        1979          Unf
## 190        Typ          1          Gd     Attchd        2001          Fin
## 191       Maj1          2          TA     Detchd        1932          Unf
## 192        Typ          0        <NA>     Attchd        1972          Fin
## 193        Typ          0        <NA>     Attchd        1999          Fin
## 194       Maj1          0        <NA>     Detchd        2004          Unf
## 195        Typ          0        <NA>     Detchd        1989          Unf
## 196        Typ          1          TA     Attchd        1976          Unf
## 197        Typ          1          Gd     Attchd        2007          Fin
## 198        Typ          1          Ex     Detchd        1918          Unf
## 199        Typ          0        <NA>       <NA>          NA        <NA>
## 200        Typ          1          Gd     Attchd        2004          Fin
## 201        Typ          0        <NA>     Attchd        2003          RFn
## 202        Typ          2          Fa     Detchd        1980          Unf
## 203       Min1          0        <NA>     Attchd        1924          Unf
## 204        Typ          1          Gd     Attchd        2004          RFn
## 205        Typ          0        <NA>     Detchd        1948          Unf
## 206        Typ          0        <NA>     Attchd        1990          RFn
## 207       Min2          1          TA     Attchd        1962          RFn
## 208        Typ          1          Po     Attchd        1960          RFn
## 209        Typ          1          Gd     Attchd        1988          Fin
## 210        Typ          0        <NA>     Attchd        1964          RFn
## 211        Typ          0        <NA>       <NA>          NA        <NA>
## 212        Typ          0        <NA>     Attchd        2009          RFn
## 213        Typ          1          TA     Attchd        2009          RFn
## 214        Typ          0        <NA>     Attchd        1996          Unf
## 215        Typ          0        <NA>     Attchd        1977          Fin
## 216       Min1          1          Fa     Attchd        1957          Unf
## 217        Typ          0        <NA>     Attchd        2004          Unf
## 218        Typ          0        <NA>     Detchd        1940          Unf
## 219        Typ          2          TA     Attchd        1939          Unf
## 220        Typ          0        <NA>     Attchd        2005          Fin
## 221        Typ          0        <NA>     Attchd        2006          RFn
## 222        Typ          1          TA    BuiltIn        2002          RFn
## 223        Typ          1          TA     Attchd        1975          RFn
## 224        Typ          0        <NA>     Detchd        1989          Unf
## 225        Typ          1          Ex     Attchd        2003          Fin
## 226        Typ          0        <NA>     Detchd        1991          Unf
## 227        Typ          1          TA     Attchd        1995          RFn
## 228        Typ          0        <NA>     Detchd        1987          Unf
## 229        Typ          1          Fa     Detchd        1974          Unf
## 230        Typ          1          TA     Attchd        2005          Fin
## 231        Typ          0        <NA>     Attchd        1959          RFn
## 232        Typ          1          TA     Attchd        1995          Fin
```

```
## 233        Typ          1          Po     Attchd        1972          Unf
## 234        Typ          0        <NA>     Attchd        1976          Unf
## 235        Typ          2          TA    BuiltIn        2002          Fin
## 236        Typ          0        <NA>     Detchd        1971          Unf
## 237        Typ          0        <NA>     Attchd        2004          RFn
## 238        Typ          0        <NA>     Attchd        1993          RFn
## 239        Typ          0        <NA>     Attchd        2007          Fin
## 240        Typ          1          Gd     Detchd        1949          Unf
## 241        Typ          0        <NA>     Attchd        2008          RFn
## 242        Typ          0        <NA>       <NA>          NA        <NA>
## 243        Typ          0        <NA>     Attchd        1940          Unf
## 244        Typ          1          TA     Attchd        1980          RFn
## 245        Typ          2          Fa     Attchd        1994          RFn
## 246        Typ          1          TA     Attchd        1988          Fin
## 247        Typ          0        <NA>     Detchd        1910          Unf
## 248        Typ          1          TA     Attchd        1954          Unf
## 249        Typ          0        <NA>     Attchd        2003          RFn
## 250        Typ          2          TA     Attchd        1958          Fin
## 251        Mod          0        <NA>       <NA>          NA        <NA>
## 252        Typ          1          Gd     Attchd        2006          Fin
## 253        Typ          0        <NA>     Attchd        2004          RFn
## 254       Min1          0        <NA>     Attchd        1964          RFn
## 255        Typ          0        <NA>     Attchd        1957          RFn
## 256        Typ          1          TA    BuiltIn        1999          Fin
## 257        Typ          0        <NA>     Attchd        2003          RFn
## 258        Typ          1          Gd     Attchd        2006          RFn
## 259        Typ          1          TA     Attchd        2001          RFn
## 260        Typ          0        <NA>     Detchd        1956          Unf
## 261        Typ          1          TA     Attchd        1991          Unf
## 262        Typ          1          Gd    BuiltIn        2007          Fin
## 263        Typ          1          TA     Attchd        1978          Unf
## 264        Typ          0        <NA>     Detchd        1974          Unf
## 265        Typ          0        <NA>     Detchd        1965          Unf
## 266        Typ          1          TA     Attchd        1981          Fin
## 267        Typ          1          TA     Attchd        1997          Fin
## 268        Typ          1          Gd     Detchd        1939          Unf
## 269        Typ          1          Gd     Detchd        1966          Fin
## 270        Typ          1          Fa     Attchd        1987          RFn
## 271        Typ          1          Gd     Attchd        2006          RFn
## 272        Mod          2          TA     Attchd        1954          Unf
## 273        Typ          1          Gd     Attchd        1999          Fin
## 274       Min1          1          Gd     Attchd        1958          RFn
## 275        Typ          0        <NA>     Attchd        1982          Unf
## 276        Typ          0        <NA>     Detchd        1978          Unf
## 277        Typ          0        <NA>     Attchd        2003          Fin
## 278        Typ          0        <NA>     Detchd        1951          Unf
## 279        Typ          1          Ex     Attchd        2007          Fin
## 280        Typ          1          TA     Attchd        1977          Fin
## 281        Typ          1          TA     Attchd        1989          Fin
## 282        Typ          0        <NA>     Attchd        2006          Fin
## 283        Typ          1          Gd     Attchd        2008          RFn
## 284        Typ          1          Gd     Attchd        2008          Fin
## 285        Typ          0        <NA>     Attchd        1992          RFn
## 286        Typ          0        <NA>     Detchd        2006          RFn
```

```
## 287        Typ          1          Gd     Attchd        1962          RFn
## 288        Typ          0        <NA>       <NA>          NA        <NA>
## 289        Typ          0        <NA>     Detchd        1970          Unf
## 290        Typ          0        <NA>     Detchd        2003          Unf
## 291        Typ          1          Gd     Attchd        2006          RFn
## 292        Typ          0        <NA>       <NA>          NA        <NA>
## 293       Min2          1          Gd     Attchd        1949          Unf
## 294        Typ          1          TA     Attchd        1977          Fin
## 295        Typ          2          Gd     Attchd        1953          Fin
## 296        Typ          0        <NA>     Detchd        1984          Unf
## 297        Typ          0        <NA>     Attchd        1950          Unf
## 298        Typ          1          TA     Detchd        1997          RFn
## 299        Typ          1          Gd     Attchd        1968          Unf
## 300        Typ          1          Gd     Attchd        1950          Unf
## 301        Typ          2          Gd     Attchd        1953          Unf
## 302        Typ          1          TA    BuiltIn        1998          Fin
## 303        Typ          1          TA     Attchd        2001          RFn
## 304        Typ          0        <NA>     Attchd        1975          Unf
## 305        Typ          1          Ex     Attchd        2003          Unf
## 306        Typ          0        <NA>     Attchd        2004          Fin
## 307        Typ          1          TA     Attchd        1990          RFn
## 308        Typ          0        <NA>       <NA>          NA        <NA>
## 309        Typ          0        <NA>     Detchd        1961          Unf
## 310        Typ          3          Ex     Attchd        2003          Fin
## 311        Typ          1          TA     Attchd        1993          Fin
## 312        Typ          1          Gd     Detchd        1948          Unf
## 313        Typ          1          Gd     Detchd        1939          Unf
## 314        Typ          2          Gd     Attchd        1965          RFn
## 315        Typ          1          Gd     Detchd        1925          Unf
## 316        Typ          1          Gd     Attchd        2004          Fin
## 317        Typ          1          TA     Attchd        1983          RFn
## 318        Typ          1          Gd     Attchd        2006          RFn
## 319        Typ          1          TA     Attchd        1993          RFn
## 320        Typ          2          TA     Attchd        1980          Unf
## 321        Typ          0        <NA>     Attchd        2006          RFn
## 322        Typ          1          Gd    BuiltIn        2004          Fin
## 323        Typ          1          TA     Attchd        1987          Fin
## 324        Typ          0        <NA>     Attchd        1955          Unf
## 325        Typ          1          Gd    BuiltIn        1961          Fin
## 326        Typ          0        <NA>     Detchd        1941          Unf
## 327        Typ          2          Gd     Attchd        1993          Fin
## 328        Typ          0        <NA>     Attchd        1960          RFn
## 329        Typ          0        <NA>     Detchd        1930          Unf
## 330        Typ          0        <NA>     Detchd        1920          Unf
## 331        Typ          0        <NA>     Detchd        2002          Unf
## 332        Typ          0        <NA>     Attchd        1958          RFn
## 333        Typ          1          Gd     Attchd        2003          RFn
## 334        Typ          1          Gd     Attchd        2004          RFn
## 335        Typ          2          TA     Attchd        1998          Fin
## 336        Typ          2          Gd     Attchd        1965          Fin
## 337        Typ          1          Gd     Attchd        2005          Fin
## 338        Typ          0        <NA>     Attchd        2002          RFn
## 339        Typ          0        <NA>     Attchd        1984          RFn
## 340        Typ          0        <NA>     Attchd        1958          Unf
```

```
## 341        Typ          0        <NA>     Attchd        2002          Fin
## 342        Typ          0        <NA>    CarPort        1950          Unf
## 343        Typ          0        <NA>     Detchd        1949          Unf
## 344        Typ          1          Ex     Attchd        2005          RFn
## 345        Typ          0        <NA>     Attchd        1976          Unf
## 346        Typ          1          Gd     Detchd        1939          Unf
## 347        Typ          0        <NA>     Attchd        1960          RFn
## 348        Typ          2          Gd     Attchd        1960          Unf
## 349        Typ          0        <NA>    BuiltIn        2003          RFn
## 350        Typ          2          Ex     Attchd        2006          Fin
## 351        Typ          1          Gd     Attchd        2007          RFn
## 352        Typ          1          TA     Attchd        1986          RFn
## 353        Typ          0        <NA>     Detchd        1941          Unf
## 354        Typ          0        <NA>     Detchd        2005          Unf
## 355        Typ          2          Gd     Attchd        1940          Unf
## 356        Typ          0        <NA>     Attchd        1995          RFn
## 357        Typ          0        <NA>     Attchd        1992          RFn
## 358        Typ          1          Po     Attchd        1976          Fin
## 359       Min2          0        <NA>    BuiltIn        1958          Unf
## 360        Typ          1          TA     Attchd        1998          RFn
## 361        Typ          1          TA     Attchd        1978          RFn
## 362        Typ          0        <NA>     Detchd        1940          Unf
## 363        Typ          1          Ex    BuiltIn        2003          RFn
## 364        Typ          0        <NA>     Detchd        1972          Unf
## 365        Typ          1          TA     Attchd        1976          Fin
## 366        Typ          0        <NA>     Detchd        1964          Unf
## 367        Typ          2          Gd     Attchd        1963          RFn
## 368        Typ          1          Gd    Basment        1962          RFn
## 369        Typ          1          Gd     Attchd        1954          Fin
## 370        Typ          1          Gd     Detchd        1997          Fin
## 371        Typ          1          TA     Attchd        2000          RFn
## 372       Min2          1          Gd     Detchd        1991          Fin
## 373        Typ          0        <NA>     Attchd        1984          Unf
## 374       Min2          0        <NA>     Attchd        1953          Unf
## 375        Typ          1          Gd    BuiltIn        2003          Fin
## 376       Maj1          0        <NA>       <NA>          NA        <NA>
## 377        Typ          0        <NA>     Detchd        1998          Unf
## 378        Typ          1          Gd     Attchd        2004          RFn
## 379        Typ          1          Ex     Attchd        2010          Fin
## 380        Typ          1          TA     Attchd        2000          Fin
## 381        Typ          1          Gd     Detchd        1924          Unf
## 382        Typ          1          Gd     Attchd        2006          RFn
## 383        Typ          0        <NA>     Attchd        2006          RFn
## 384        Typ          0        <NA>     Detchd        1950          Unf
## 385        Typ          2          Fa     Attchd        1992          Fin
## 386        Typ          1          TA     Attchd        2004          Fin
## 387        Typ          0        <NA>       <NA>          NA        <NA>
## 388        Typ          1          Fa     Detchd        1977          Unf
## 389        Typ          0        <NA>     Attchd        1999          RFn
## 390        Typ          1          Ex    BuiltIn        2008          Fin
## 391        Typ          0        <NA>     Detchd        1978          Unf
## 392        Typ          1          TA    BuiltIn        2001          Fin
## 393        Typ          0        <NA>     Attchd        1959          RFn
## 394        Typ          2          TA       <NA>          NA        <NA>
```

```
## 395        Typ          0        <NA>     Detchd        1940          Unf
## 396        Typ          0        <NA>     Attchd        1956          Unf
## 397        Typ          0        <NA>     Detchd        1985          RFn
## 398        Typ          1          TA     Attchd        1962          RFn
## 399       Maj2          0        <NA>     Detchd        1920          Unf
## 400        Typ          0        <NA>     Attchd        2007          Fin
## 401        Typ          2          Gd     Attchd        1996          Fin
## 402        Typ          1          Gd     Attchd        2005          Fin
## 403        Typ          0        <NA>     Detchd        1940          Unf
## 404        Typ          1          TA    BuiltIn        1998          Fin
## 405        Typ          1          TA    BuiltIn        1995          Fin
## 406       Min1          1          TA     Attchd        1993          Unf
## 407       Maj2          0        <NA>     Detchd        1936          Unf
## 408        Typ          0        <NA>     Attchd        1960          Unf
## 409        Typ          1          Gd     Attchd        2006          RFn
## 410        Typ          1          Gd     Attchd        2008          Fin
## 411        Mod          0        <NA>     Attchd        1958          Unf
## 412        Typ          0        <NA>     Attchd        1955          Fin
## 413        Typ          1          Gd     Attchd        2009          Fin
## 414        Typ          1          Gd     Detchd        1927          Unf
## 415        Typ          1          TA     Attchd        1993          Unf
## 416        Typ          0        <NA>     Attchd        2007          Fin
## 417        Typ          1          TA     Attchd        1978          Fin
## 418        Typ          1          Gd     Detchd        1918          Unf
## 419        Typ          0        <NA>     Detchd        1940          Unf
## 420        Typ          1          Fa     Attchd        1968          Unf
## 421        Typ          0        <NA>     Attchd        1997          Fin
## 422        Typ          1          TA     Attchd        1977          Fin
## 423        Typ          0        <NA>     Attchd        1954          RFn
## 424        Typ          1          TA     Attchd        1998          Fin
## 425        Typ          1          Gd     Attchd        1956          RFn
## 426        Typ          2          Gd     Detchd        1947          Unf
## 427        Typ          1          TA     Attchd        1989          Fin
## 428        Typ          0        <NA>     Detchd        1964          Unf
## 429        Typ          0        <NA>     Attchd        2007          RFn
## 430        Typ          1          TA     Attchd        1988          Unf
## 431        Typ          0        <NA>     Detchd        1971          Unf
## 432        Typ          0        <NA>       <NA>          NA         <NA>
## 433       Min1          0        <NA>     Detchd        1971          Unf
## 434        Typ          1          TA     Attchd        1997          Fin
## 435        Typ          0        <NA>       <NA>          NA         <NA>
## 436        Typ          1          TA     Attchd        1996          RFn
## 437        Typ          0        <NA>     Detchd        1990          Unf
## 438        Typ          0        <NA>     Detchd        1926          Unf
## 439        Typ          1          Gd     Detchd        1990          Unf
## 440        Typ          0        <NA>     Detchd        2005          Unf
## 441        Typ          2          Gd     Attchd        2008          Fin
## 442        Typ          0        <NA>       <NA>          NA         <NA>
## 443        Typ          1          Gd     Detchd        1930          Unf
## 444        Typ          1          Gd     Attchd        2007          Fin
## 445        Typ          1          TA     Attchd        1994          Unf
## 446        Typ          1          Gd     Attchd        1956          Unf
## 447        Mod          1          Gd     Attchd        1966          Fin
## 448        Typ          1          TA     Attchd        1998          Fin
```

```
## 449        Typ          1          Gd     Detchd        1937          Unf
## 450        Typ          0        <NA>     Detchd        1981          Unf
## 451        Typ          0        <NA>     Detchd        1932          Unf
## 452        Typ          2          TA     Attchd        1975          Unf
## 453        Typ          0        <NA>     Attchd        1996          Fin
## 454        Typ          0        <NA>     Attchd        2008          RFn
## 455        Typ          0        <NA>     Detchd        1976          Unf
## 456        Typ          1          TA     Attchd        1973          Unf
## 457        Typ          0        <NA>     Detchd        1916          Unf
## 458       Min1          2          Gd     Attchd        1954          Fin
## 459        Typ          1          Gd     Detchd        1925          Unf
## 460        Typ          1          TA     Detchd        1950          Unf
## 461        Typ          0        <NA>    BuiltIn        2009          Fin
## 462        Typ          0        <NA>     Detchd        1971          RFn
## 463        Typ          1          Po     Detchd        1965          Unf
## 464        Typ          1          Gd     Detchd        1939          Unf
## 465        Typ          0        <NA>       <NA>          NA         <NA>
## 466        Typ          1          TA     Attchd        2004          Fin
## 467        Typ          1          Po     Attchd        1970          Unf
## 468        Typ          2          Gd     Attchd        1942          Unf
## 469        Typ          1          Gd     Attchd        2006          RFn
## 470        Typ          0        <NA>     Attchd        1993          RFn
## 471        Typ          0        <NA>     Attchd        1985          RFn
## 472        Typ          1          Gd     Attchd        1977          RFn
## 473        Typ          0        <NA>    Basment        2005          RFn
## 474        Typ          1          Ex     Attchd        2006          RFn
## 475        Typ          0        <NA>     Attchd        2000          RFn
## 476        Typ          0        <NA>     Detchd        1996          Unf
## 477        Typ          1          TA     Attchd        1997          Fin
## 478        Typ          1          Gd    BuiltIn        2006          Fin
## 479        Typ          1          Gd     Attchd        2007          RFn
## 480        Typ          0        <NA>     Detchd        1995          Unf
## 481        Typ          1          Gd     Attchd        2004          Fin
## 482        Typ          1          Gd     Attchd        2003          Fin
## 483       Min2          1          Gd     Attchd        1915          Unf
## 484        Typ          0        <NA>     Attchd        1998          Unf
## 485        Typ          0        <NA>     Detchd        1963          Unf
## 486        Typ          1          Gd     Attchd        1950          Unf
## 487        Typ          0        <NA>     Attchd        1965          RFn
## 488        Typ          1          TA     Attchd        1971          Unf
## 489        Mod          1          Gd     Attchd        1970          Unf
## 490        Typ          0        <NA>     Attchd        1970          Unf
## 491        Typ          1          Gd    BuiltIn        1976          Fin
## 492        Typ          2          TA     Attchd        1941          Unf
## 493        Typ          0        <NA>     Attchd        2006          RFn
## 494        Typ          1          Fa     Detchd        1964          Unf
## 495        Typ          0        <NA>     Attchd        1938          Unf
## 496        Typ          0        <NA>       <NA>          NA         <NA>
## 497        Typ          1          Gd     Attchd        1992          RFn
## 498        Typ          0        <NA>     Detchd        1925          Unf
## 499        Typ          0        <NA>     Attchd        1967          Fin
## 500        Typ          0        <NA>     Attchd        1958          Fin
## 501        Typ          0        <NA>     Detchd        1973          Unf
## 502        Typ          0        <NA>     Attchd        2005          RFn
```

```
## 503        Typ           0        <NA>     Detchd        1965          Unf
## 504        Typ           2          TA     Attchd        1959          Fin
## 505        Typ           1          Fa     Attchd        1974          Unf
## 506        Typ           0        <NA>     Detchd        1952          Unf
## 507        Typ           1          TA     Attchd        1993          RFn
## 508        Typ           0        <NA>     Attchd        2009          Fin
## 509        Typ           1          Gd     Detchd        1928          Unf
## 510        Typ           0        <NA>     Attchd        1959          RFn
## 511       Min1           2          TA    CarPort        1951          Unf
## 512        Typ           1          Gd     Attchd        2005          RFn
## 513        Typ           0        <NA>     Detchd        1964          Unf
## 514        Typ           0        <NA>     Attchd        1983          Unf
## 515        Typ           0        <NA>     Detchd        1926          Unf
## 516        Typ           1          Gd     Attchd        2009          Fin
## 517        Typ           1          TA     Attchd        1972          RFn
## 518        Typ           1          TA     Attchd        1996          RFn
## 519        Typ           0        <NA>     Attchd        1998          RFn
## 520        Typ           2          Gd     Detchd        1926          Unf
## 521        Typ           0        <NA>       <NA>          NA         <NA>
## 522        Typ           2          Gd     Attchd        1957          Unf
## 523        Typ           2          Gd     Detchd        1950          Unf
## 524        Typ           1          Gd    BuiltIn        2007          Fin
## 525        Typ           1          TA     Attchd        1996          Fin
## 526        Typ           1          TA     Attchd        2005          Unf
## 527        Typ           0        <NA>     Attchd        1956          Unf
## 528        Typ           1          Gd     Attchd        2008          Fin
## 529        Typ           0        <NA>       <NA>          NA         <NA>
## 530       Maj1           2          TA     Attchd        1975          RFn
## 531        Typ           1          Fa     Attchd        1988          RFn
## 532        Typ           0        <NA>     Detchd        1920          Fin
## 533        Mod           1          Po     Detchd        1967          Unf
## 534        Typ           0        <NA>       <NA>          NA         <NA>
## 535        Typ           1          Gd     Attchd        2004          Fin
## 536        Typ           0        <NA>       <NA>          NA         <NA>
## 537        Typ           0        <NA>     Attchd        1998          Fin
## 538        Typ           0        <NA>     Detchd        1980          Unf
## 539        Typ           1          Fa     Attchd        1968          Unf
## 540        Typ           1          TA     Attchd        2001          RFn
## 541        Typ           1          Gd     Attchd        2006          Fin
## 542        Typ           1          TA    BuiltIn        2000          Fin
## 543       Maj1           1          TA     Attchd        1998          Fin
## 544        Typ           0        <NA>     Attchd        1998          Fin
## 545        Typ           1          Gd     Attchd        2006          RFn
## 546        Typ           0        <NA>     Attchd        1988          Unf
## 547        Typ           1          Gd     Detchd        1950          Unf
## 548        Typ           0        <NA>     Detchd        1987          Unf
## 549        Typ           0        <NA>     Detchd        1963          RFn
## 550        Typ           1          Gd    BuiltIn        2003          Fin
## 551        Typ           0        <NA>     Attchd        1977          RFn
## 552        Typ           0        <NA>     Attchd        1957          Fin
## 553        Typ           1          Gd     Attchd        2006          RFn
## 554        Typ           0        <NA>     Detchd        2002          Fin
## 555        Typ           1          Gd    BuiltIn        2003          RFn
## 556        Typ           1          Gd     Detchd        1922          Unf
```

```
## 557        Typ          1          TA     Attchd        1957          Fin
## 558        Typ          0        <NA>    CarPort        1994          Unf
## 559        Typ          1          TA     Attchd        1996          Unf
## 560        Typ          1          TA     Attchd        2003          Fin
## 561        Mod          1          Gd     Detchd        1957          Unf
## 562        Typ          1          TA     Attchd        1975          RFn
## 563        Typ          1          Gd       <NA>          NA        <NA>
## 564        Typ          1          Gd     Detchd        1955          Fin
## 565        Typ          1          TA     Attchd        1992          RFn
## 566        Typ          0        <NA>     Detchd        1920          Unf
## 567        Typ          1          Gd    BuiltIn        2005          Fin
## 568        Typ          0        <NA>     Attchd        2004          RFn
## 569       Min2          1          Gd    BuiltIn        1983          Fin
## 570        Typ          2          TA     Detchd        1979          Unf
## 571        Typ          0        <NA>     Detchd        1987          Unf
## 572        Typ          0        <NA>     Attchd        1959          Unf
## 573        Typ          0        <NA>     Attchd        2009          RFn
## 574        Typ          1          TA    BuiltIn        2000          RFn
## 575        Typ          0        <NA>    BuiltIn        1971          Unf
## 576        Typ          0        <NA>     Detchd        1947          Unf
## 577        Typ          1          Gd     Detchd        1928          Unf
## 578        Typ          2          Fa     Attchd        1966          RFn
## 579        Typ          0        <NA>     Detchd        2007          Unf
## 580        Typ          0        <NA>     Attchd        1954          Unf
## 581        Typ          2          Gd     Attchd        1960          Unf
## 582        Typ          1          Gd     Attchd        2009          RFn
## 583        Typ          0        <NA>       <NA>          NA        <NA>
## 584        Typ          1          Gd     Detchd        1988          Unf
## 585        Typ          0        <NA>     Detchd        1935          Unf
## 586        Typ          2          Gd     Attchd        2005          RFn
## 587        Typ          0        <NA>     Detchd        1961          Fin
## 588        Typ          0        <NA>     Detchd        1996          Unf
## 589        Typ          2          Gd     Attchd        1968          Unf
## 590        Typ          0        <NA>     Detchd        1988          Unf
## 591        Typ          0        <NA>     Attchd        2004          RFn
## 592        Typ          1          Gd    BuiltIn        2008          RFn
## 593        Typ          0        <NA>     Detchd        1985          Fin
## 594        Typ          0        <NA>     Attchd        2003          Fin
## 595        Typ          0        <NA>     Detchd        1981          Unf
## 596        Typ          1          TA     Attchd        2005          Fin
## 597        Typ          0        <NA>     Detchd        1930          Unf
## 598        Typ          1          Gd     Attchd        2006          Fin
## 599        Typ          1          TA     Attchd        1977          Fin
## 600        Typ          1          TA     Attchd        1980          Fin
## 601        Typ          1          Gd    BuiltIn        2003          Fin
## 602        Typ          1          Gd     Detchd        1979          Unf
## 603        Typ          1          TA     Attchd        1992          Fin
## 604        Typ          0        <NA>     Detchd        2004          RFn
## 605        Typ          1          TA     Attchd        2002          RFn
## 606        Typ          3          Fa     Attchd        1965          Unf
## 607        Typ          0        <NA>     Detchd        2000          Unf
## 608        Typ          0        <NA>     Attchd        1948          Unf
## 609        Typ          2          Gd    Basment        1934          Unf
## 610        Typ          0        <NA>     Attchd        1961          Unf
```

```
## 611        Typ          2          Ex     Attchd        2000          Fin
## 612        Typ          1          TA     Attchd        1978          Unf
## 613        Typ          1          TA    BuiltIn        2001          RFn
## 614        Typ          0        <NA>       <NA>          NA        <NA>
## 615        Typ          0        <NA>       <NA>          NA        <NA>
## 616        Typ          0        <NA>     Attchd        1963          RFn
## 617        Typ          1          Gd     Attchd        2002          Fin
## 618        Typ          0        <NA>     Detchd        1962          Unf
## 619        Typ          1          Gd     Attchd        2007          Unf
## 620        Typ          2          Gd     Attchd        2003          Fin
## 621        Typ          0        <NA>       <NA>          NA        <NA>
## 622        Typ          1          TA     Attchd        1974          RFn
## 623        Typ          0        <NA>     Detchd        1986          Unf
## 624        Typ          1          TA     Detchd        2000          Unf
## 625       Min2          1          TA     Attchd        1972          RFn
## 626        Typ          0        <NA>     Attchd        1962          Unf
## 627       Min1          1          TA     Attchd        1960          RFn
## 628        Typ          2          Gd    Basment        1955          RFn
## 629        Typ          2          TA     Attchd        1969          Unf
## 630        Typ          0        <NA>     Attchd        1964          RFn
## 631        Typ          0        <NA>     Detchd        1937          Unf
## 632        Typ          1          Gd     Attchd        2006          RFn
## 633        Typ          1          TA     Attchd        1977          Fin
## 634        Typ          0        <NA>     Attchd        1954          Unf
## 635        Typ          0        <NA>     Detchd        1980          Unf
## 636        Typ          0        <NA>       <NA>          NA        <NA>
## 637       Maj1          1          Po       <NA>          NA        <NA>
## 638        Typ          0        <NA>    BuiltIn        1954          Unf
## 639        Typ          0        <NA>       <NA>          NA        <NA>
## 640        Typ          1          Gd     Attchd        2006          Fin
## 641        Typ          1          Gd     Attchd        2003          RFn
## 642        Typ          1          TA     Attchd        2001          Fin
## 643        Typ          3          TA     Attchd        1972          Fin
## 644       Min1          0        <NA>     Attchd        1969          Fin
## 645        Typ          1          Gd     Attchd        2009          Fin
## 646        Typ          0        <NA>     Detchd        1979          Unf
## 647       Min1          0        <NA>     Detchd        1950          Unf
## 648        Typ          2          Gd     Attchd        1953          RFn
## 649        Typ          1          TA     Attchd        1966          Unf
## 650        Typ          0        <NA>       <NA>          NA        <NA>
## 651        Typ          0        <NA>     Attchd        2007          RFn
## 652        Typ          1          Gd     Detchd        1940          Unf
## 653        Typ          1          TA     Attchd        1996          RFn
## 654        Typ          0        <NA>     Detchd        1906          Unf
## 655        Typ          1          TA     Attchd        1995          Fin
## 656        Typ          0        <NA>     Detchd        1971          Unf
## 657        Typ          0        <NA>     Attchd        1959          RFn
## 658        Typ          1          Gd     Attchd        1931          RFn
## 659        Typ          1          Gd     Attchd        1948          Unf
## 660        Typ          0        <NA>     Detchd        1968          Fin
## 661        Typ          1          TA     Attchd        1976          RFn
## 662        Typ          1          TA     Attchd        1994          RFn
## 663       Maj2          2          TA     Attchd        1968          RFn
## 664        Typ          0        <NA>     Detchd        1974          RFn
```

```
## 665        Typ          1          Ex     Attchd        2005          Fin
## 666        Typ          1          TA     Attchd        2000          RFn
## 667        Sev          1          Po    CarPort        1965          Unf
## 668        Typ          1          Fa     Attchd        1994          RFn
## 669       Min2          1          TA     Detchd        1999          Unf
## 670        Typ          1          Gd     Detchd        1922          Unf
## 671        Typ          0        <NA>     Attchd        2005          Fin
## 672        Typ          0        <NA>     Detchd        1930          Unf
## 673        Typ          1          TA     Attchd        1977          RFn
## 674        Typ          2          TA     Attchd        1957          Fin
## 675        Typ          1          Gd     Attchd        1965          RFn
## 676        Typ          1          TA     Attchd        1978          Unf
## 677       Min2          0        <NA>     2Types        1920          Unf
## 678        Typ          0        <NA>     Detchd        1924          Unf
## 679        Typ          1          Gd     Attchd        2008          Fin
## 680        Typ          0        <NA>     Detchd        1963          Unf
## 681        Typ          1          TA     Attchd        1980          RFn
## 682        Typ          0        <NA>     Detchd        1968          Unf
## 683        Typ          1          Gd     Attchd        1996          Unf
## 684        Typ          1          TA     Attchd        2002          Fin
## 685        Typ          0        <NA>     Attchd        1998          Fin
## 686       Min1          1          TA     Attchd        1984          Fin
## 687        Typ          0        <NA>     Attchd        2007          Fin
## 688        Typ          0        <NA>     Detchd        2004          Unf
## 689        Typ          1          Gd     Attchd        2007          RFn
## 690        Typ          1          Gd     Attchd        2005          RFn
## 691        Typ          1          TA     Attchd        2004          RFn
## 692        Typ          2          Ex     Attchd        1994          Fin
## 693        Typ          2          Gd     Attchd        1989          RFn
## 694        Typ          0        <NA>     Detchd        1968          Unf
## 695        Typ          0        <NA>     Detchd        1995          Unf
## 696        Typ          1          TA     Attchd        1987          Unf
## 697        Typ          0        <NA>     Detchd        1921          Unf
## 698        Typ          0        <NA>     Detchd        1952          Unf
## 699        Typ          1          Gd     Detchd        1973          Unf
## 700        Typ          0        <NA>     Attchd        2004          RFn
## 701        Typ          1          Gd     Attchd        2002          Fin
## 702        Typ          0        <NA>     Attchd        1969          Unf
## 703        Typ          1          Gd    BuiltIn        2006          Fin
## 704        Typ          1          Po     Detchd        1999          Unf
## 705        Typ          0        <NA>     Attchd        2004          RFn
## 706        Mod          0        <NA>       <NA>          NA        <NA>
## 707        Typ          2          TA     Attchd        1971          Unf
## 708        Typ          1          Gd     Attchd        2006          Fin
## 709        Typ          1          Gd     Attchd        2007          Fin
## 710        Typ          0        <NA>     Attchd        1966          Unf
## 711       Maj2          0        <NA>       <NA>          NA        <NA>
## 712        Typ          0        <NA>     Detchd        1964          RFn
## 713        Typ          1          Gd     Attchd        1988          Fin
## 714        Typ          0        <NA>     Detchd        1970          Unf
## 715        Typ          0        <NA>     Attchd        1976          RFn
## 716        Typ          1          TA     Attchd        1974          RFn
## 717        Typ          0        <NA>     Detchd        1996          Unf
## 718        Typ          1          Fa     Attchd        1973          Unf
```

```
## 719         Typ          1          TA     Attchd        1993          RFn
## 720         Typ          1          Po     Attchd        1969          Unf
## 721         Typ          1          TA     Attchd        1985          RFn
## 722         Typ          0        <NA>     Attchd        2004          RFn
## 723         Typ          0        <NA>     Detchd        1994          Unf
## 724         Typ          0        <NA>     Detchd        1958          Unf
## 725         Typ          1          Gd     Attchd        2007          Fin
## 726         Typ          0        <NA>     Detchd        1989          Unf
## 727         Typ          1          Gd     Attchd        1988          Fin
## 728         Typ          0        <NA>     Attchd        2007          RFn
## 729         Typ          0        <NA>     Detchd        1968          Unf
## 730         Typ          0        <NA>     Detchd        1962          Unf
## 731         Typ          1          TA     Attchd        1995          RFn
## 732         Typ          1          Gd     Attchd        2003          Fin
## 733         Typ          1          TA     Attchd        1998          Fin
## 734         Typ          1          TA     Attchd        1961          RFn
## 735         Typ          0        <NA>     Attchd        1968          Unf
## 736         Typ          2          TA     Detchd        1914          Unf
## 737         Typ          0        <NA>     Detchd        1949          Unf
## 738         Typ          1          Gd     Attchd        2005          Fin
## 739         Typ          0        <NA>       <NA>          NA        <NA>
## 740         Typ          0        <NA>     Attchd        2004          RFn
## 741         Typ          0        <NA>     Detchd        1910          Unf
## 742         Typ          0        <NA>     Detchd        1962          Unf
## 743         Typ          0        <NA>     Attchd        2000          Unf
## 744        Min2          1          TA     Attchd        1997          RFn
## 745         Typ          1          TA     Attchd        1993          RFn
## 746         Typ          2          TA    BuiltIn        1994          Fin
## 747         Typ          1          TA    BuiltIn        2000          Fin
## 748         Typ          1          Gd     Detchd        1950          Unf
## 749         Typ          1          TA     Attchd        1996          Fin
## 750         Mod          0        <NA>     Detchd        1945          Unf
## 751        Min2          0        <NA>       <NA>          NA        <NA>
## 752         Typ          0        <NA>     Attchd        2003          Fin
## 753         Typ          0        <NA>     Attchd        1997          RFn
## 754         Typ          1          Gd     Attchd        2005          RFn
## 755         Typ          0        <NA>     Detchd        1969          RFn
## 756         Typ          0        <NA>     Detchd        1999          Unf
## 757         Typ          0        <NA>     Attchd        2007          RFn
## 758         Typ          1          TA     Attchd        1978          Fin
## 759         Typ          0        <NA>     Detchd        1999          Unf
## 760         Typ          1          TA     Attchd        1995          RFn
## 761         Typ          0        <NA>     Detchd        2008          Unf
## 762        Min1          0        <NA>     Detchd        1965          Unf
## 763         Typ          0        <NA>     Attchd        2009          Unf
## 764         Typ          1          Gd     Attchd        1999          RFn
## 765         Typ          1          Gd     Attchd        1995          Fin
## 766         Typ          1          Gd     Attchd        2008          Fin
## 767         Typ          1          TA     Attchd        1988          Unf
## 768         Mod          0        <NA>     Attchd        1989          Unf
## 769         Typ          1          Gd     Attchd        2004          Fin
## 770         Mod          1          Gd    BuiltIn        2003          Fin
## 771         Typ          0        <NA>     Detchd        1983          Unf
## 772         Typ          0        <NA>     Detchd        1951          Unf
```

```
## 773        Typ          1          TA     Detchd        1976          Unf
## 774        Typ          0        <NA>     Attchd        1958          RFn
## 775        Typ          1          Gd     Attchd        2006          Fin
## 776        Typ          0        <NA>     Attchd        1998          Fin
## 777        Typ          0        <NA>     Attchd        2005          RFn
## 778        Typ          1          Fa     Attchd        1974          Unf
## 779        Typ          2          TA     Detchd        1977          Unf
## 780        Typ          0        <NA>     Attchd        1977          Unf
## 781        Typ          1          TA     Attchd        1995          Fin
## 782        Typ          0        <NA>     Attchd        1992          RFn
## 783        Typ          0        <NA>     Attchd        2001          RFn
## 784        Typ          1          TA     Attchd        1978          Fin
## 785        Typ          1          Gd       <NA>          NA         <NA>
## 786        Typ          1          Gd     Attchd        1967          Unf
## 787        Typ          0        <NA>     Detchd        1961          Unf
## 788        Typ          0        <NA>    BuiltIn        2004          RFn
## 789        Typ          0        <NA>     Detchd        1954          Unf
## 790        Typ          0        <NA>     Attchd        1966          Fin
## 791        Typ          1          Gd     Attchd        2005          Fin
## 792        Typ          2          TA     Attchd        1976          RFn
## 793        Typ          1          TA     Attchd        1997          Unf
## 794        Typ          0        <NA>     Attchd        2007          Fin
## 795        Typ          1          TA     Attchd        1994          Fin
## 796        Typ          1          TA     Attchd        1980          Unf
## 797        Typ          1          TA     Attchd        1977          RFn
## 798        Typ          0        <NA>     Attchd        1953          Unf
## 799        Typ          2          Gd    BuiltIn        2009          Fin
## 800        Typ          2          TA     Detchd        1939          Unf
## 801        Typ          0        <NA>     Attchd        1997          RFn
## 802        Typ          0        <NA>     Detchd        1957          Unf
## 803        Typ          1          Gd     Attchd        2005          Fin
## 804        Typ          1          Gd    BuiltIn        2009          RFn
## 805       Min1          0        <NA>     Attchd        1954          Unf
## 806        Typ          0        <NA>     Attchd        2008          RFn
## 807        Typ          0        <NA>     Attchd        1967          Fin
## 808        Typ          1          TA     Attchd        1923          RFn
## 809        Typ          1          Gd     Attchd        1966          RFn
## 810        Typ          0        <NA>     Detchd        1910          Unf
## 811        Typ          1          Fa     Attchd        1974          RFn
## 812        Typ          1          Gd     Attchd        2004          Fin
## 813        Typ          0        <NA>    Basment        1952          Unf
## 814        Typ          0        <NA>     Attchd        1958          RFn
## 815        Typ          0        <NA>     Detchd        1955          Unf
## 816        Typ          0        <NA>     Attchd        1998          RFn
## 817        Typ          1          Gd     Attchd        1954          RFn
## 818        Typ          2          Gd     Attchd        2002          RFn
## 819        Typ          0        <NA>     Attchd        1971          Unf
## 820        Typ          1          Gd     Attchd        2010          RFn
## 821        Typ          0        <NA>     Attchd        2003          RFn
## 822       Min2          0        <NA>     Detchd        1974          Unf
## 823        Typ          1          Gd    BuiltIn        2003          Fin
## 824        Typ          1          Gd     Detchd        1940          Unf
## 825        Typ          1          Gd     Attchd        2006          RFn
## 826        Typ          1          Gd     Attchd        2007          Fin
```

```
## 827        Typ          0        <NA>       <NA>          NA         <NA>
## 828        Typ          1          TA     Attchd        2001          RFn
## 829       Min2          0        <NA>     Attchd        1967          Fin
## 830        Typ          0        <NA>     Detchd        2005          RFn
## 831        Typ          2          Gd     Attchd        1957          RFn
## 832        Typ          0        <NA>     Detchd        2005          RFn
## 833        Typ          1          TA     Attchd        2003          RFn
## 834        Typ          0        <NA>     Attchd        1964          RFn
## 835        Typ          0        <NA>     Attchd        1961          Unf
## 836       Min2          0        <NA>     Attchd        1996          Unf
## 837       Min2          0        <NA>     Detchd        1948          Unf
## 838        Typ          0        <NA>     Detchd        1973          Unf
## 839        Typ          0        <NA>     Attchd        1999          Unf
## 840        Typ          0        <NA>     Detchd        1946          Unf
## 841        Typ          0        <NA>     Detchd        1934          Unf
## 842        Typ          1          Po     Detchd        1983          Unf
## 843        Typ          0        <NA>     Attchd        1966          RFn
## 844        Typ          0        <NA>       <NA>          NA         <NA>
## 845        Typ          1          Gd     Detchd        1949          Unf
## 846       Min2          2          TA    Basment        1975          Fin
## 847        Typ          1          TA     Attchd        1993          Unf
## 848        Typ          1          Fa     Attchd        1972          Unf
## 849        Typ          1          Gd     Detchd        1908          Unf
## 850        Typ          1          TA     Attchd        1976          RFn
## 851        Typ          0        <NA>     Attchd        2003          Fin
## 852        Typ          1          TA     Attchd        2003          Fin
## 853        Typ          2          Gd     Detchd        1941          Unf
## 854        Typ          1          Fa     Attchd        1964          RFn
## 855        Typ          1          Gd     Attchd        1955          Unf
## 856        Typ          0        <NA>     Detchd        1962          Unf
## 857        Typ          0        <NA>     Detchd        1981          Unf
## 858        Typ          1          TA     Attchd        1994          Fin
## 859        Typ          1          TA     Attchd        1976          RFn
## 860        Typ          1          Gd     Attchd        1968          Unf
## 861        Typ          1          Gd     Detchd        1925          Unf
## 862        Typ          0        <NA>     Attchd        1965          Unf
## 863        Typ          0        <NA>     Attchd        1986          Unf
## 864        Typ          0        <NA>     Attchd        1959          Unf
## 865        Typ          0        <NA>     Attchd        2008          Fin
## 866        Typ          0        <NA>     Detchd        1973          Unf
## 867        Typ          1          Gd     Attchd        2007          RFn
## 868        Typ          0        <NA>     Attchd        1961          RFn
## 869        Typ          1          TA     Attchd        1979          Unf
## 870        Typ          1          TA     Attchd        1993          Fin
## 871        Typ          0        <NA>     Detchd        1962          Unf
## 872        Typ          0        <NA>     Attchd        1998          RFn
## 873        Typ          0        <NA>     Attchd        1953          Unf
## 874        Typ          1          Gd     Attchd        1949          Unf
## 875        Typ          0        <NA>     Detchd        1941          Unf
## 876        Typ          1          Gd    BuiltIn        2007          Fin
## 877        Typ          0        <NA>     Attchd        1963          Unf
## 878        Typ          1          Gd     Attchd        2004          Fin
## 879       Min2          0        <NA>     Detchd        1987          Unf
## 880        Typ          0        <NA>     Attchd        1978          Unf
```

```
## 881        Typ          0        <NA>     Attchd        2005          Fin
## 882        Typ          1          TA     Attchd        1990          RFn
## 883        Typ          1          TA    BuiltIn        1993          RFn
## 884        Typ          0        <NA>     Detchd        1997          Unf
## 885        Typ          0        <NA>     Attchd        1967          RFn
## 886        Typ          1          TA     Attchd        1999          Fin
## 887        Typ          0        <NA>     Attchd        2005          Fin
## 888        Typ          0        <NA>     Attchd        1955          Unf
## 889        Typ          1          TA     Attchd        1970          Unf
## 890        Typ          1          TA     Attchd        1953          RFn
## 891        Typ          1          Po     Detchd        2003          Unf
## 892        Typ          1          TA     Attchd        1978          RFn
## 893        Typ          0        <NA>     Attchd        1963          RFn
## 894        Typ          1          Gd     Attchd        1954          Unf
## 895        Typ          0        <NA>     Attchd        1979          Unf
## 896        Typ          1          TA     Attchd        1963          RFn
## 897        Typ          0        <NA>     Detchd        1936          Unf
## 898        Typ          0        <NA>     Detchd        1979          Unf
## 899        Typ          2          Gd     Attchd        2009          Fin
## 900        Typ          1          TA     Attchd        1961          Unf
## 901        Typ          0        <NA>     Detchd        1979          Unf
## 902        Typ          0        <NA>     Detchd        1968          Unf
## 903        Typ          1          Gd     Attchd        2003          Fin
## 904        Typ          1          Gd     Attchd        2006          RFn
## 905        Typ          0        <NA>     Attchd        1967          Unf
## 906        Typ          0        <NA>     Attchd        1954          RFn
## 907        Typ          1          Gd     Attchd        2006          RFn
## 908        Typ          1          Gd     Attchd        1936          Fin
## 909        Typ          0        <NA>     Attchd        1983          Unf
## 910        Typ          1          Gd     Attchd        2005          Fin
## 911        Typ          0        <NA>     Detchd        1960          Unf
## 912        Typ          0        <NA>     Detchd        1978          Unf
## 913       Min1          0        <NA>     Detchd        1925          Unf
## 914        Typ          0        <NA>     2Types        1949          Unf
## 915        Typ          0        <NA>     Detchd        2009          RFn
## 916        Typ          0        <NA>     Attchd        1970          Unf
## 917        Typ          0        <NA>     Detchd        1958          Unf
## 918        Typ          0        <NA>     Attchd        1956          RFn
## 919        Typ          1          TA     Attchd        1991          RFn
## 920       Min1          1          TA     Attchd        1990          Unf
## 921        Typ          0        <NA>     Attchd        1994          RFn
## 922        Typ          0        <NA>       <NA>          NA         <NA>
## 923        Typ          1          Gd     Attchd        2005          Fin
## 924        Typ          1          Fa     Attchd        1993          RFn
## 925        Typ          1          TA     Attchd        1980          Unf
## 926        Typ          0        <NA>     Attchd        1977          RFn
## 927        Typ          1          Gd    BuiltIn        2003          Fin
## 928        Typ          1          Gd     Attchd        1968          RFn
## 929        Typ          1          TA     Attchd        2001          RFn
## 930        Typ          1          TA    BuiltIn        1997          Fin
## 931        Typ          0        <NA>     Attchd        2007          Fin
## 932        Typ          0        <NA>     Detchd        1965          Unf
## 933        Typ          1          Gd     Attchd        2006          Fin
## 934        Typ          0        <NA>     Attchd        2004          RFn
```

```
## 935        Typ           1          Gd      Attchd        1960          RFn
## 936        Typ           0        <NA>      Detchd        1953          Unf
## 937        Typ           0        <NA>      Attchd        2003          RFn
## 938        Typ           1          Gd      Attchd        2005          RFn
## 939        Typ           0        <NA>      Attchd        2006          RFn
## 940        Typ           2          TA      Attchd        1940          Unf
## 941        Typ           0        <NA>      Attchd        1976          Unf
## 942        Typ           1          TA     BuiltIn        1999          RFn
## 943        Typ           0        <NA>        <NA>          NA         <NA>
## 944        Typ           0        <NA>      Attchd        1967          Unf
## 945        Typ           1          Gd     Basment        1958          RFn
## 946        Typ           0        <NA>      Detchd        1963          Unf
## 947        Typ           1          TA      Attchd        1959          RFn
## 948        Typ           1          Gd      Attchd        2002          Fin
## 949        Typ           1          TA      Attchd        2002          RFn
## 950        Typ           1          TA      Attchd        1972          RFn
## 951        Typ           0        <NA>      Detchd        1980          RFn
## 952        Typ           0        <NA>      Detchd        1979          Unf
## 953        Typ           0        <NA>      Detchd        1974          Fin
## 954       Min2           1          Po      Attchd        1969          RFn
## 955        Typ           0        <NA>        <NA>          NA         <NA>
## 956        Typ           0        <NA>      Attchd        1946          Unf
## 957        Typ           1          TA      Attchd        1980          Fin
## 958        Typ           0        <NA>      Detchd        1977          Fin
## 959        Typ           0        <NA>      Attchd        2003          RFn
## 960        Typ           0        <NA>      Detchd        1999          Unf
## 961        Typ           0        <NA>        <NA>          NA         <NA>
## 962        Typ           1          TA      Attchd        1977          Fin
## 963        Typ           1          TA      Detchd        1976          Unf
## 964        Typ           0        <NA>      Attchd        2007          Fin
## 965        Typ           1          Gd     BuiltIn        2002          Fin
## 966        Typ           1          Gd      Attchd        2005          Fin
## 967       Min2           2          TA      Detchd        1940          Unf
## 968        Typ           0        <NA>      Attchd        1955          Unf
## 969        Typ           0        <NA>        <NA>          NA         <NA>
## 970        Typ           0        <NA>      Attchd        1958          RFn
## 971        Typ           0        <NA>        <NA>          NA         <NA>
## 972        Typ           0        <NA>     BuiltIn        2003          RFn
## 973        Typ           1          TA      Attchd        1979          Unf
## 974        Typ           0        <NA>      Attchd        2007          Fin
## 975        Typ           0        <NA>      Detchd        1997          Unf
## 976        Typ           0        <NA>      Detchd        2000          Unf
## 977        Typ           0        <NA>        <NA>          NA         <NA>
## 978        Typ           0        <NA>      Attchd        2007          Fin
## 979        Typ           0        <NA>      Detchd        1999          Unf
## 980        Typ           0        <NA>      Detchd        1963          Unf
## 981        Typ           0        <NA>      Attchd        1961          RFn
## 982        Typ           1          TA      Attchd        1998          Fin
## 983        Typ           1          Gd      Attchd        2007          Fin
## 984        Typ           1          Gd      Attchd        2002          Unf
## 985        Typ           0        <NA>      Attchd        1977          Unf
## 986        Typ           0        <NA>      Detchd        1950          Unf
## 987        Typ           0        <NA>      Attchd        1950          Unf
## 988        Typ           1          Gd      Attchd        2010          Fin
```

```
## 989         Typ          1          TA     Attchd        1976          Fin
## 990         Typ          0        <NA>     Attchd        2006          RFn
## 991         Typ          1          TA     Attchd        1997          Fin
## 992         Typ          1          Gd     Attchd        1925          Unf
## 993         Typ          1          Fa     Attchd        1964          RFn
## 994         Typ          0        <NA>     Attchd        2005          RFn
## 995         Typ          1          Gd     Attchd        2008          Fin
## 996         Typ          0        <NA>     Detchd        1946          Unf
## 997         Typ          0        <NA>     Attchd        1961          Unf
## 998         Typ          1          TA     Attchd        1970          RFn
## 999         Typ          1          Gd     Detchd        1922          Unf
## 1000        Typ          0        <NA>     Attchd        2006          RFn
## 1001       Min1          0        <NA>     Detchd        1956          Unf
## 1002        Typ          0        <NA>     Detchd        1920          Unf
## 1003        Typ          1          Gd     Attchd        2006          RFn
## 1004        Typ          0        <NA>     Detchd        1976          Unf
## 1005        Typ          1          Gd     Attchd        2005          Fin
## 1006        Typ          0        <NA>     Attchd        1977          Unf
## 1007        Typ          1          TA     Attchd        1970          Unf
## 1008        Typ          0        <NA>     Attchd        1970          RFn
## 1009        Typ          1          Gd     Attchd        2004          Fin
## 1010        Typ          0        <NA>       <NA>          NA        <NA>
## 1011        Typ          1          Gd     Attchd        1948          Unf
## 1012        Typ          0        <NA>       <NA>          NA        <NA>
## 1013        Typ          2          TA     Detchd        1923          Unf
## 1014       Maj2          0        <NA>     Detchd        1956          Unf
## 1015        Typ          1          Gd     Detchd        1948          Unf
## 1016        Typ          0        <NA>     Attchd        2001          Fin
## 1017        Typ          1          TA     Attchd        1996          Fin
## 1018        Typ          1          Ex     Attchd        1984          RFn
## 1019        Typ          1          TA     Attchd        1991          RFn
## 1020        Typ          1          Gd     Attchd        2005          Fin
## 1021        Typ          0        <NA>     Attchd        2005          Fin
## 1022        Typ          0        <NA>     Attchd        2006          RFn
## 1023        Typ          0        <NA>     Detchd        1957          Unf
## 1024        Typ          1          Gd     Attchd        2005          Fin
## 1025        Typ          1          Gd     Attchd        1976          Fin
## 1026        Typ          0        <NA>     Detchd        1980          Unf
## 1027        Typ          2          Gd     Attchd        1960          Unf
## 1028        Typ          1          Gd     Attchd        2008          RFn
## 1029        Typ          1          Gd     Attchd        1941          Unf
## 1030        Typ          0        <NA>     Detchd        1972          Unf
## 1031        Typ          0        <NA>       <NA>          NA        <NA>
## 1032        Typ          2          TA    Basment        1970          Fin
## 1033        Typ          1          TA     Attchd        1993          RFn
## 1034        Typ          0        <NA>     Attchd        2002          Unf
## 1035        Typ          1          Gd    Basment        1938          Unf
## 1036        Typ          0        <NA>     Detchd        1957          Unf
## 1037        Typ          1          Ex     Attchd        2008          Fin
## 1038        Typ          1          TA    BuiltIn        2001          Fin
## 1039        Typ          1          TA       <NA>          NA        <NA>
## 1040        Typ          0        <NA>     Attchd        1970          Unf
## 1041       Maj1          1          TA     Attchd        1957          RFn
## 1042        Typ          0        <NA>     Attchd        1966          Unf
```

```
## 1043       Typ          1          Gd     Attchd        2005          RFn
## 1044       Typ          1          Ex     Attchd        1990          Unf
## 1045       Typ          1          Gd     Attchd        1981          Fin
## 1046      Min2          1          Gd     Attchd        1955          Unf
## 1047       Typ          1          Gd    BuiltIn        2005          Fin
## 1048       Typ          0        <NA>     Detchd        1996          Unf
## 1049      Min1          1          TA     Attchd        1960          Unf
## 1050       Typ          0        <NA>     Detchd        1946          Unf
## 1051       Typ          0        <NA>     Attchd        2007          Fin
## 1052       Typ          1          Gd     Attchd        2007          Fin
## 1053       Typ          1          TA     Attchd        1964          RFn
## 1054      Min2          1          Gd    Basment        1957          Unf
## 1055       Typ          1          Gd     Attchd        2002          Fin
## 1056       Typ          1          TA     Attchd        1976          Fin
## 1057       Typ          1          Gd     Attchd        2005          RFn
## 1058       Typ          1          Gd    BuiltIn        1994          Fin
## 1059       Typ          1          Gd     Attchd        2008          Fin
## 1060       Typ          1          Gd     Detchd        1977          Unf
## 1061       Typ          0        <NA>     Attchd        2001          Fin
## 1062       Typ          0        <NA>     Detchd        1994          RFn
## 1063      Min2          0        <NA>     Detchd        1945          Unf
## 1064       Typ          1          Gd     Detchd        1976          Unf
## 1065       Typ          1          Po     Attchd        1966          RFn
## 1066       Typ          0        <NA>     Attchd        1996          RFn
## 1067       Typ          1          TA     Attchd        1993          RFn
## 1068       Typ          0        <NA>     Attchd        1964          RFn
## 1069      Maj1          1          Gd     Attchd        1973          Fin
## 1070       Typ          0        <NA>     Detchd        1985          Unf
## 1071       Typ          0        <NA>     Attchd        1956          Unf
## 1072       Typ          0        <NA>     Attchd        1968          Unf
## 1073       Typ          1          TA     Detchd        1954          Unf
## 1074       Typ          0        <NA>     Attchd        1977          Fin
## 1075       Typ          0        <NA>     Attchd        2006          RFn
## 1076       Typ          2          Gd     Attchd        1940          Unf
## 1077      Min1          1          TA     Attchd        1950          Unf
## 1078       Typ          0        <NA>     Attchd        1969          Fin
## 1079       Typ          1          Gd     Attchd        2004          RFn
## 1080       Typ          0        <NA>     Attchd        1996          Unf
## 1081       Typ          0        <NA>     Attchd        1971          RFn
## 1082       Typ          0        <NA>     Attchd        1963          Fin
## 1083       Typ          1          Gd     Attchd        2002          RFn
## 1084       Typ          2          Gd     Attchd        1964          RFn
## 1085       Typ          1          TA     Attchd        1995          Fin
## 1086       Typ          0        <NA>     Attchd        1992          Unf
## 1087       Typ          0        <NA>     Attchd        1973          RFn
## 1088       Typ          1          Gd     Attchd        2005          RFn
## 1089      Maj1          0        <NA>     Detchd        2004          Unf
## 1090       Typ          1          Gd     Attchd        2005          Fin
## 1091       Typ          0        <NA>     Detchd        1987          Unf
## 1092       Typ          0        <NA>     Detchd        1999          Unf
## 1093       Typ          1          Gd     Detchd        1925          Unf
## 1094       Typ          0        <NA>     Detchd        1977          Unf
## 1095       Typ          0        <NA>     Attchd        1956          Fin
## 1096       Typ          1          Gd     Attchd        2006          RFn
```

```
## 1097        Typ          0        <NA>       <NA>          NA         <NA>
## 1098        Typ          0        <NA>     Attchd        1987          RFn
## 1099        Typ          0        <NA>     Detchd        1936          Unf
## 1100        Typ          1          TA     Attchd        1978          RFn
## 1101        Typ          0        <NA>     Detchd        1930          Unf
## 1102        Typ          0        <NA>     Detchd        1981          Unf
## 1103        Typ          0        <NA>     Attchd        1960          RFn
## 1104        Typ          1          Fa    BuiltIn        1954          Fin
## 1105        Typ          0        <NA>     Detchd        1970          Unf
## 1106        Typ          2          TA     Attchd        1994          RFn
## 1107        Typ          1          TA     Attchd        1990          Fin
## 1108        Typ          1          Gd    BuiltIn        2006          RFn
## 1109        Typ          1          TA     Attchd        2000          RFn
## 1110        Typ          1          Gd     Attchd        2004          Fin
## 1111        Typ          1          TA     Attchd        1995          Fin
## 1112        Typ          1          Gd     Attchd        1976          RFn
## 1113        Typ          0        <NA>     Detchd        1957          Unf
## 1114        Typ          0        <NA>     Attchd        1953          Unf
## 1115        Typ          0        <NA>     Detchd        1955          Unf
## 1116        Typ          1          Gd     Attchd        2007          RFn
## 1117        Typ          1          TA    BuiltIn        2002          Fin
## 1118        Typ          0        <NA>     Attchd        1967          RFn
## 1119       Min2          0        <NA>    BuiltIn        1958          RFn
## 1120        Typ          0        <NA>     Attchd        1959          RFn
## 1121        Typ          1          Gd     Detchd        1920          Unf
## 1122        Typ          0        <NA>     Attchd        2005          RFn
## 1123        Typ          0        <NA>    Basment        1956          Unf
## 1124        Typ          0        <NA>       <NA>          NA         <NA>
## 1125        Typ          1          TA     Attchd        1992          Fin
## 1126        Typ          1          TA     Detchd        1977          Unf
## 1127        Typ          1          TA     Attchd        2007          Fin
## 1128        Typ          1          Gd     Attchd        2004          Fin
## 1129        Typ          1          Gd    BuiltIn        2004          Fin
## 1130        Typ          0        <NA>     Detchd        1980          Unf
## 1131       Min2          2          TA     Detchd        1981          Unf
## 1132        Typ          0        <NA>       <NA>          NA         <NA>
## 1133        Typ          0        <NA>     Detchd        1930          Unf
## 1134        Typ          1          TA     Attchd        1995          RFn
## 1135        Typ          1          TA     Attchd        1997          Fin
## 1136        Typ          1          Gd     Detchd        1926          Unf
## 1137        Typ          0        <NA>     Attchd        1950          Unf
## 1138        Typ          0        <NA>       <NA>          NA         <NA>
## 1139        Typ          2          TA     Attchd        1977          RFn
## 1140       Maj1          1          Gd     Detchd        1972          Unf
## 1141        Typ          0        <NA>     Detchd        1988          Unf
## 1142        Typ          1          TA     Attchd        1976          Unf
## 1143        Typ          1          TA    BuiltIn        2006          RFn
## 1144        Typ          0        <NA>       <NA>          NA         <NA>
## 1145        Typ          0        <NA>     Detchd        1941          Unf
## 1146        Typ          1          Gd     Detchd        1928          Unf
## 1147        Typ          1          TA     Attchd        1985          Unf
## 1148        Typ          1          Gd     Attchd        1941          Unf
## 1149        Typ          1          Gd     Detchd        1982          Unf
##      GarageCars GarageArea GarageQual GarageCond PavedDrive WoodDeckSF
```

```
## 1          2         548         TA         TA         Y          0
## 2          2         460         TA         TA         Y        298
## 3          2         608         TA         TA         Y          0
## 4          3         642         TA         TA         Y          0
## 5          3         836         TA         TA         Y        192
## 6          2         480         TA         TA         Y         40
## 7          2         636         TA         TA         Y        255
## 8          2         484         TA         TA         Y        235
## 9          2         468         Fa         TA         Y         90
## 10         1         205         Gd         TA         Y          0
## 11         1         384         TA         TA         Y          0
## 12         3         736         TA         TA         Y        147
## 13         1         352         TA         TA         Y        140
## 14         3         840         TA         TA         Y        160
## 15         1         352         TA         TA         Y          0
## 16         2         576         TA         TA         Y         48
## 17         2         480         TA         TA         Y          0
## 18         2         516         TA         TA         Y          0
## 19         2         576         TA         TA         Y          0
## 20         1         294         TA         TA         Y          0
## 21         3         853         TA         TA         Y        240
## 22         1         280         TA         TA         N          0
## 23         2         534         TA         TA         Y        171
## 24         2         572         TA         TA         Y        100
## 25         1         270         TA         TA         Y        406
## 26         3         890         TA         TA         Y          0
## 27         2         576         TA         TA         Y        222
## 28         3         772         TA         TA         Y          0
## 29         1         319         TA         TA         Y        288
## 30         1         240         Fa         TA         Y         49
## 31         1         250         TA         Fa         N          0
## 32         1         271         TA         TA         Y          0
## 33         2         484         TA         TA         Y          0
## 34         2         447         TA         TA         Y          0
## 35         2         556         TA         TA         Y        203
## 36         3         691         TA         TA         Y        113
## 37         2         672         TA         TA         Y        392
## 38         2         498         TA         TA         Y          0
## 39         1         246         TA         TA         Y          0
## 40         0           0       <NA>       <NA>         N          0
## 41         2         440         TA         TA         Y          0
## 42         1         308         TA         TA         P          0
## 43         2         504         TA         Gd         Y        240
## 44         1         308         TA         TA         Y        145
## 45         1         300         TA         TA         Y          0
## 46         2         576         TA         TA         Y        196
## 47         2         670         TA         TA         Y        168
## 48         3         826         TA         TA         Y          0
## 49         0           0       <NA>       <NA>         N          0
## 50         1         386         TA         TA         Y          0
## 51         2         388         TA         TA         Y          0
## 52         2         528         TA         TA         Y        112
## 53         2         516         TA         TA         Y        106
## 54         3         894         TA         TA         Y        857
```

```
## 55          2         572         TA         TA         Y          0
## 56          2         576         TA         TA         Y          0
## 57          2         480         TA         TA         Y        115
## 58          2         565         TA         TA         Y          0
## 59          3         641         TA         TA         Y        192
## 60          1         352         TA         TA         Y        196
## 61          2         576         TA         TA         Y          0
## 62          1         288         TA         TA         N          0
## 63          2         484         TA         TA         Y        120
## 64          2         480         TA         TA         Y         12
## 65          2         645         TA         TA         Y        576
## 66          3         852         TA         TA         Y        192
## 67          2         576         TA         TA         Y        301
## 68          2         558         TA         TA         Y        144
## 69          1         220         TA         TA         Y          0
## 70          2         667         TA         TA         Y          0
## 71          2         516         TA         TA         Y        300
## 72          2         360         TA         TA         Y          0
## 73          2         427         TA         TA         Y          0
## 74          2         490         TA         TA         Y          0
## 75          1         379         TA         TA         Y          0
## 76          1         297         TA         TA         Y        120
## 77          1         283         TA         TA         Y          0
## 78          1         240         TA         TA         Y          0
## 79          0           0       <NA>       <NA>         Y          0
## 80          2         440         TA         TA         Y         74
## 81          1         509         TA         TA         Y          0
## 82          2         405         TA         TA         Y          0
## 83          3         758         TA         TA         Y        144
## 84          2         461         TA         TA         Y         74
## 85          2         400         TA         TA         Y        120
## 86          2         462         TA         TA         Y        127
## 87          2         400         TA         TA         Y        100
## 88          2         528         TA         TA         Y          0
## 89          0           0       <NA>       <NA>         N          0
## 90          0           0       <NA>       <NA>         Y          0
## 91          2         420         TA         TA         Y          0
## 92          2         480         TA         TA         Y          0
## 93          2         432         TA         TA         Y          0
## 94          2         506         TA         TA         Y          0
## 95          2         684         TA         TA         Y          0
## 96          2         420         TA         TA         Y        232
## 97          2         472         TA         TA         Y        158
## 98          1         432         TA         TA         P        120
## 99          1         366         Fa         TA         Y          0
## 100         0           0       <NA>       <NA>         Y        352
## 101         2         480         TA         TA         Y        168
## 102         2         476         TA         TA         Y        192
## 103         2         410         TA         TA         Y          0
## 104         3         740         TA         TA         Y          0
## 105         1         240         TA         TA         Y          0
## 106         2         648         TA         TA         Y        140
## 107         1         273         Fa         Fa         N          0
## 108         1         250         TA         TA         Y          0
```

```
## 109          0          0       <NA>       <NA>          N          0
## 110          2        546         TA         TA          Y          0
## 111          1        325         TA         TA          Y        182
## 112          2        400         TA         TA          Y        180
## 113          3        792         TA         TA          Y        120
## 114          2        450         TA         TA          Y        166
## 115          1        180         TA         TA          Y        224
## 116          2        440         TA         TA          Y          0
## 117          1        288         TA         TA          Y          0
## 118          2        430         TA         TA          Y         80
## 119          3        594         TA         TA          Y        367
## 120          2        390         TA         TA          Y          0
## 121          2        540         TA         TA          Y          0
## 122          1        264         TA         TA          P          0
## 123          1        288         TA         TA          Y          0
## 124          2        530         TA         TA          Y          0
## 125          2        435         TA         TA          Y        192
## 126          0          0       <NA>       <NA>          N         53
## 127          2        440         TA         TA          Y          0
## 128          0          0       <NA>       <NA>          N          0
## 129          2        453         TA         TA          Y        188
## 130          2        750         TA         TA          Y          0
## 131          2        487         TA         TA          Y        105
## 132          2        390         TA         TA          Y         24
## 133          2        624         TA         TA          Y          0
## 134          2        471         TA         TA          Y        192
## 135          2        440         TA         TA          Y          0
## 136          2        530         TA         TA          Y         98
## 137          1        318         TA         TA          Y          0
## 138          3        766         TA         TA          Y          0
## 139          3        660         TA         TA          Y        224
## 140          2        470         TA         TA          Y        276
## 141          0          0       <NA>       <NA>          Y          0
## 142          2        660         TA         TA          Y        160
## 143          2        720         TA         TA          Y          0
## 144          2        577         TA         TA          Y        144
## 145          2        504         TA         TA          Y          0
## 146          2        380         TA         TA          Y          0
## 147          1        180         Fa         TA          Y         48
## 148          2        434         TA         TA          Y        144
## 149          0          0       <NA>       <NA>          Y          0
## 150          1        240         Fa         TA          Y        200
## 151          2        440         TA         TA          Y          0
## 152          3        866         TA         TA          Y          0
## 153          2        495         TA         TA          Y          0
## 154          2        564         TA         TA          Y        409
## 155          1        312         Fa         Fa          Y          0
## 156          0          0       <NA>       <NA>          N          0
## 157          2        625         TA         TA          Y          0
## 158          3        680         TA         TA          Y          0
## 159          2        678         TA         TA          Y          0
## 160          2        576         TA         TA          Y        239
## 161          2        516         TA         TA          Y          0
## 162          3        726         TA         TA          Y        400
```

```
## 163          2         532         TA         TA          Y          0
## 164          0           0       <NA>       <NA>          Y          0
## 165          1         216         TA         TA          Y          0
## 166          0           0       <NA>       <NA>          Y        140
## 167          1         303         TA         TA          Y        476
## 168          3         789         TA         TA          Y        178
## 169          2         440         TA         TA          Y        100
## 170          2         511         TA         TA          Y        574
## 171          2         660         TA         TA          Y        237
## 172          2         528         TA         TA          P        210
## 173          2         504         Gd         TA          Y        441
## 174          2         504         TA         TA          Y          0
## 175          2         616         TA         TA          Y        192
## 176          2         576         TA         TA          Y          0
## 177          2         521         TA         TA          Y          0
## 178          2         451         TA         TA          Y          0
## 179          3        1166         TA         TA          Y          0
## 180          2         480         Fa         TA          N          0
## 181          2         440         TA         TA          Y          0
## 182          1         216         Fa         TA          Y          0
## 183          1         252         TA         TA          Y        116
## 184          2         484         TA         TA          N        280
## 185          2         576         TA         TA          Y        104
## 186          3         840         Ex         TA          Y          0
## 187          2         497         TA         TA          Y        168
## 188          1         180         Fa         Fa          N          0
## 189          2         528         TA         TA          Y        120
## 190          2         682         TA         TA          Y          0
## 191          2         440         TA         TA          Y          0
## 192          2         484         TA         TA          Y          0
## 193          2         666         TA         TA          Y          0
## 194          2         380         TA         TA          Y          0
## 195          1         352         TA         TA          Y          0
## 196          2         440         TA         TA          Y         87
## 197          3         786         TA         TA          Y        171
## 198          2         795         TA         TA          Y          0
## 199          0           0       <NA>       <NA>          Y          0
## 200          3         856         TA         TA          Y          0
## 201          2         440         TA         TA          Y        132
## 202          2         473         TA         TA          Y        238
## 203          1         398         TA         TA          Y          0
## 204          2         420         TA         TA          Y        149
## 205          1         240         TA         TA          Y          0
## 206          2         500         TA         TA          Y          0
## 207          1         349         TA         TA          Y          0
## 208          1         312         TA         TA          Y        355
## 209          2         454         TA         TA          Y         60
## 210          2         504         TA         Gd          Y          0
## 211          0           0       <NA>       <NA>          Y          0
## 212          2         460         TA         TA          Y        100
## 213          2         644         TA         TA          Y        168
## 214          2         576         TA         TA          Y        224
## 215          1         299         TA         TA          Y          0
## 216          1         447         TA         TA          Y          0
```

```
## 217          2         484         TA          TA          Y         139
## 218          1         210         TA          TA          Y           0
## 219          2         431         TA          TA          Y           0
## 220          2         438         TA          TA          Y         108
## 221          2         675         TA          TA          Y         351
## 222          2         390         TA          TA          Y         120
## 223          2         434         TA          TA          Y         209
## 224          2         576         TA          TA          Y         216
## 225          3         968         TA          TA          Y         248
## 226          1         280         TA          TA          Y           0
## 227          3         721         TA          TA          Y         224
## 228          1         280         TA          TA          Y           0
## 229          1         336         TA          TA          Y           0
## 230          2         430         TA          TA          Y         143
## 231          1         312         TA          TA          Y           0
## 232          3         810         TA          TA          Y           0
## 233          1         288         TA          TA          Y           0
## 234          1         308         TA          TA          Y         365
## 235          2         440         TA          TA          Y         288
## 236          1         264         TA          TA          Y           0
## 237          2         494         TA          TA          Y         132
## 238          2         457         TA          TA          Y         370
## 239          3         818         TA          TA          Y         168
## 240          1         220         TA          TA          Y           0
## 241          2         750         TA          TA          Y         144
## 242          0           0       <NA>        <NA>          Y          58
## 243          1         352         Fa          TA          Y           0
## 244          1         288         TA          TA          Y           0
## 245          2         463         TA          TA          Y           0
## 246          2         604         TA          TA          Y         197
## 247          1         440         Po          Po          Y           0
## 248          2         451         TA          TA          Y           0
## 249          2         500         TA          TA          Y         144
## 250          2         389         TA          TA          Y           0
## 251          0           0       <NA>        <NA>          Y         263
## 252          2         538         TA          TA          Y         123
## 253          2         520         TA          TA          Y         138
## 254          1         309         TA          TA          Y         333
## 255          1         294         TA          TA          Y         250
## 256          2         429         TA          TA          Y         192
## 257          2         673         TA          TA          Y         216
## 258          2         660         TA          TA          Y         123
## 259          2         564         TA          TA          Y           0
## 260          1         308         TA          TA          Y           0
## 261          2         884         TA          TA          Y           0
## 262          3         868         TA          TA          Y           0
## 263          2         492         TA          TA          Y         292
## 264          2         484         TA          TA          Y           0
## 265          2         504         TA          TA          N           0
## 266          2         576         TA          TA          Y         276
## 267          2         413         TA          TA          Y          95
## 268          1         240         TA          TA          Y         262
## 269          1         924         Ex          Ex          Y           0
## 270          1         504         TA          Gd          Y         370
```

```
## 271          3       1053         TA         TA         Y        192
## 272          2        439         TA         TA         Y         81
## 273          3        671         TA         TA         Y        132
## 274          1        338         TA         TA         Y        289
## 275          1        264         TA         TA         Y        168
## 276          2        672         TA         TA         Y         74
## 277          2        573         TA         TA         Y        100
## 278          2        400         TA         TA         Y          0
## 279          3        732         TA         TA         Y        124
## 280          2        505         TA         TA         Y        288
## 281          2        575         TA         TA         Y          0
## 282          2        572         TA         TA         Y          0
## 283          2        626         TA         TA         Y        172
## 284          3        898         TA         TA         Y        210
## 285          2        529         TA         TA         Y          0
## 286          2        528         TA         TA         Y          0
## 287          2        440         TA         TA         Y          0
## 288          0          0       <NA>       <NA>         Y          0
## 289          1        280         TA         TA         Y          0
## 290          1        384         TA         TA         Y          0
## 291          2        685         Gd         TA         Y          0
## 292          0          0       <NA>       <NA>         N          0
## 293          1        281         TA         TA         Y          0
## 294          2        539         TA         TA         Y          0
## 295          2        418         TA         TA         Y        110
## 296          2        588         TA         TA         Y        120
## 297          1        282         TA         TA         Y        289
## 298          2        576         TA         TA         Y          0
## 299          2        539         TA         TA         Y        224
## 300          1        300         TA         TA         Y          0
## 301          1        375         TA         TA         Y          0
## 302          2        683         TA         TA         Y        208
## 303          3        843         TA         TA         Y        468
## 304          2        552         TA         TA         Y        256
## 305          3        870         TA         TA         Y        302
## 306          3        888         TA         TA         Y        168
## 307          3        746         TA         TA         Y        127
## 308          0          0       <NA>       <NA>         N          0
## 309          2        539         TA         TA         Y        158
## 310          3        708         TA         TA         Y        208
## 311          2        420         TA         TA         Y        190
## 312          1        240         TA         TA         Y          0
## 313          2        410         TA         TA         Y          0
## 314          2        513         TA         TA         Y          0
## 315          2        546         Fa         TA         Y          0
## 316          2        432         TA         TA         Y        100
## 317          2        484         TA         TA         Y        288
## 318          3       1025         TA         TA         Y        208
## 319          3        656         TA         TA         Y        340
## 320          2        588         TA         TA         Y        233
## 321          3        840         TA         TA         Y        240
## 322          3        872         TA         TA         Y        184
## 323          2        576         TA         TA         Y        201
## 324          1        220         Fa         TA         Y        142
```

```
## 325          2         564         TA          TA          Y         240
## 326          2         360         TA          TA          Y           0
## 327          2         473         TA          TA          Y         122
## 328          1         292         TA          TA          Y           0
## 329          2         441         TA          TA          Y           0
## 330          1         189         Fa          Fa          N           0
## 331          1         352         TA          TA          Y         155
## 332          1         308         TA          TA          Y           0
## 333          3         880         TA          TA          Y           0
## 334          2         484         TA          TA          Y         192
## 335          2         472         TA          TA          Y         100
## 336          2         529         TA          TA          Y         670
## 337          3         676         TA          TA          Y         178
## 338          2         532         TA          TA          Y         192
## 339          2         440         TA          TA          Y         108
## 340          1         297         TA          TA          Y           0
## 341          2         431         TA          TA          Y         135
## 342          1         294         TA          TA          N         250
## 343          2         400         TA          TA          Y           0
## 344          2         564         TA          TA          Y         495
## 345          1         336         TA          TA          Y         182
## 346          1         312         TA          TA          Y           0
## 347          1         301         TA          TA          Y           0
## 348          2         498         TA          TA          Y           0
## 349          2         474         TA          TA          Y           0
## 350          3         706         TA          TA          Y           0
## 351          2         617         TA          TA          Y         210
## 352          2         445         TA          TA          Y           0
## 353          1         200         TA          Fa          Y          48
## 354          2         484         TA          TA          Y         106
## 355          1         240         TA          TA          Y           0
## 356          2         521         TA          TA          Y           0
## 357          2         400         TA          TA          Y         120
## 358          2         528         TA          TA          Y         536
## 359          1         288         TA          TA          Y         168
## 360          2         592         TA          TA          Y         208
## 361          2         470         TA          TA          Y           0
## 362          1         240         TA          TA          N           0
## 363          2         672         TA          TA          Y           0
## 364          1         264         TA          TA          Y         250
## 365          2         566         TA          TA          Y         306
## 366          1         468         TA          Fa          Y           0
## 367          2         514         TA          TA          Y           0
## 368          1         296         TA          TA          Y          64
## 369          1         244         TA          TA          Y           0
## 370          2         576         TA          TA          Y         364
## 371          2         460         TA          TA          Y         100
## 372          2         680         TA          TA          N           0
## 373          1         264         TA          TA          Y         353
## 374          1         270         TA          TA          Y          66
## 375          2         434         TA          TA          Y         100
## 376          0           0       <NA>        <NA>          Y           0
## 377          2         576         TA          TA          Y           0
## 378          2         610         TA          TA          Y         159
```

```
## 379          3         834          TA          TA          Y         113
## 380          2         463          TA          TA          Y         100
## 381          1         308          TA          TA          Y           0
## 382          2         572          TA          TA          Y         216
## 383          2         639          TA          TA          Y         144
## 384          2         360          Fa          Fa          N           0
## 385          2         501          TA          TA          Y         216
## 386          2         430          TA          TA          Y         146
## 387          0           0        <NA>        <NA>          N           0
## 388          1         352          TA          TA          Y         296
## 389          2         577          TA          TA          Y         120
## 390          3         846          TA          TA          Y         196
## 391          1         384          TA          TA          Y           0
## 392          2         560          TA          TA          Y         125
## 393          1         294          TA          TA          Y           0
## 394          0           0        <NA>        <NA>          Y           0
## 395          1         240          TA          TA          Y           0
## 396          1         596          TA          TA          Y          44
## 397          2         600          TA          TA          Y         215
## 398          1         264          TA          TA          Y           0
## 399          1         338          Po          Po          N           0
## 400          2         438          TA          TA          Y           0
## 401          2         500          TA          TA          Y         120
## 402          2         400          TA          TA          Y           0
## 403          1         240          TA          TA          N         168
## 404          2         420          TA          TA          Y         144
## 405          2         373          TA          TA          Y           0
## 406          2         490          TA          TA          Y         120
## 407          1         240          TA          TA          Y           0
## 408          1         308          TA          TA          Y           0
## 409          3         947          TA          TA          Y         192
## 410          3         836          TA          TA          Y           0
## 411          1         350          TA          TA          Y           0
## 412          2         572          TA          TA          Y         264
## 413          2         484          TA          TA          Y           0
## 414          2         360          TA          TA          Y           0
## 415          3         678          TA          TA          Y         196
## 416          2         396          TA          TA          Y         100
## 417          2         440          TA          TA          Y           0
## 418          3         864          TA          TA          N           0
## 419          1         240          TA          TA          P           0
## 420          1         304          TA          TA          Y           0
## 421          4         784          TA          TA          Y           0
## 422          2         529          TA          TA          Y         240
## 423          2         520          TA          TA          N           0
## 424          3         696          TA          TA          Y           0
## 425          1         297          TA          TA          Y           0
## 426          1         240          TA          TA          P           0
## 427          2         569          TA          TA          Y          80
## 428          1         352          TA          TA          Y           0
## 429          2         628          TA          TA          Y         105
## 430          2         576          TA          TA          Y           0
## 431          1         264          TA          TA          Y           0
## 432          0           0        <NA>        <NA>          N           0
```

```
## 433     2     440     TA     TA     Y     240
## 434     2     470     TA     TA     Y       0
## 435     0       0   <NA>   <NA>     Y      88
## 436     2     550     TA     TA     Y     158
## 437     2     440     TA     TA     Y       0
## 438     1     180     TA     TA     Y       0
## 439     1     352     Gd     TA     P       0
## 440     2     528     TA     TA     Y       0
## 441     3     672     TA     TA     Y       0
## 442     0       0   <NA>   <NA>     Y       0
## 443     2     360     TA     TA     P       0
## 444     3     648     TA     TA     Y     144
## 445     2     493     TA     TA     Y     144
## 446     2     480     TA     TA     Y       0
## 447     2     578     TA     TA     Y       0
## 448     2     431     TA     TA     Y      89
## 449     1     198     TA     TA     N       0
## 450     1     308     TA     TA     Y       0
## 451     1     270     Fa     Fa     N       0
## 452     2     576     TA     TA     Y     200
## 453     2     422     TA     TA     Y     144
## 454     2     676     TA     TA     Y       0
## 455     2     560     TA     TA     Y       0
## 456     2     528     TA     TA     Y       0
## 457     3     513     Fa     Fa     Y       0
## 458     2     529     TA     TA     Y     224
## 459     1     228     TA     TA     Y     192
## 460     1     352     TA     TA     Y       0
## 461     2     552     TA     TA     Y       0
## 462     2     576     TA     TA     Y     256
## 463     1     360     TA     TA     Y       0
## 464     1     240     TA     TA     Y       0
## 465     0       0   <NA>   <NA>     Y       0
## 466     2     398     TA     TA     Y     144
## 467     2     526     TA     TA     Y       0
## 468     1     312     TA     TA     Y     168
## 469     3     866     TA     TA     Y       0
## 470     2     506     TA     TA     Y     144
## 471     2     528     TA     TA     Y       0
## 472     2     534     TA     TA     Y       0
## 473     2     525     TA     TA     Y       0
## 474     3     908     TA     TA     Y     250
## 475     2     499     TA     TA     Y      96
## 476     2     624     TA     TA     Y       0
## 477     2     508     TA     TA     Y     140
## 478     3     694     TA     TA     Y     414
## 479     3     826     TA     TA     Y     208
## 480     2     672     TA     TA     Y       0
## 481     3     772     TA     TA     Y     519
## 482     3     874     TA     TA     Y     206
## 483     1     164     Fa     Fa     Y       0
## 484     2     402     TA     TA     Y       0
## 485     1     264     TA     TA     Y       0
## 486     1     264     TA     TA     Y       0
```

```
## 487          2         515          TA          TA          Y          0
## 488          2         487          TA          TA          Y        224
## 489          2         520          TA          Fa          N        142
## 490          1         286          TA          TA          Y          0
## 491          1         336          TA          TA          Y        141
## 492          1         240          TA          TA          Y          0
## 493          2         429          TA          TA          Y          0
## 494          1         308          TA          TA          Y          0
## 495          1         273          TA          TA          Y        144
## 496          0           0        <NA>        <NA>          N          0
## 497          2         546          TA          TA          Y        264
## 498          1         240          TA          TA          N          0
## 499          1         288          TA          TA          Y         64
## 500          1         297          TA          TA          Y         12
## 501          1         264          TA          TA          Y        144
## 502          2         603          TA          TA          Y          0
## 503          2         461          Fa          Fa          Y          0
## 504          2         484          TA          TA          Y          0
## 505          2         440          TA          TA          Y        260
## 506          2         400          TA          TA          N          0
## 507          2         471          TA          TA          Y        182
## 508          2         676          TA          TA          Y          0
## 509          2         360          TA          TA          N          0
## 510          1         270          TA          TA          Y        224
## 511          1         288          TA          TA          Y        324
## 512          2         474          TA          TA          Y        132
## 513          2         624          TA          TA          Y          0
## 514          2         484          TA          TA          Y        120
## 515          1         200          Po          Po          Y          0
## 516          3         900          TA          TA          Y        156
## 517          2         583          TA          TA          Y          0
## 518          3         889          TA          TA          Y        220
## 519          2         546          TA          TA          Y          0
## 520          1         282          TA          TA          Y          0
## 521          0           0        <NA>        <NA>          N        220
## 522          1         336          TA          TA          Y          0
## 523          2         420          TA          TA          Y          0
## 524          3         884          TA          TA          Y        208
## 525          3         834          TA          TA          Y        239
## 526          2         453          TA          TA          Y         38
## 527          1         252          TA          TA          Y        261
## 528          3         858          TA          TA          Y        126
## 529          0           0        <NA>        <NA>          N          0
## 530          2         484          TA          TA          Y          0
## 531          2         600          TA          TA          Y        224
## 532          2         502          TA          Fa          Y          0
## 533          1         392          TA          TA          Y          0
## 534          0           0        <NA>        <NA>          N          0
## 535          2         403          TA          TA          Y        100
## 536          0           0        <NA>        <NA>          N         85
## 537          2         527          TA          TA          Y        120
## 538          2         576          TA          TA          Y        216
## 539          1         336          TA          TA          Y        466
## 540          2         670          TA          TA          Y        180
```

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## 541          3         765          TA          TA          Y         270
## 542          3         648          TA          TA          Y           0
## 543          2         583          TA          TA          Y          78
## 544          1         367          TA          TA          Y         120
## 545          2         426          TA          TA          Y         100
## 546          3         786          TA          TA          Y           0
## 547          2         440          TA          TA          Y           0
## 548          2         624          TA          TA          Y         104
## 549          2         720          TA          TA          Y         140
## 550          2         615          TA          TA          Y         182
## 551          2         440          TA          TA          Y           0
## 552          1         288          TA          TA          Y           0
## 553          3         908          TA          TA          Y         169
## 554          2         520          TA          TA          N           0
## 555          3         871          TA          TA          Y         320
## 556          1         280          TA          TA          Y           0
## 557          1         299          TA          TA          Y         268
## 558          1         570          TA          TA          Y           0
## 559          2         406          TA          TA          Y         264
## 560          2         420          TA          TA          Y         143
## 561          2         528          TA          TA          Y           0
## 562          2         418          TA          TA          Y         240
## 563          0           0        <NA>        <NA>          Y         144
## 564          2         396          TA          TA          N          72
## 565          2         590          TA          TA          Y           0
## 566          1         216          TA          TA          Y           0
## 567          3         656          TA          TA          Y         144
## 568          2         532          TA          TA          Y           0
## 569          2         612          Gd          TA          Y         349
## 570          2         600          TA          TA          Y          42
## 571          2         576          TA          TA          Y           0
## 572          1         288          TA          TA          Y         168
## 573          2         650          TA          TA          Y         208
## 574          2         400          TA          TA          Y         100
## 575          1         288          TA          TA          Y          35
## 576          1         336          TA          TA          Y         158
## 577          1         216          TA          TA          Y           0
## 578          2         564          TA          TA          Y         160
## 579          2         540          TA          TA          Y           0
## 580          1         352          Fa          TA          Y           0
## 581          2         572          TA          TA          Y         216
## 582          3        1390          TA          TA          Y           0
## 583          0           0        <NA>        <NA>          Y           0
## 584          2         880          Gd          TA          Y         105
## 585          1         240          TA          TA          Y           0
## 586          3         880          TA          TA          Y         326
## 587          1         275          TA          TA          N           0
## 588          2         528          TA          TA          Y           0
## 589          1         452          TA          TA          Y           0
## 590          1         308          TA          TA          P           0
## 591          2         520          TA          TA          Y           0
## 592          3         842          TA          TA          Y         382
## 593          2         816          TA          TA          Y           0
## 594          2         420          TA          TA          Y         140
```

```
## 595          1        280        TA        TA        Y         0
## 596          3        758        TA        TA        Y       180
## 597          1        216        TA        Fa        N         0
## 598          3        648        TA        TA        Y       120
## 599          2        621        TA        TA        Y         0
## 600          2        452        TA        TA        Y       161
## 601          2        736        TA        TA        Y       179
## 602          1        544        TA        TA        P         0
## 603          2        506        TA        TA        Y       120
## 604          2        480        TA        TA        Y         0
## 605          2        530        TA        TA        Y       192
## 606          2        486        TA        TA        Y         0
## 607          2        576        TA        TA        Y       168
## 608          1        230        TA        TA        Y       103
## 609          2        380        TA        TA        Y         0
## 610          1        261        TA        TA        Y        64
## 611          3        736        TA        TA        Y       253
## 612          2        564        TA        TA        Y         0
## 613          2        531        TA        TA        Y       160
## 614          0          0      <NA>      <NA>        Y         0
## 615          0          0      <NA>      <NA>        Y        96
## 616          2        480        TA        TA        Y       120
## 617          2        393        TA        TA        Y       100
## 618          2        528        TA        TA        Y         0
## 619          3        774        TA        TA        Y         0
## 620          3        749        TA        TA        Y       168
## 621          0          0      <NA>      <NA>        N         0
## 622          2        624        TA        TA        Y        38
## 623          2        484        TA        TA        Y       192
## 624          2        440        TA        TA        Y         0
## 625          2        484        TA        TA        Y       148
## 626          2        440        TA        TA        Y         0
## 627          1        286        TA        TA        Y         0
## 628          1        364        TA        TA        Y         0
## 629          2        504        TA        TA        Y       335
## 630          2        520        TA        TA        Y       176
## 631          1        240        Fa        Po        N         0
## 632          2        627        TA        TA        Y       156
## 633          2        544        TA        TA        Y       192
## 634          1        260        TA        TA        Y       390
## 635          2        576        TA        TA        Y       264
## 636          0          0      <NA>      <NA>        N         0
## 637          0          0      <NA>      <NA>        N         0
## 638          1        256        TA        TA        Y         0
## 639          0          0      <NA>      <NA>        P       328
## 640          3        648        TA        TA        Y       312
## 641          2        588        TA        TA        Y       185
## 642          2        650        TA        TA        Y         0
## 643          2        538        TA        TA        Y       269
## 644          2        462        TA        TA        Y       208
## 645          3        478        TA        TA        Y       195
## 646          2        576        TA        TA        Y         0
## 647          2        420        TA        TA        Y         0
## 648          2        495        TA        TA        Y         0
```

```
## 649          2        442         TA         TA          Y          0
## 650          0          0       <NA>       <NA>          Y          0
## 651          2        562         TA         TA          Y          0
## 652          1        296         Fa         Po          P        120
## 653          2        512         TA         TA          Y          0
## 654          1        216         TA         TA          Y         57
## 655          3        839         TA         TA          Y        236
## 656          1        264         TA         TA          Y          0
## 657          1        312         TA         TA          Y          0
## 658          1        270         TA         TA          P          0
## 659          1        330         TA         TA          Y        192
## 660          2        480         TA         TA          Y          0
## 661          2        550         TA         TA          Y          0
## 662          3        711         TA         TA          Y        517
## 663          2        576         TA         TA          Y          0
## 664          2        588         TA         TA          Y          0
## 665          3       1134         TA         TA          Y        192
## 666          2        504         TA         TA          Y        188
## 667          2        596         TA         TA          Y          0
## 668          2        575         TA         TA          Y        224
## 669          2        576         TA         TA          Y        304
## 670          1        252         TA         Fa          Y          0
## 671          2        540         TA         TA          Y        100
## 672          1        300         TA         TA          Y        147
## 673          2        546         TA         TA          Y        198
## 674          2        416         TA         TA          Y          0
## 675          1        384         TA         TA          Y        426
## 676          2        440         TA         TA          Y         28
## 677          3        779         Fa         Fa          N          0
## 678          1        240         Fa         Fa          N        316
## 679          3        834         TA         TA          Y        322
## 680          2        572         TA         TA          Y          0
## 681          1        264         TA         TA          Y         80
## 682          1        281         TA         TA          Y          0
## 683          2        431         TA         TA          Y        307
## 684          3        702         TA         TA          Y        257
## 685          2        486         TA         TA          Y          0
## 686          2        577         TA         TA          Y        219
## 687          2        578         TA         TA          Y        144
## 688          2        480         TA         TA          Y          0
## 689          2        567         TA         TA          Y        140
## 690          2        460         TA         TA          Y        192
## 691          2        420         TA         TA          Y        149
## 692          3        832         TA         TA          Y        382
## 693          2        628         TA         TA          Y        320
## 694          1        326         TA         TA          Y          0
## 695          2        576         TA         TA          Y        112
## 696          2        551         TA         TA          Y        125
## 697          1        205         TA         TA          Y          0
## 698          1        308         TA         TA          Y          0
## 699          1        336         TA         TA          Y        416
## 700          2        530         TA         TA          Y        156
## 701          3        765         TA         TA          Y        270
## 702          2        528         TA         TA          Y          0
```

```
## 703          3         666          TA          TA          Y         324
## 704          2         672          TA          TA          N         344
## 705          2         606          TA          TA          Y           0
## 706          0           0        <NA>        <NA>          N           0
## 707          2         739          TA          TA          Y         380
## 708          2         550          TA          TA          Y         192
## 709          2         400          TA          TA          Y         100
## 710          1         408          TA          TA          Y           0
## 711          0           0        <NA>        <NA>          N           0
## 712          1         384          TA          TA          N          68
## 713          2         472          TA          TA          Y         168
## 714          2         576          TA          TA          Y           0
## 715          2         475          TA          TA          Y           0
## 716          2         478          TA          TA          Y           0
## 717          2         704          TA          TA          P           0
## 718          2         439          TA          TA          Y         224
## 719          3         983          TA          TA          Y         250
## 720          1         300          TA          TA          Y           0
## 721          2         564          TA          TA          Y         114
## 722          2         420          TA          TA          Y         160
## 723          2         463          TA          TA          Y           0
## 724          1         548          TA          TA          Y           0
## 725          3         768          TA          TA          Y         327
## 726          2         660          TA          TA          Y          96
## 727          2         540          TA          TA          Y         292
## 728          2         632          TA          TA          Y         132
## 729          3         888          TA          TA          Y           0
## 730          2         539          TA          TA          Y           0
## 731          2         608          TA          TA          Y         237
## 732          2         438          TA          TA          Y         160
## 733          2         541          TA          TA          Y         192
## 734          1         264          TA          TA          Y         165
## 735          1         300          TA          TA          Y         147
## 736          2         320          TA          TA          N           0
## 737          2         400          TA          TA          Y           0
## 738          3         800          TA          TA          Y           0
## 739          0           0        <NA>        <NA>          Y         120
## 740          2         572          TA          TA          Y         187
## 741          2         360          TA          Gd          Y         270
## 742          1         288          TA          TA          Y         168
## 743          2         539          TA          TA          Y         120
## 744          2         480          TA          TA          Y         302
## 745          2         462          TA          TA          Y          96
## 746          2         831          TA          TA          Y           0
## 747          2         554          TA          TA          Y         224
## 748          4         864          TA          TA          N         181
## 749          2         527          TA          TA          Y         240
## 750          1         240          TA          TA          N          92
## 751          0           0        <NA>        <NA>          N           0
## 752          2         400          TA          TA          Y           0
## 753          2         576          TA          TA          Y         168
## 754          3         878          TA          TA          Y         192
## 755          2         440          TA          TA          Y         171
## 756          2         440          TA          TA          Y           0
```

```
## 757     2     578     TA     TA     Y     144
## 758     2     440     TA     TA     Y     335
## 759     2     440     TA     TA     Y       0
## 760     3     752     TA     TA     Y     222
## 761     1     300     Ex     Ex     Y       0
## 762     2     440     TA     TA     Y       0
## 763     2     614     TA     TA     Y     169
## 764     3     856     TA     TA     Y       0
## 765     2     481     TA     TA     Y       0
## 766     2     592     TA     TA     Y       0
## 767     2     496     TA     TA     Y     228
## 768     1     423     TA     TA     Y     245
## 769     2     484     TA     TA     Y     120
## 770     3     841     TA     TA     Y     503
## 771     2     576     TA     TA     Y     120
## 772     2     396     TA     TA     Y       0
## 773     2     672     TA     TA     Y     144
## 774     1     275     TA     TA     Y       0
## 775     3     895     TA     TA     Y     315
## 776     2     412     TA     TA     Y       0
## 777     3     865     TA     TA     Y     144
## 778     2     440     TA     TA     Y     241
## 779     2     630     TA     TA     Y       0
## 780     2     504     TA     TA     Y       0
## 781     2     402     TA     TA     Y     220
## 782     2     484     TA     TA     Y       0
## 783     2     605     TA     TA     Y       0
## 784     2     602     TA     TA     Y     303
## 785     0       0   <NA>   <NA>     Y       0
## 786     2     457     TA     TA     Y       0
## 787     1     416     TA     TA     Y       0
## 788     2     618     TA     TA     Y       0
## 789     1     281     Fa     TA     Y       0
## 790     2     444     TA     TA     Y     133
## 791     2     397     TA     TA     Y     100
## 792     2     539     TA     TA     Y     120
## 793     2     455     TA     TA     Y     180
## 794     2     474     TA     TA     Y     168
## 795     2     409     TA     TA     Y     143
## 796     2     476     TA     TA     Y       0
## 797     2     528     TA     TA     Y     138
## 798     1     240     TA     TA     Y       0
## 799     3     820     TA     TA     Y     144
## 800     1     240     TA     TA     Y       0
## 801     2     603     TA     TA     Y     403
## 802     2     440     TA     TA     Y       0
## 803     2     410     TA     TA     Y      36
## 804     3    1020     TA     TA     Y      52
## 805     1     286     TA     TA     Y       0
## 806     2     554     TA     TA     Y       0
## 807     1     384     TA     TA     Y      68
## 808     2     528     TA     TA     Y       0
## 809     2     484     TA     TA     Y       0
## 810     2     360     Fa     Po     N      40
```

```
## 811          2         484         TA         TA         Y         265
## 812          2         420         TA         TA         Y         140
## 813          2         504         TA         TA         N           0
## 814          1         301         TA         TA         Y           0
## 815          1         280         TA         TA         P         207
## 816          2         598         TA         TA         Y           0
## 817          1         275         TA         TA         Y           0
## 818          3         857         TA         TA         Y         150
## 819          2         440         TA         TA         Y           0
## 820          2         484         TA         TA         Y         192
## 821          2         595         TA         TA         Y           0
## 822          2         576         TA         TA         Y           0
## 823          2         433         TA         TA         Y         100
## 824          1         240         TA         TA         Y         335
## 825          2         776         TA         TA         Y           0
## 826          3        1220         TA         TA         Y         188
## 827          0           0       <NA>       <NA>         Y           0
## 828          2         527         TA         TA         Y         290
## 829          2         538         TA         TA         Y         486
## 830          2         480         TA         TA         Y           0
## 831          2         458         TA         TA         Y           0
## 832          2         480         TA         TA         Y           0
## 833          2         613         TA         TA         Y         192
## 834          2         472         TA         TA         Y           0
## 835          2         456         TA         TA         Y           0
## 836          2         436         TA         TA         Y         290
## 837          2         812         TA         TA         Y           0
## 838          1         264         TA         TA         Y           0
## 839          1         352         TA         TA         Y         278
## 840          1         240         TA         TA         Y           0
## 841          1         400         TA         TA         P           0
## 842          2         686         Gd         TA         P          70
## 843          2         490         Gd         Gd         Y           0
## 844          0           0       <NA>       <NA>         Y           0
## 845          3         720         TA         TA         Y         418
## 846          2         611         TA         TA         Y           0
## 847          2         425         TA         TA         Y         234
## 848          1         338         TA         TA         Y           0
## 849          2         360         Fa         TA         Y         486
## 850          2         512         TA         TA         Y         113
## 851          2         420         TA         TA         Y         140
## 852          2         400         TA         TA         Y         143
## 853          1         240         TA         TA         Y           0
## 854          2         645         TA         TA         Y         180
## 855          2         454         TA         TA         Y           0
## 856          1         260         TA         TA         Y           0
## 857          2         576         TA         Fa         Y           0
## 858          2         343         TA         TA         Y           0
## 859          2         479         TA         TA         Y           0
## 860          2         619         TA         TA         Y           0
## 861          1         216         TA         TA         Y           0
## 862          2         504         TA         TA         Y           0
## 863          2         480         TA         TA         Y           0
## 864          1         672         TA         TA         Y           0
```

```
## 865      2      529      TA      TA      Y       0
## 866      2      902      TA      TA      Y       0
## 867      3      870      TA      TA      Y     192
## 868      2      544      TA      TA      Y     168
## 869      2      672      TA      TA      P     120
## 870      2      574      TA      TA      Y     156
## 871      1      308      TA      TA      Y       0
## 872      2      523      TA      TA      Y       0
## 873      2      414      TA      TA      Y     196
## 874      1      288      TA      TA      Y       0
## 875      1      200      TA      TA      Y      26
## 876      2      550      TA      TA      Y     208
## 877      2      648      TA      TA      Y       0
## 878      3      738      TA      TA      Y     184
## 879      2      576      TA      TA      Y     192
## 880      1      336      TA      TA      Y       0
## 881      2      450      TA      TA      Y       0
## 882      2      400      TA      TA      Y     168
## 883      2      389      TA      TA      Y     342
## 884      1      440      TA      Gd      Y       0
## 885      1      288      TA      TA      Y       0
## 886      2      506      TA      TA      Y      97
## 887      2      588      TA      TA      Y     272
## 888      1      300      TA      TA      Y     121
## 889      2      621      TA      TA      Y      81
## 890      2      505      TA      TA      Y       0
## 891      2      576      TA      TA      Y       0
## 892      2      440      TA      TA      Y     243
## 893      1      264      TA      TA      Y     192
## 894      1      354      TA      TA      Y     511
## 895      2      400      TA      TA      Y       0
## 896      2      483      TA      TA      Y       0
## 897      1      327      TA      TA      Y       0
## 898      2      528      TA      TA      Y     154
## 899      3      820      TA      TA      Y       0
## 900      1      288      TA      TA      Y       0
## 901      1      684      TA      TA      Y       0
## 902      1      756      TA      TA      Y       0
## 903      2      393      TA      TA      Y       0
## 904      3      690      TA      TA      Y     144
## 905      1      288      TA      TA      Y       0
## 906      1      280      TA      TA      Y       0
## 907      3      865      TA      TA      Y       0
## 908      1      180      Fa      TA      Y       0
## 909      2      484      TA      TA      Y     164
## 910      2      390      TA      TA      Y      36
## 911      2      480      TA      TA      Y       0
## 912      1      252      TA      TA      Y     173
## 913      1      450      TA      TA      Y       0
## 914      3      871      TA      TA      Y       0
## 915      2      528      TA      TA      Y       0
## 916      1      286      TA      TA      Y       0
## 917      1      308      TA      TA      Y       0
## 918      1      284      TA      TA      Y       0
```

```
## 919          3         833          TA          TA          Y          72
## 920          2         601          TA          TA          Y           0
## 921          2         471          TA          TA          Y         300
## 922          0           0        <NA>        <NA>          N           0
## 923          2         397          TA          TA          Y         100
## 924          2         533          TA          TA          Y           0
## 925          2         612          TA          TA          Y         384
## 926          2         540          TA          TA          Y         180
## 927          3         656          TA          TA          Y         104
## 928          2         486          TA          TA          Y           0
## 929          2         522          TA          TA          Y         202
## 930          2         642          TA          TA          Y           0
## 931          3         610          TA          TA          Y         100
## 932          1         429          TA          TA          Y           0
## 933          3         788          TA          TA          Y           0
## 934          2         570          TA          TA          Y         192
## 935          2         505          TA          TA          Y           0
## 936          2         528          TA          TA          Y           0
## 937          2         555          TA          TA          Y           0
## 938          2         689          TA          TA          Y           0
## 939          3         868          TA          TA          Y           0
## 940          1         349          TA          TA          Y          56
## 941          2         574          TA          TA          Y          40
## 942          2         390          TA          TA          Y           0
## 943          0           0        <NA>        <NA>          N         321
## 944          2         576          TA          TA          P           0
## 945          2         525          TA          TA          Y           0
## 946          2         456          TA          TA          Y          48
## 947          1         796          TA          TA          Y          86
## 948          3         808          TA          TA          Y           0
## 949          2         474          TA          TA          Y         144
## 950          2         676          TA          TA          Y           0
## 951          2         720          TA          TA          Y         194
## 952          1         300          TA          TA          Y         421
## 953          1         396          TA          TA          Y         192
## 954          2         530          TA          TA          Y         305
## 955          0           0        <NA>        <NA>          Y           0
## 956          2         492          TA          TA          Y           0
## 957          2         462          TA          TA          Y         150
## 958          2         576          TA          TA          Y           0
## 959          2         531          TA          TA          Y           0
## 960          2         484          TA          TA          Y           0
## 961          0           0        <NA>        <NA>          Y         117
## 962          2         619          TA          TA          Y         550
## 963          2         440          TA          TA          Y          48
## 964          2         702          TA          TA          Y         288
## 965          2         510          TA          TA          Y           0
## 966          2         393          TA          TA          Y           0
## 967          1         256          TA          TA          Y           0
## 968          1         260          TA          TA          Y           0
## 969          0           0        <NA>        <NA>          Y           0
## 970          1         264          TA          TA          Y           0
## 971          0           0        <NA>        <NA>          Y           0
## 972          2         474          TA          TA          Y           0
```

```
## 973     1   264   TA   TA   Y   28
## 974     2   480   TA   TA   Y    0
## 975     2   532   TA   TA   Y  509
## 976     2   490   TA   TA   Y  153
## 977     0     0 <NA> <NA>   Y    0
## 978     2   569   TA   TA   Y    0
## 979     2   400   TA   TA   Y    0
## 980     2   480   TA   TA   Y    0
## 981     2   588   TA   TA   Y  144
## 982     3   676   TA   TA   Y  250
## 983     2   388   TA   TA   Y  100
## 984     2   779   TA   TA   Y    0
## 985     2   539   TA   TA   Y    0
## 986     1   240   TA   TA   Y    0
## 987     1   255   Fa   TA   Y  394
## 988     3   606   TA   TA   Y  168
## 989     2   551   TA   TA   Y    0
## 990     2   614   TA   TA   Y    0
## 991     3   870   TA   TA   Y    0
## 992     2   424   TA   TA   P    0
## 993     2   440   TA   TA   Y  239
## 994     2   564   TA   TA   Y    0
## 995     3   786   TA   TA   Y  216
## 996     1   305   TA   TA   Y    0
## 997     1   368   TA   TA   Y    0
## 998     2   615   TA   TA   Y  371
## 999     1   210   TA   Fa   P    0
## 1000    2   632   TA   TA   Y  105
## 1001    2   528   TA   Fa   Y    0
## 1002    1   216   Fa   TA   N    0
## 1003    3   824   TA   TA   Y  144
## 1004    2   528   TA   TA   Y    0
## 1005    2   457   TA   TA   Y  156
## 1006    1   328   TA   TA   Y  210
## 1007    2   484   TA   TA   Y    0
## 1008    1   286   TA   TA   Y  238
## 1009    2   550   TA   TA   Y  100
## 1010    0     0 <NA> <NA>   P    0
## 1011    1   312   TA   TA   Y    0
## 1012    0     0 <NA> <NA>   Y    0
## 1013    1   180   TA   TA   Y   96
## 1014    1   280   TA   TA   Y    0
## 1015    1   240   TA   TA   Y    0
## 1016    2   528   TA   TA   Y    0
## 1017    2   478   TA   TA   Y  115
## 1018    2   565   TA   TA   Y   63
## 1019    2   402   TA   TA   Y  164
## 1020    2   440   TA   TA   Y  142
## 1021    2   451   TA   TA   Y  252
## 1022    2   632   TA   TA   Y  105
## 1023    1   160   Fa   Fa   Y    0
## 1024    2   437   TA   TA   Y  156
## 1025    2   665   TA   TA   Y    0
## 1026    2   461   TA   TA   Y   96
```

```
## 1027          2         461          TA          TA          Y          0
## 1028          3         800          TA          TA          Y        192
## 1029          1         240          TA          TA          Y          0
## 1030          1         264          TA          TA          Y          0
## 1031          0           0        <NA>        <NA>          N          0
## 1032          2         672          TA          TA          Y        136
## 1033          3         796          TA          TA          Y        209
## 1034          3         900          TA          TA          Y          0
## 1035          1         240          Fa          TA          Y          0
## 1036          1         290          TA          TA          N        186
## 1037          3         912          TA          TA          Y        228
## 1038          2         905          TA          TA          Y          0
## 1039          0           0        <NA>        <NA>          Y          0
## 1040          1         286          TA          TA          Y          0
## 1041          2         484          TA          TA          Y          0
## 1042          2         484          TA          TA          Y          0
## 1043          2         624          TA          TA          Y        170
## 1044          2         514          TA          TA          Y        192
## 1045          2         542          TA          TA          Y        474
## 1046          2         452          TA          TA          Y          0
## 1047          3         716          TA          TA          Y        214
## 1048          2         672          TA          TA          Y          0
## 1049          2         336          TA          TA          Y          0
## 1050          1         308          TA          TA          Y          0
## 1051          2         436          TA          TA          Y          0
## 1052          2         440          TA          TA          Y          0
## 1053          2         540          TA          TA          Y          0
## 1054          1         364          TA          TA          Y        116
## 1055          2         586          TA          TA          Y        199
## 1056          2         478          TA          TA          Y          0
## 1057          2         484          TA          TA          Y        192
## 1058          2         467          TA          TA          Y        168
## 1059          3         836          TA          TA          Y          0
## 1060          2         432          TA          Fa          Y          0
## 1061          2         582          TA          TA          Y          0
## 1062          3        1248          TA          TA          Y          0
## 1063          2         560          TA          TA          Y          0
## 1064          2         440          TA          TA          Y        166
## 1065          2         480          TA          TA          Y          0
## 1066          2         533          TA          TA          Y        296
## 1067          2         380          TA          TA          Y          0
## 1068          2         442          TA          TA          Y        328
## 1069          2         576          TA          TA          Y        728
## 1070          2         576          TA          TA          Y          0
## 1071          1         286          TA          TA          Y          0
## 1072          2         441          TA          TA          Y          0
## 1073          1         280          TA          TA          P          0
## 1074          2         440          TA          TA          Y        252
## 1075          3         826          TA          TA          Y        140
## 1076          1         240          TA          TA          Y          0
## 1077          2         566          TA          TA          Y        436
## 1078          1         299          TA          TA          Y        240
## 1079          2         420          TA          TA          Y        140
## 1080          1         299          TA          TA          Y          0
```

```
## 1081          2         528         TA         TA          Y          55
## 1082          1         308         TA         TA          Y           0
## 1083          2         527         TA         TA          Y         192
## 1084          1         461         TA         TA          Y           0
## 1085          2         409         TA         TA          Y         315
## 1086          2         564         TA         TA          Y         120
## 1087          1         286         TA         TA          Y         120
## 1088          3        1043         TA         TA          Y         160
## 1089          2         380         TA         TA          Y           0
## 1090          2         550         TA         TA          Y           0
## 1091          2         400         TA         TA          Y           0
## 1092          2         462         TA         TA          Y           0
## 1093          2         576         TA         TA          Y         342
## 1094          2         884         TA         TA          Y           0
## 1095          1         308         TA         TA          Y           0
## 1096          2         440         TA         TA          Y           0
## 1097          0           0       <NA>       <NA>          Y         136
## 1098          2         461         TA         TA          Y           0
## 1099          1         240         TA         TA          Y           0
## 1100          2         478         TA         TA          Y           0
## 1101          1         246         TA         TA          N           0
## 1102          1         280         TA         TA          Y           0
## 1103          1         254         TA         TA          Y           0
## 1104          2         539         TA         TA          Y           0
## 1105          2         440         TA         TA          Y           0
## 1106          2         712         TA         TA          Y         186
## 1107          2         719         TA         TA          Y           0
## 1108          2         422         TA         TA          Y           0
## 1109          2         463         TA         TA          Y         100
## 1110          3         862         TA         TA          Y         125
## 1111          2         431         TA         TA          Y         224
## 1112          2         483         TA         TA          Y           0
## 1113          1         308         TA         TA          Y           0
## 1114          1         240         TA         TA          Y           0
## 1115          1         326         TA         TA          Y           0
## 1116          3         928         TA         TA          Y           0
## 1117          2         527         TA         TA          Y         120
## 1118          2         450         TA         TA          Y           0
## 1119          1         300         TA         TA          Y         280
## 1120          1         286         TA         TA          Y         140
## 1121          1         308         TA         TA          Y           0
## 1122          3         782         TA         TA          Y         144
## 1123          1         288         TA         TA          Y          64
## 1124          0           0       <NA>       <NA>          Y           0
## 1125          2         392         TA         TA          Y         100
## 1126          2         672         Fa         Fa          Y           0
## 1127          3         660         TA         TA          Y         143
## 1128          3         630         TA         TA          Y         144
## 1129          2         434         TA         TA          Y         100
## 1130          2         672         TA         TA          Y          49
## 1131          2         576         TA         TA          Y         431
## 1132          0           0       <NA>       <NA>          Y           0
## 1133          1         205         Fa         TA          N           0
## 1134          2         466         TA         TA          Y           0
```

```
## 1135          2        460         TA         TA          Y        100
## 1136          1        180         TA         TA          Y          0
## 1137          1        288         TA         TA          Y          0
## 1138          0          0       <NA>       <NA>          N          0
## 1139          2        714         TA         TA          Y        264
## 1140          2        495         TA         TA          Y          0
## 1141          2        840         TA         TA          Y          0
## 1142          2        484         TA         TA          Y        448
## 1143          3       1052         TA         TA          Y        125
## 1144          0          0       <NA>       <NA>          Y          0
## 1145          1        280         TA         TA          Y          0
## 1146          1        225         TA         TA          Y          0
## 1147          2        403         TA         TA          Y        165
## 1148          1        234         TA         TA          Y          0
## 1149          1        288         TA         TA          Y          0
##      OpenPorchSF EnclosedPorch X3SsnPorch ScreenPorch PoolArea PoolQC
## 1             61             0          0           0        0   <NA>
## 2              0             0          0           0        0   <NA>
## 3             42             0          0           0        0   <NA>
## 4             35           272          0           0        0   <NA>
## 5             84             0          0           0        0   <NA>
## 6             30             0        320           0        0   <NA>
## 7             57             0          0           0        0   <NA>
## 8            204           228          0           0        0   <NA>
## 9              0           205          0           0        0   <NA>
## 10             4             0          0           0        0   <NA>
## 11             0             0          0           0        0   <NA>
## 12            21             0          0           0        0   <NA>
## 13             0             0          0         176        0   <NA>
## 14            33             0          0           0        0   <NA>
## 15           213           176          0           0        0   <NA>
## 16           112             0          0           0        0   <NA>
## 17             0             0          0           0        0   <NA>
## 18             0             0          0           0        0   <NA>
## 19           102             0          0           0        0   <NA>
## 20             0             0          0           0        0   <NA>
## 21           154             0          0           0        0   <NA>
## 22             0           205          0           0        0   <NA>
## 23           159             0          0           0        0   <NA>
## 24           110             0          0           0        0   <NA>
## 25            90             0          0           0        0   <NA>
## 26            56             0          0           0        0   <NA>
## 27            32             0          0           0        0   <NA>
## 28            50             0          0           0        0   <NA>
## 29           258             0          0           0        0   <NA>
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## 31            54           172          0           0        0   <NA>
## 32            65             0          0           0        0   <NA>
## 33            30             0          0           0        0   <NA>
## 34            38             0          0           0        0   <NA>
## 35            47             0          0           0        0   <NA>
## 36            32             0          0           0        0   <NA>
## 37            64             0          0           0        0   <NA>
## 38             0             0          0           0        0   <NA>
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```
## 39  52   0   0   0   0 <NA>
## 40   0   0   0   0   0 <NA>
## 41 138   0   0   0   0 <NA>
## 42 104   0   0   0   0 <NA>
## 43   0   0   0   0   0 <NA>
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## 45   0   0   0   0   0 <NA>
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## 47  43   0   0 198   0 <NA>
## 48 146   0   0   0   0 <NA>
## 49   0 102   0   0   0 <NA>
## 50   0   0   0   0   0 <NA>
## 51  75   0   0   0   0 <NA>
## 52   0   0   0   0   0 <NA>
## 53   0   0   0   0   0 <NA>
## 54  72   0   0   0   0 <NA>
## 55  50   0   0   0   0 <NA>
## 56   0   0 407   0   0 <NA>
## 57   0   0   0   0   0 <NA>
## 58  70   0   0   0   0 <NA>
## 59   0  37   0   0   0 <NA>
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## 61  50   0   0   0   0 <NA>
## 62   0 144   0   0   0 <NA>
## 63  49   0   0   0   0 <NA>
## 64  11  64   0   0   0 <NA>
## 65  36   0   0   0   0 <NA>
## 66 151   0   0   0   0 <NA>
## 67   0   0   0   0   0 <NA>
## 68  29   0   0   0   0 <NA>
## 69   0   0   0   0   0 <NA>
## 70  21 114   0   0   0 <NA>
## 71   0   0   0   0   0 <NA>
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## 73  94   0   0 291   0 <NA>
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## 77   0   0   0   0   0 <NA>
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## 80   0 128   0   0   0 <NA>
## 81  72   0   0 252   0 <NA>
## 82 199   0   0   0   0 <NA>
## 83  99   0   0   0   0 <NA>
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## 85  72   0   0   0   0 <NA>
## 86  82   0   0   0   0 <NA>
## 87  38   0   0   0   0 <NA>
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## 89   0 156   0   0   0 <NA>
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## 91  29   0   0   0   0 <NA>
## 92   0   0   0   0   0 <NA>
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## 93    0  44   0   0   0 <NA>
## 94    0   0   0  99   0 <NA>
## 95  162   0   0   0   0 <NA>
## 96   63   0   0   0   0 <NA>
## 97   29   0   0   0   0 <NA>
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## 99    0  77   0   0   0 <NA>
## 100   0   0   0   0   0 <NA>
## 101  68   0   0   0   0 <NA>
## 102  46   0   0   0   0 <NA>
## 103   0   0   0   0   0 <NA>
## 104  36   0   0   0   0 <NA>
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## 114 120 192   0   0   0 <NA>
## 115   0   0   0   0   0 <NA>
## 116  32   0   0   0   0 <NA>
## 117  20 144   0   0   0 <NA>
## 118  64   0   0   0   0 <NA>
## 119   0   0   0   0   0 <NA>
## 120  24   0   0   0   0 <NA>
## 121 130   0 130   0   0 <NA>
## 122   0 140   0   0   0 <NA>
## 123   0   0   0 130   0 <NA>
## 124  63   0   0   0   0 <NA>
## 125   0   0   0   0   0 <NA>
## 126   0   0   0   0   0 <NA>
## 127 205   0   0   0   0 <NA>
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## 129 108   0   0   0   0 <NA>
## 130  80   0 180   0   0 <NA>
## 131  66   0   0   0   0 <NA>
## 132  48   0   0   0   0 <NA>
## 133   0   0   0   0   0 <NA>
## 134  25   0   0   0   0 <NA>
## 135  96 180   0   0   0 <NA>
## 136   0   0   0   0   0 <NA>
## 137 111   0   0   0   0 <NA>
## 138   0   0   0   0   0 <NA>
## 139 106   0   0   0   0 <NA>
## 140  99   0   0   0   0 <NA>
## 141   0   0   0   0   0 <NA>
## 142  24   0   0   0   0 <NA>
## 143   0   0   0   0   0 <NA>
## 144  29   0   0   0   0 <NA>
## 145   0   0   0   0   0 <NA>
## 146  40   0   0   0   0 <NA>
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## 148  48   0   0   0   0 <NA>
## 149   0   0   0   0   0 <NA>
## 150 114   0   0   0   0 <NA>
## 151   0   0   0   0   0 <NA>
## 152 102   0   0   0   0 <NA>
## 153  66   0   0   0   0 <NA>
## 154   0   0   0   0   0 <NA>
## 155   0 228   0   0   0 <NA>
## 156   8 128   0   0   0 <NA>
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## 158  75   0   0   0   0 <NA>
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## 171   0   0   0   0   0 <NA>
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## 174  20   0   0   0   0 <NA>
## 175   0   0   0   0   0 <NA>
## 176  29  39   0   0   0 <NA>
## 177 228   0   0 192   0 <NA>
## 178   0   0   0   0   0 <NA>
## 179  60   0   0   0   0 <NA>
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## 181   0   0   0   0   0 <NA>
## 182   0  40   0   0   0 <NA>
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## 184 238   0   0   0   0 <NA>
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## 186 260   0   0 410   0 <NA>
## 187  27   0   0   0   0 <NA>
## 188   0   0 140   0   0 <NA>
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## 190 120   0   0 224   0 <NA>
## 191  74   0   0   0   0 <NA>
## 192  32   0   0   0   0 <NA>
## 193  35   0   0   0   0 <NA>
## 194  40   0   0   0   0 <NA>
## 195   0   0   0   0   0 <NA>
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## 198  16 552   0   0 512   Ex
## 199 198  30   0   0   0 <NA>
## 200  26   0   0 170   0 <NA>
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## 201  64   0   0   0   0 <NA>
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## 203   0 126   0   0   0 <NA>
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## 227 114   0   0   0   0 <NA>
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## 709   24   0   0   0   0 <NA>
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## 725   64   0   0   0   0 <NA>
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## 739    0   0   0   0   0 <NA>
## 740   56   0   0   0   0 <NA>
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## 776 247   0   0   0   0 <NA>
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## 1126           0             0          0           0        0   <NA>
## 1127          20             0          0           0        0   <NA>
## 1128          36             0          0           0        0   <NA>
## 1129          48             0          0           0        0   <NA>
## 1130           0             0          0           0        0   <NA>
## 1131          44             0          0           0        0   <NA>
## 1132          28             0          0           0        0   <NA>
## 1133          48             0          0           0        0   <NA>
## 1134         155             0          0           0        0   <NA>
## 1135          38             0          0           0        0   <NA>
## 1136         128             0          0           0        0   <NA>
## 1137           0            96          0           0        0   <NA>
## 1138           0           176          0           0        0   <NA>
## 1139          32             0          0           0        0   <NA>
## 1140           0           216          0         126        0   <NA>
## 1141           0             0          0           0        0   <NA>
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## 1144          24             0          0           0        0   <NA>
## 1145           0             0          0           0        0   <NA>
## 1146           0             0          0           0        0   <NA>
## 1147          26             0          0           0        0   <NA>
## 1148           0             0          0           0        0   <NA>
## 1149           0           176          0           0        0   <NA>
##      Fence MiscFeature MiscVal MoSold YrSold SaleType SaleCondition
## 1     <NA>        <NA>       0      2   2008       WD        Normal
## 2     <NA>        <NA>       0      5   2007       WD        Normal
## 3     <NA>        <NA>       0      9   2008       WD        Normal
## 4     <NA>        <NA>       0      2   2006       WD       Abnorml
## 5     <NA>        <NA>       0     12   2008       WD        Normal
## 6    MnPrv        Shed     700     10   2009       WD        Normal
## 7     <NA>        <NA>       0      8   2007       WD        Normal
## 8     <NA>        Shed     350     11   2009       WD        Normal
## 9     <NA>        <NA>       0      4   2008       WD       Abnorml
## 10    <NA>        <NA>       0      1   2008       WD        Normal
## 11    <NA>        <NA>       0      2   2008       WD        Normal
## 12    <NA>        <NA>       0      7   2006      New       Partial
## 13    <NA>        <NA>       0      9   2008       WD        Normal
## 14    <NA>        <NA>       0      8   2007      New       Partial
## 15    GdWo        <NA>       0      5   2008       WD        Normal
## 16   GdPrv        <NA>       0      7   2007       WD        Normal
## 17    <NA>        Shed     700      3   2010       WD        Normal
## 18    <NA>        Shed     500     10   2006       WD        Normal
## 19    <NA>        <NA>       0      6   2008       WD        Normal
## 20   MnPrv        <NA>       0      5   2009      COD       Abnorml
## 21    <NA>        <NA>       0     11   2006      New       Partial
## 22   GdPrv        <NA>       0      6   2007       WD        Normal
```

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## 23    <NA>        <NA>       0      9   2008       WD         Normal
## 24    <NA>        <NA>       0      6   2007       WD         Normal
## 25   MnPrv        <NA>       0      5   2010       WD         Normal
## 26    <NA>        <NA>       0      7   2009       WD         Normal
## 27    <NA>        <NA>       0      5   2010       WD         Normal
## 28    <NA>        <NA>       0      5   2010       WD         Normal
## 29    <NA>        <NA>       0     12   2006       WD         Normal
## 30    <NA>        <NA>       0      5   2008       WD         Normal
## 31   MnPrv        <NA>       0      7   2008       WD         Normal
## 32   MnPrv        <NA>       0      6   2008       WD         Normal
## 33    <NA>        <NA>       0      1   2008       WD         Normal
## 34    <NA>        <NA>       0      4   2010       WD         Normal
## 35    <NA>        <NA>       0      8   2007       WD         Normal
## 36    <NA>        <NA>       0      9   2006       WD         Normal
## 37    <NA>        <NA>       0      6   2009       WD         Normal
## 38    <NA>        <NA>       0     10   2009       WD         Normal
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## 40    <NA>        <NA>       0      6   2008       WD        AdjLand
## 41    GdWo        <NA>       0     12   2006       WD        Abnorml
## 42    <NA>        <NA>       0      7   2007       WD         Normal
## 43   MnPrv        <NA>       0     12   2007       WD         Normal
## 44   MnPrv        <NA>       0      7   2008       WD         Normal
## 45    <NA>        <NA>       0      5   2006       WD         Normal
## 46    <NA>        <NA>       0      2   2010       WD         Normal
## 47    <NA>        <NA>       0      8   2009       WD        Abnorml
## 48    <NA>        <NA>       0      7   2007       WD         Normal
## 49    <NA>        <NA>       0      6   2009      New        Partial
## 50   MnPrv        <NA>       0      1   2007       WD         Normal
## 51    <NA>        <NA>       0      7   2007       WD         Normal
## 52   MnPrv        Shed     400      9   2006       WD         Normal
## 53    <NA>        <NA>       0      5   2010       WD         Normal
## 54    <NA>        <NA>       0     11   2006       WD         Normal
## 55   MnPrv        <NA>       0      2   2007       WD         Normal
## 56    <NA>        <NA>       0      7   2008       WD         Normal
## 57    <NA>        <NA>       0      8   2009       WD        Abnorml
## 58    <NA>        <NA>       0      8   2006       WD         Normal
## 59    <NA>        <NA>       0     10   2006      New        Partial
## 60   MnPrv        <NA>       0      1   2008       WD         Normal
## 61    <NA>        <NA>       0      5   2006      New        Partial
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## 63    <NA>        <NA>       0     10   2007       WD         Normal
## 64   GdPrv        <NA>       0      4   2010       WD         Normal
## 65   GdPrv        <NA>       0      2   2009       WD         Normal
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## 67    <NA>        <NA>       0      7   2010       WD         Normal
## 68    <NA>        <NA>       0      6   2007       WD         Normal
## 69    <NA>        <NA>       0      6   2010       WD         Normal
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## 73    <NA>        <NA>       0     12   2009       WD         Normal
## 74    GdWo        <NA>       0      5   2010       WD         Normal
## 75    <NA>        <NA>       0      5   2010       WD         Normal
## 76    GdWo        <NA>       0     11   2009       WD         Normal
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## 77    <NA>        <NA>       0      4   2008       WD        Normal
## 78   MnPrv        <NA>       0      1   2008       WD        Normal
## 79    <NA>        <NA>       0      4   2010       WD        Normal
## 80   MnPrv        <NA>       0      5   2009       WD        Normal
## 81    <NA>        <NA>       0      6   2009       WD        Normal
## 82    <NA>        <NA>       0      3   2006       WD        Normal
## 83    <NA>        <NA>       0     10   2008       WD        Normal
## 84    <NA>        <NA>       0      7   2007      COD        Normal
## 85    <NA>        Shed     700      5   2009       WD        Normal
## 86    <NA>        <NA>       0      4   2006       WD        Normal
## 87    <NA>        <NA>       0      3   2009       WD        Normal
## 88    <NA>        <NA>       0      6   2009      New       Partial
## 89   MnPrv        <NA>       0     10   2009    ConLD       Abnorml
## 90    <NA>        <NA>       0      8   2007       WD        Normal
## 91    <NA>        <NA>       0      7   2006       WD        Normal
## 92    GdWo        <NA>       0     12   2006       WD       Abnorml
## 93    <NA>        <NA>       0      8   2009       WD        Normal
## 94    <NA>        <NA>       0     11   2007       WD        Normal
## 95    <NA>        <NA>       0      5   2007       WD        Normal
## 96    <NA>        Shed     480      4   2009       WD        Normal
## 97    <NA>        <NA>       0      8   2006       WD        Normal
## 98    <NA>        <NA>       0      5   2007       WD        Normal
## 99    <NA>        Shed     400      5   2010      COD       Abnorml
## 100   <NA>        Shed     400      1   2010       WD        Normal
## 101   <NA>        <NA>       0      2   2010       WD        Normal
## 102   <NA>        <NA>       0      6   2010       WD        Normal
## 103   <NA>        <NA>       0      6   2009       WD        Alloca
## 104   <NA>        <NA>       0      5   2010       WD        Normal
## 105   <NA>        <NA>       0      6   2007       WD        Normal
## 106   <NA>        <NA>       0      8   2008       WD        Normal
## 107   <NA>        Shed     450      8   2007       WD        Normal
## 108   <NA>        <NA>       0      4   2008       WD       Partial
## 109   <NA>        <NA>       0      8   2007       WD        Normal
## 110  MnPrv        <NA>       0      1   2010      COD        Normal
## 111   <NA>        <NA>       0     10   2006       WD        Normal
## 112   <NA>        <NA>       0      4   2010       WD        Normal
## 113   <NA>        <NA>       0     10   2007      New       Partial
## 114  MnPrv        <NA>       0     10   2007      COD       Abnorml
## 115  MnPrv        <NA>       0      7   2007       WD        Normal
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## 117   <NA>        <NA>       0      9   2009       WD        Normal
## 118   <NA>        <NA>       0      4   2007      New       Partial
## 119   <NA>        <NA>       0      5   2010       WD        Normal
## 120   <NA>        <NA>       0      7   2006      New       Partial
## 121   <NA>        <NA>       0     10   2006       WD        Normal
## 122  MnPrv        <NA>       0      6   2007       WD        Normal
## 123   <NA>        <NA>       0      6   2008       WD        Normal
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## 125   <NA>        <NA>       0      1   2009       WD        Normal
## 126   <NA>        <NA>       0      6   2006       WD        Normal
## 127   <NA>        <NA>       0      2   2007       WD        Normal
## 128   <NA>        <NA>       0      6   2007       WD        Normal
## 129   <NA>        <NA>       0      7   2006       WD        Normal
## 130   MnWw        <NA>       0      7   2006       WD       Abnorml
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## 132   <NA>        <NA>       0      7   2009       WD        Normal
## 133   <NA>        <NA>       0      7   2007       WD        Normal
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## 136  MnPrv        <NA>       0      5   2008       WD        Normal
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## 138   <NA>        <NA>       0      7   2006       WD        Family
## 139  GdPrv        <NA>       0     12   2008       WD        Normal
## 140  MnPrv        <NA>       0      8   2009       WD        Normal
## 141   <NA>        <NA>       0      4   2010    ConLI        Normal
## 142   <NA>        <NA>       0      1   2006       WD        Normal
## 143  MnPrv        <NA>       0      6   2010       WD        Normal
## 144   <NA>        <NA>       0      6   2009       WD        Normal
## 145   <NA>        <NA>       0     11   2006    ConLI       Abnorml
## 146   <NA>        <NA>       0      4   2006       WD        Normal
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## 148   <NA>        <NA>       0      5   2010       WD        Normal
## 149   <NA>        <NA>       0      4   2008       WD        Normal
## 150   <NA>        <NA>       0      4   2006       WD        Normal
## 151  MnPrv        <NA>       0      1   2007       WD        Normal
## 152   <NA>        <NA>       0      1   2008      New       Partial
## 153   GdWo        <NA>       0      6   2006       WD        Normal
## 154   <NA>        <NA>       0      3   2008       WD        Normal
## 155   <NA>        <NA>       0      3   2006       WD        Family
## 156   <NA>        <NA>       0      4   2008       WD        Normal
## 157   <NA>        <NA>       0      6   2006       WD        Normal
## 158   <NA>        <NA>       0      5   2010      New       Partial
## 159   GdWo        <NA>       0      5   2010       WD        Normal
## 160   <NA>        <NA>       0      3   2006      New       Partial
## 161   <NA>        <NA>       0      6   2008       WD        Normal
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## 163   <NA>        <NA>       0      5   2010      New       Partial
## 164  MnPrv        <NA>       0      4   2007       WD        Normal
## 165   <NA>        <NA>       0     10   2007       WD        Normal
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## 167   GdWo        <NA>       0     11   2009      COD        Normal
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## 178   <NA>        <NA>       0      7   2006       WD        Normal
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## 181   <NA>        <NA>       0      6   2007       WD        Normal
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## 183  MnPrv        <NA>       0      6   2007       WD        Normal
## 184   <NA>        <NA>       0      6   2008       WD        Normal
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## 185  MnPrv        <NA>       0      6   2006       WD        Normal
## 186  GdPrv        <NA>       0      6   2006       WD        Normal
## 187  GdPrv        <NA>       0      6   2009       WD        Normal
## 188  MnPrv        <NA>       0      8   2009       WD        Normal
## 189   <NA>        <NA>       0      6   2009       WD        Alloca
## 190   <NA>        <NA>       0      8   2008       WD        Normal
## 191   <NA>        <NA>       0     12   2007       WD        Normal
## 192   <NA>        <NA>       0      6   2007       WD        Normal
## 193   <NA>        <NA>       0      9   2009       WD        Normal
## 194   <NA>        <NA>       0      5   2006       WD        Normal
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## 199  MnPrv        <NA>       0      7   2009       WD       Abnorml
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## 203   <NA>        <NA>       0      5   2006      COD        Normal
## 204   <NA>        <NA>       0      1   2008       WD        Normal
## 205   MnWw        <NA>       0      4   2009       WD        Normal
## 206   <NA>        <NA>       0      5   2009       WD        Normal
## 207   <NA>        <NA>       0      3   2007       WD        Normal
## 208   GdWo        <NA>       0      4   2008       WD        Normal
## 209   <NA>        <NA>       0      4   2007       WD        Normal
## 210  MnPrv        <NA>       0      7   2008       WD        Normal
## 211   <NA>        <NA>       0      4   2008       WD        Normal
## 212   <NA>        <NA>       0      3   2010       WD        Normal
## 213   <NA>        <NA>       0      7   2009      New       Partial
## 214   <NA>        <NA>       0      7   2006       WD        Normal
## 215  MnPrv        Shed     450      3   2010       WD        Normal
## 216  MnPrv        <NA>       0      5   2006       WD        Normal
## 217   <NA>        <NA>       0      4   2008       WD        Normal
## 218   <NA>        <NA>       0      9   2006       WD        Family
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## 220   <NA>        <NA>       0      3   2006      New       Partial
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## 222   <NA>        <NA>       0     12   2009    ConLI        Normal
## 223  MnPrv        <NA>       0      2   2006       WD        Normal
## 224   <NA>        <NA>       0      3   2009       WD       Abnorml
## 225   <NA>        <NA>       0      6   2009       WD        Normal
## 226   <NA>        <NA>       0      5   2009      COD       Abnorml
## 227   <NA>        <NA>       0      6   2007       WD       Abnorml
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## 229  MnPrv        <NA>       0      5   2010       WD        Normal
## 230   <NA>        <NA>       0      5   2009       WD        Normal
## 231   <NA>        <NA>       0      4   2010       WD        Normal
## 232   <NA>        <NA>       0      7   2009       WD        Normal
## 233   <NA>        <NA>       0      6   2006       WD        Normal
## 234  MnPrv        <NA>       0      2   2010       WD        Normal
## 235   <NA>        <NA>       0      5   2010       WD        Normal
## 236   <NA>        <NA>       0      8   2008       WD        Normal
## 237   <NA>        <NA>       0      5   2010       WD        Normal
## 238   <NA>        <NA>       0      2   2010       WD        Normal
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## 239   <NA>         <NA>        0      12    2007       New        Partial
## 240  MnPrv         <NA>        0       4    2010        WD         Normal
## 241   <NA>         <NA>        0       4    2010        WD         Normal
## 242   <NA>         <NA>        0       8    2007        WD         Normal
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## 249   <NA>         <NA>        0       9    2007        WD         Normal
## 250   <NA>         Shed      500       6    2007        WD         Normal
## 251   GdWo         Shed      450       5    2010        WD         Normal
## 252   <NA>         <NA>        0      12    2007        WD         Family
## 253   <NA>         <NA>        0      12    2008        WD         Normal
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## 255   <NA>         <NA>        0       6    2010        WD         Normal
## 256   <NA>         <NA>        0       2    2006        WD         Normal
## 257   <NA>         <NA>        0       5    2008        WD         Normal
## 258   <NA>         <NA>        0       3    2009        WD        Abnorml
## 259   <NA>         <NA>        0       5    2008        WD         Normal
## 260   <NA>         <NA>        0      12    2008        WD         Normal
## 261   GdWo         <NA>        0       5    2009        WD         Normal
## 262   <NA>         <NA>        0      11    2007       New        Partial
## 263   GdWo         <NA>        0       7    2006        WD         Normal
## 264   <NA>         <NA>        0       4    2010        WD         Normal
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## 267   <NA>         <NA>        0       6    2006        WD         Normal
## 268   <NA>         <NA>        0       7    2008        WD         Normal
## 269   <NA>         <NA>        0       2    2008        WD         Normal
## 270  GdPrv         <NA>        0       5    2007        WD         Normal
## 271   <NA>         <NA>        0       8    2006       New        Partial
## 272   <NA>         <NA>        0       4    2008        WD         Normal
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## 279   <NA>         <NA>        0       5    2007       New        Partial
## 280   <NA>         <NA>        0       3    2008        WD         Normal
## 281   <NA>         <NA>        0       1    2007        WD         Normal
## 282   <NA>         <NA>        0       5    2006       New        Partial
## 283   <NA>         <NA>        0       4    2009     ConLw         Normal
## 284   <NA>         <NA>        0      12    2009       New        Partial
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## 291   <NA>         <NA>        0       7    2006       New        Partial
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## 293   <NA>        <NA>       0      1   2009       WD        Normal
## 294   <NA>        <NA>       0      3   2006       WD        Normal
## 295   <NA>        <NA>       0     10   2009       WD        Normal
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## 299   <NA>        <NA>       0      6   2007       WD        Normal
## 300  GdPrv        <NA>       0      8   2009       WD        Family
## 301   <NA>        <NA>       0      6   2006       WD        Normal
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## 304   GdWo        <NA>       0      7   2006       WD       Abnorml
## 305   <NA>        <NA>       0      5   2008       WD        Normal
## 306   <NA>        <NA>       0      7   2007       WD        Normal
## 307   <NA>        <NA>       0      6   2007       WD        Normal
## 308  MnPrv        <NA>       0      3   2008       WD        Normal
## 309   <NA>        <NA>       0      3   2009       WD        Normal
## 310   <NA>        <NA>       0     11   2006       WD        Normal
## 311   <NA>        <NA>       0      5   2006       WD        Normal
## 312   <NA>        <NA>       0      5   2009       WD        Normal
## 313  MnPrv        <NA>       0      5   2006       WD        Normal
## 314   <NA>        <NA>       0      6   2009       WD        Normal
## 315   <NA>        <NA>       0      8   2006       WD        Normal
## 316   <NA>        <NA>       0      7   2009       WD        Normal
## 317  GdPrv        <NA>       0      8   2009       WD        Normal
## 318   <NA>        <NA>       0     12   2007       WD        Normal
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## 320   <NA>        <NA>       0      6   2009       WD        Normal
## 321   <NA>        <NA>       0      9   2006      New       Partial
## 322   <NA>        <NA>       0      6   2007       WD        Normal
## 323  MnPrv        <NA>       0      8   2007       WD        Normal
## 324   <NA>        <NA>       0      7   2006       WD        Normal
## 325   <NA>        <NA>       0      6   2010       WD        Normal
## 326   <NA>        <NA>       0     12   2007       WD        Normal
## 327   <NA>        <NA>       0      5   2008      Con        Normal
## 328   <NA>        <NA>       0      4   2006       WD        Normal
## 329   <NA>        <NA>       0      7   2009       WD        Normal
## 330   GdWo        <NA>       0      7   2009       WD        Normal
## 331   <NA>        <NA>       0     11   2007       WD        Normal
## 332   <NA>        <NA>       0      8   2007       WD        Normal
## 333   <NA>        <NA>       0     10   2009       WD        Normal
## 334   <NA>        <NA>       0      7   2008       WD        Normal
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## 706   <NA>        Othr    3500      7   2010       WD        Normal
## 707   <NA>        <NA>       0      6   2007       WD        Normal
## 708   <NA>        <NA>       0     12   2009       WD        Normal
## 709   <NA>        <NA>       0      7   2007      New       Partial
## 710  MnPrv        <NA>       0     12   2008       WD       Abnorml
## 711   <NA>        <NA>       0      7   2008       WD        Normal
## 712   <NA>        <NA>       0      1   2010       WD       Abnorml
## 713   <NA>        <NA>       0     10   2008       WD        Normal
## 714   <NA>        <NA>       0      5   2006       WD        Normal
## 715   <NA>        <NA>       0      3   2010       WD        Normal
## 716  MnPrv        <NA>       0      8   2009       WD        Normal
## 717   <NA>        <NA>       0      7   2007       WD        Normal
## 718  MnPrv        <NA>       0     11   2008       WD        Normal
## 719   <NA>        <NA>       0      8   2008       WD        Normal
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## 721   <NA>        <NA>       0     12   2006       WD        Normal
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## 724   <NA>        <NA>       0      5   2008       WD        Normal
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## 727   <NA>        <NA>       0     12   2009       WD        Normal
## 728   <NA>        <NA>       0      2   2009       WD        Normal
## 729   <NA>        <NA>       0      7   2009      COD       Abnorml
## 730   <NA>        <NA>       0      1   2009       WD        Normal
## 731   <NA>        <NA>       0      3   2010       WD        Normal
## 732   <NA>        <NA>       0      5   2007       WD        Normal
## 733   <NA>        <NA>       0      7   2008       WD        Normal
## 734   GdWo        Shed     400      3   2009       WD        Normal
## 735   <NA>        <NA>       0      5   2007       WD        Family
## 736   <NA>        <NA>       0     10   2006       WD        Normal
## 737   <NA>        <NA>       0      7   2006       WD        Normal
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## 742  GdPrv        <NA>       0      5   2008       WD        Normal
## 743  GdPrv        <NA>       0     12   2007       WD        Normal
## 744   <NA>        <NA>       0     10   2009       WD        Normal
## 745   <NA>        <NA>       0     10   2008       WD        Normal
## 746   <NA>        <NA>       0      7   2008       WD        Normal
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## 750   <NA>        <NA>       0      4   2009       WD        Normal
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## 759   <NA>        <NA>       0      8   2008       WD        Normal
## 760   <NA>        <NA>       0     11   2007       WD        Normal
## 761   <NA>        Shed     450     10   2009       WD        Normal
## 762   <NA>        <NA>       0     10   2009       WD        Normal
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## 765   <NA>        <NA>       0      4   2006       WD        Normal
## 766   <NA>        <NA>       0      8   2008      New       Partial
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## 768   <NA>        Shed    1300      7   2008       WD        Normal
## 769   <NA>        <NA>       0     10   2006       WD        Normal
## 770   <NA>        <NA>       0      6   2010       WD        Normal
## 771   <NA>        <NA>       0      4   2009       WD        Normal
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## 775   <NA>        <NA>       0      7   2007      New       Partial
## 776   <NA>        <NA>       0      6   2009       WD        Normal
## 777   <NA>        <NA>       0      7   2006      New       Partial
## 778  MnPrv        <NA>       0      6   2006       WD        Normal
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## 780   <NA>        <NA>       0       5   2006        WD         Normal
## 781   <NA>        <NA>       0       6   2007        WD         Normal
## 782   <NA>        <NA>       0       7   2006        WD         Normal
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## 788   <NA>        <NA>       0       1   2010        WD         Normal
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## 791   <NA>        <NA>       0       9   2009        WD         Normal
## 792   <NA>        <NA>       0       5   2007        WD         Normal
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## 794   <NA>        <NA>       0       6   2007       New        Partial
## 795   <NA>        Shed     500      10   2008        WD         Normal
## 796  MnPrv        <NA>       0       4   2010        WD         Normal
## 797  MnPrv        <NA>       0       4   2007        WD         Normal
## 798   <NA>        <NA>       0       4   2008        WD        Abnorml
## 799   <NA>        <NA>       0       7   2009       New        Partial
## 800  MnPrv        <NA>       0       6   2007        WD         Normal
## 801   <NA>        Shed     400       5   2008        WD         Normal
## 802   <NA>        <NA>       0       7   2007        WD         Normal
## 803   <NA>        <NA>       0      10   2008        WD         Normal
## 804   <NA>        <NA>       0       1   2009       New        Partial
## 805   GdWo        <NA>       0       6   2006        WD         Family
## 806   <NA>        <NA>       0       7   2008       New        Partial
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## 808   <NA>        <NA>       0       5   2009        WD         Normal
## 809   GdWo        <NA>       0       6   2006        WD         Normal
## 810  MnPrv        <NA>       0      11   2009        WD         Normal
## 811  GdPrv        <NA>       0       1   2006        WD         Normal
## 812   <NA>        <NA>       0       6   2008     ConLD         Normal
## 813   <NA>        Shed      54       6   2010        WD         Alloca
## 814   <NA>        Shed     500       4   2007       COD         Normal
## 815   <NA>        <NA>       0       7   2006        WD         Normal
## 816   <NA>        <NA>       0       5   2010        WD         Normal
## 817   <NA>        <NA>       0       7   2006        WD         Normal
## 818   <NA>        <NA>       0       7   2008        WD         Normal
## 819  MnPrv        <NA>       0       6   2010        WD         Normal
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## 821   <NA>        <NA>       0       6   2008        WD         Normal
## 822   <NA>        <NA>       0       2   2009        WD         Normal
## 823   <NA>        <NA>       0      10   2007        WD         Family
## 824   GdWo        <NA>       0       7   2009        WD         Normal
## 825   <NA>        <NA>       0       6   2006       New        Partial
## 826   <NA>        <NA>       0       6   2008       New        Partial
## 827   <NA>        <NA>       0       5   2008        WD         Normal
## 828   <NA>        <NA>       0       4   2009        WD         Normal
## 829   <NA>        <NA>       0       6   2009        WD        Abnorml
## 830   <NA>        <NA>       0       7   2006        WD         Normal
## 831   <NA>        <NA>       0       6   2008        WD         Normal
## 832   <NA>        <NA>       0       6   2006        WD         Normal
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## 834   <NA>         <NA>        0       2    2009        WD         Normal
## 835   GdWo         <NA>        0       9    2008        WD         Normal
## 836   <NA>         <NA>        0       2    2010        WD         Normal
## 837   GdWo         <NA>        0       6    2007       COD         Normal
## 838   <NA>         <NA>        0      11    2008        WD         Normal
## 839   <NA>         <NA>        0       6    2008        WD         Normal
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## 841   <NA>         <NA>        0       3    2008        WD         Normal
## 842   <NA>         <NA>        0       6    2008        WD         Normal
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## 845   <NA>         <NA>        0       6    2008        WD         Normal
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## 847   <NA>         <NA>        0       7    2009        WD         Normal
## 848   <NA>         <NA>        0       8    2009        WD         Normal
## 849   <NA>         <NA>        0       9    2008        WD         Normal
## 850   <NA>         <NA>        0       8    2007        WD         Normal
## 851   <NA>         <NA>        0      11    2007        WD         Normal
## 852   <NA>         <NA>        0       5    2006        WD         Normal
## 853  MnPrv         <NA>        0       8    2007        WD         Normal
## 854  MnPrv         <NA>        0       8    2009        WD         Normal
## 855   <NA>         <NA>        0       7    2006        WD        Abnorml
## 856   <NA>         <NA>        0       4    2010        WD         Normal
## 857  MnPrv         <NA>        0      10    2008        WD         Normal
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## 863  GdPrv         <NA>        0       5    2010        WD         Normal
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## 865   <NA>         <NA>        0       5    2008       New        Partial
## 866  MnPrv         <NA>        0       8    2009        WD         Normal
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## 869   <NA>         <NA>        0       5    2006        WD         Normal
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## 872   <NA>         <NA>        0       6    2010        WD         Normal
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## 875   <NA>         <NA>        0       8    2009        WD        Abnorml
## 876   <NA>         <NA>        0       8    2007       New        Partial
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## 879  MnPrv         Shed      400       6    2010        WD         Normal
## 880   GdWo         <NA>        0       7    2009        WD         Normal
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## 882   <NA>         <NA>        0       4    2007        WD         Normal
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## 896   <NA>        <NA>       0     10   2008       WD        Normal
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## 904   <NA>        <NA>       0      8   2006      New       Partial
## 905  MnPrv        <NA>       0      8   2007       WD        Normal
## 906  MnPrv        <NA>       0      2   2010       WD        Normal
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## 909  MnPrv        <NA>       0      6   2006       WD        Normal
## 910   <NA>        <NA>       0      6   2009       WD        Normal
## 911   <NA>        <NA>       0      1   2010       WD        Normal
## 912   <NA>        <NA>       0     10   2009       WD        Normal
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## 914   <NA>        <NA>       0      8   2007       WD        Normal
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## 916   <NA>        <NA>       0      1   2007       WD        Normal
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## 921   <NA>        <NA>       0      7   2007       WD        Normal
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## 925   <NA>        <NA>       0      5   2006       WD        Normal
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## 927   <NA>        <NA>       0      5   2007       WD        Normal
## 928  GdPrv        <NA>       0      4   2008       WD        Normal
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## 940   <NA>        <NA>       0      6   2010      COD        Normal
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## 942  GdPrv        <NA>       0      6   2009       WD        Normal
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## 944   <NA>        <NA>       0      6   2007       WD        Normal
## 945   <NA>        <NA>       0      1   2009      COD       Abnorml
## 946   MnWw        <NA>       0      9   2009       WD        Normal
## 947   <NA>        <NA>       0      3   2006       WD        Normal
## 948   <NA>        <NA>       0     11   2007       WD        Normal
## 949   <NA>        <NA>       0      2   2006       WD        Normal
## 950   <NA>        <NA>       0      3   2010       WD        Normal
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## 953  MnPrv        <NA>       0      4   2009       WD        Normal
## 954  MnPrv        Shed     400      9   2008       WD        Normal
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## 956   <NA>        <NA>       0      8   2007       WD        Normal
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## 977   <NA>        <NA>       0      8   2006       WD        Normal
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## 979   <NA>        <NA>       0      5   2007       WD       Abnorml
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## 982   <NA>        <NA>       0      7   2009       WD        Normal
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## 988   <NA>        <NA>       0      4   2010      New       Partial
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## 990   <NA>        <NA>       0      8   2006      New       Partial
## 991   <NA>        <NA>       0      6   2006       WD        Normal
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## 994   <NA>        <NA>       0      8   2006      New       Partial
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## 996  MnPrv        <NA>       0      8   2006       WD       Abnorml
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## 999   <NA>        <NA>       0      5   2006       WD        Normal
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## 1011  <NA>        <NA>       0      8   2008       WD        Normal
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## 1047  <NA>        <NA>       0      7   2006      New       Partial
## 1048  <NA>        <NA>       0      2   2008       WD        Normal
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## 1051  <NA>        <NA>       0      8   2007      New       Partial
## 1052  <NA>        <NA>       0     10   2007      New       Partial
## 1053 GdPrv        <NA>       0      6   2007       WD        Normal
## 1054  <NA>        <NA>       0      5   2010       WD        Normal
## 1055  <NA>        <NA>       0     11   2006       WD        Normal
## 1056 MnPrv        <NA>       0      5   2008      COD       Abnorml
## 1057  <NA>        <NA>       0      6   2006       WD        Normal
## 1058  <NA>        <NA>       0      1   2009       WD        Normal
## 1059  <NA>        <NA>       0      7   2009       WD        Normal
## 1060  <NA>        <NA>       0      3   2007       WD        Normal
## 1061  <NA>        <NA>       0      4   2010       WD        Normal
## 1062  <NA>        Shed     560      8   2008    ConLD        Normal
## 1063  <NA>        <NA>       0      9   2007       WD        Normal
## 1064 MnPrv        <NA>       0      7   2006       WD        Normal
## 1065 MnPrv        <NA>       0     11   2009       WD        Normal
## 1066  <NA>        <NA>       0      4   2010       WD        Normal
## 1067  <NA>        <NA>       0      5   2009       WD        Normal
## 1068  <NA>        <NA>       0      6   2008       WD        Normal
## 1069 GdPrv        <NA>       0      6   2006       WD        Normal
## 1070  <NA>        <NA>       0      5   2007       WD        Normal
## 1071  <NA>        <NA>       0      6   2007       WD        Normal
## 1072  <NA>        <NA>       0      5   2009       WD        Normal
## 1073  <NA>        <NA>       0      8   2006       WD        Normal
## 1074 MnPrv        <NA>       0      7   2009       WD        Normal
## 1075  <NA>        <NA>       0      5   2007       WD        Normal
## 1076  <NA>        <NA>       0      7   2007      CWD        Normal
## 1077  <NA>        Shed     500      4   2006       WD        Normal
## 1078  <NA>        <NA>       0      3   2006       WD       Abnorml
## 1079  <NA>        <NA>       0      5   2006       WD        Normal
## 1080  <NA>        <NA>       0      4   2007       WD        Normal
## 1081  <NA>        <NA>       0     10   2008      COD       Abnorml
## 1082 MnPrv        <NA>       0      6   2010       WD        Normal
## 1083  <NA>        <NA>       0      9   2007       WD        Normal
## 1084 MnPrv        Shed     700      3   2006       WD        Normal
## 1085  <NA>        <NA>       0      7   2006       WD        Normal
## 1086  <NA>        <NA>       0      4   2010       WD        Normal
## 1087  <NA>        <NA>       0      5   2010       WD        Normal
## 1088  <NA>        <NA>       0      5   2009       WD        Normal
## 1089  <NA>        <NA>       0      4   2006       WD        Normal
## 1090  <NA>        <NA>       0      4   2006       WD        Normal
## 1091  <NA>        <NA>       0      6   2009       WD        Normal
## 1092  <NA>        <NA>       0      3   2008       WD        Normal
## 1093  <NA>        <NA>       0      6   2008       WD        Normal
## 1094 MnPrv        <NA>       0     10   2006       WD        Normal
## 1095  <NA>        <NA>       0      5   2010       WD        Normal
## 1096  <NA>        <NA>       0      3   2007       WD        Normal
## 1097  <NA>        <NA>       0      3   2007       WD        Normal
## 1098  <NA>        <NA>       0     10   2007       WD        Normal
## 1099  <NA>        <NA>       0      7   2009       WD        Normal
## 1100  <NA>        <NA>       0      4   2009      COD       Abnorml
## 1101  <NA>        <NA>       0      1   2009       WD        Normal
## 1102  <NA>        <NA>       0      7   2007       WD        Normal
```

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## 1103  MnWw        <NA>       0      4   2007       WD         Family
## 1104  <NA>        <NA>       0      7   2006       WD         Normal
## 1105  <NA>        <NA>       0      4   2007       WD         Normal
## 1106  <NA>        <NA>       0      4   2010       WD         Normal
## 1107  <NA>        <NA>       0      5   2007       WD         Normal
## 1108  <NA>        <NA>       0      9   2006      New        Partial
## 1109  <NA>        <NA>       0     11   2007       WD        Abnorml
## 1110  <NA>        <NA>       0      3   2009       WD         Normal
## 1111  <NA>        <NA>       0      6   2008       WD         Normal
## 1112  <NA>        <NA>       0      9   2008       WD         Normal
## 1113  <NA>        <NA>       0      7   2006       WD         Normal
## 1114  <NA>        <NA>       0      5   2007       WD         Normal
## 1115 MnPrv        <NA>       0      8   2006       WD         Normal
## 1116  <NA>        <NA>       0     11   2007      New        Partial
## 1117  <NA>        <NA>       0      3   2009       WD         Normal
## 1118  <NA>        <NA>       0      5   2008       WD         Normal
## 1119  <NA>        <NA>       0     12   2008       WD         Normal
## 1120  GdWo        <NA>       0      7   2006       WD         Normal
## 1121 MnPrv        <NA>       0      5   2007       WD         Normal
## 1122  <NA>        <NA>       0      7   2006      New        Partial
## 1123 MnPrv        <NA>       0     10   2009      COD        Abnorml
## 1124  <NA>        <NA>       0      6   2009       WD         Normal
## 1125  <NA>        <NA>       0      7   2007       WD         Normal
## 1126  <NA>        <NA>       0     11   2009       WD         Normal
## 1127  <NA>        <NA>       0      6   2009       WD         Normal
## 1128  <NA>        <NA>       0     11   2007       WD         Family
## 1129  <NA>        <NA>       0      7   2007       WD         Normal
## 1130  <NA>        <NA>       0      8   2007       WD         Normal
## 1131 MnPrv        <NA>       0     12   2009       WD         Normal
## 1132 MnPrv        <NA>       0      9   2007      Oth        Abnorml
## 1133  <NA>        <NA>       0      5   2007       WD         Normal
## 1134  <NA>        <NA>       0      6   2009       WD         Normal
## 1135  <NA>        <NA>       0      8   2007       WD         Normal
## 1136  <NA>        <NA>       0      5   2007       WD         Normal
## 1137  <NA>        <NA>       0      4   2008       WD        Abnorml
## 1138  <NA>        <NA>       0      5   2010       WD         Normal
## 1139  <NA>        <NA>       0      5   2009       WD         Normal
## 1140  <NA>        <NA>       0      5   2007       WD         Normal
## 1141  <NA>        <NA>       0      6   2008      COD        Abnorml
## 1142  <NA>        <NA>       0     10   2009       WD         Normal
## 1143  <NA>        <NA>       0      4   2007      New        Partial
## 1144  <NA>        <NA>       0      7   2008       WD         Normal
## 1145 MnPrv        <NA>       0      7   2010       WD         Normal
## 1146  <NA>        <NA>       0      8   2006       WD         Family
## 1147  <NA>        <NA>       0      5   2006       WD         Normal
## 1148  <NA>        <NA>       0      7   2009       WD         Normal
## 1149  <NA>        <NA>       0      8   2008       WD         Normal
##      SalePrice GarageType2Types GarageTypeAttchd GarageTypeBasment
## 1       208500                0                1                 0
## 2       181500                0                1                 0
## 3       223500                0                1                 0
## 4       140000                0                1                 0
## 5       250000                0                1                 0
## 6       143000                0                1                 0
```

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## 7       307000                0                1                0
## 8       200000                0                1                0
## 9       129900                0                1                0
## 10      118000                0                1                0
## 11      129500                0                1                0
## 12      345000                0                1                0
## 13      144000                0                1                0
## 14      279500                0                1                0
## 15      157000                0                1                0
## 16      132000                0                1                0
## 17      149000                0                1                0
## 18       90000                0                1                0
## 19      159000                0                1                0
## 20      139000                0                1                0
## 21      325300                0                1                0
## 22      139400                0                1                0
## 23      230000                0                1                0
## 24      129900                0                1                0
## 25      154000                0                1                0
## 26      256300                0                1                0
## 27      134800                0                1                0
## 28      306000                0                1                0
## 29      207500                0                1                0
## 30       68500                0                1                0
## 31       40000                0                1                0
## 32      149350                0                1                0
## 33      179900                0                1                0
## 34      165500                0                1                0
## 35      277500                0                1                0
## 36      309000                0                1                0
## 37      145000                0                1                0
## 38      153000                0                1                0
## 39      109000                0                1                0
## 40       82000                0                1                0
## 41      160000                0                1                0
## 42      170000                0                1                0
## 43      144000                0                1                0
## 44      130250                0                1                0
## 45      141000                0                1                0
## 46      319900                0                1                0
## 47      239686                0                1                0
## 48      249700                0                1                0
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## 50      127000                0                1                0
## 51      177000                0                1                0
## 52      114500                0                1                0
## 53      110000                0                1                0
## 54      385000                0                1                0
## 55      130000                0                1                0
## 56      180500                0                1                0
## 57      172500                0                1                0
## 58      196500                0                1                0
## 59      438780                0                1                0
## 60      124900                0                1                0
```

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## 65      219500                0                 1                 0
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## 67      180000                0                 1                 0
## 68      226000                0                 1                 0
## 69       80000                0                 1                 0
## 70      225000                0                 1                 0
## 71      244000                0                 1                 0
## 72      129500                0                 1                 0
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## 74      144900                0                 1                 0
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## 85      168500                0                 1                 0
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## 88      164500                0                 1                 0
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## 90      123600                0                 1                 0
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## 92       98600                0                 1                 0
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## 94      133900                0                 1                 0
## 95      204750                0                 1                 0
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## 97      214000                0                 1                 0
## 98       94750                0                 1                 0
## 99       83000                0                 1                 0
## 100     128950                0                 1                 0
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## 106     250000                0                 1                 0
## 107     100000                0                 1                 0
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## 113     383970                0                 1                 0
## 114     217000                0                 1                 0
```

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## 115     259500                0                 1                 0
## 116     176000                0                 1                 0
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## 119     320000                0                 1                 0
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## 123     136000                0                 1                 0
## 124     153900                0                 1                 0
## 125     181000                0                 1                 0
## 126      84500                0                 1                 0
## 127     128000                0                 1                 0
## 128      87000                0                 1                 0
## 129     155000                0                 1                 0
## 130     150000                0                 1                 0
## 131     226000                0                 1                 0
## 132     244000                0                 1                 0
## 133     150750                0                 1                 0
## 134     220000                0                 1                 0
## 135     180000                0                 1                 0
## 136     174000                0                 1                 0
## 137     143000                0                 1                 0
## 138     171000                0                 1                 0
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## 140     231500                0                 1                 0
## 141     115000                0                 1                 0
## 142     260000                0                 1                 0
## 143     166000                0                 1                 0
## 144     204000                0                 1                 0
## 145     125000                0                 1                 0
## 146     130000                0                 1                 0
## 147     105000                0                 1                 0
## 148     222500                0                 1                 0
## 149     141000                0                 1                 0
## 150     115000                0                 1                 0
## 151     122000                0                 1                 0
## 152     372402                0                 1                 0
## 153     190000                0                 1                 0
## 154     235000                0                 1                 0
## 155     125000                0                 1                 0
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## 157     109500                0                 1                 0
## 158     269500                0                 1                 0
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## 160     320000                0                 1                 0
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## 162     412500                0                 1                 0
## 163     220000                0                 1                 0
## 164     103200                0                 1                 0
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## 166     127500                0                 1                 0
## 167     190000                0                 1                 0
## 168     325624                0                 1                 0
```

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## 169     183500                0                 1                 0
## 170     228000                0                 1                 0
## 171     128500                0                 1                 0
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## 174     163000                0                 1                 0
## 175     184000                0                 1                 0
## 176     243000                0                 1                 0
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## 179     501837                0                 1                 0
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## 191     315000                0                 1                 0
## 192     184000                0                 1                 0
## 193     192000                0                 1                 0
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## 195     127000                0                 1                 0
## 196     148500                0                 1                 0
## 197     311872                0                 1                 0
## 198     235000                0                 1                 0
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## 200     274900                0                 1                 0
## 201     140000                0                 1                 0
## 202     171500                0                 1                 0
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## 206     180500                0                 1                 0
## 207     143900                0                 1                 0
## 208     141000                0                 1                 0
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## 221     204900                0                 1                 0
## 222     200000                0                 1                 0
```

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## 223    179900                0                1                0
## 224     97000                0                1                0
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## 229    125000                0                1                0
## 230    192500                0                1                0
## 231    148000                0                1                0
## 232    403000                0                1                0
## 233     94500                0                1                0
## 234    128200                0                1                0
## 235    216500                0                1                0
## 236     89500                0                1                0
## 237    185500                0                1                0
## 238    194500                0                1                0
## 239    318000                0                1                0
## 240    113000                0                1                0
## 241    262500                0                1                0
## 242    110500                0                1                0
## 243     79000                0                1                0
## 244    120000                0                1                0
## 245    205000                0                1                0
## 246    241500                0                1                0
## 247    137000                0                1                0
## 248    140000                0                1                0
## 249    180000                0                1                0
## 250    277000                0                1                0
## 251     76500                0                1                0
## 252    235000                0                1                0
## 253    173000                0                1                0
## 254    158000                0                1                0
## 255    145000                0                1                0
## 256    230000                0                1                0
## 257    207500                0                1                0
## 258    220000                0                1                0
## 259    231500                0                1                0
## 260     97000                0                1                0
## 261    176000                0                1                0
## 262    276000                0                1                0
## 263    151000                0                1                0
## 264    130000                0                1                0
## 265     73000                0                1                0
## 266    175500                0                1                0
## 267    185000                0                1                0
## 268    179500                0                1                0
## 269    120500                0                1                0
## 270    148000                0                1                0
## 271    266000                0                1                0
## 272    241500                0                1                0
## 273    290000                0                1                0
## 274    139000                0                1                0
## 275    124500                0                1                0
## 276    205000                0                1                0
```

```
## 277    201000                0                1                0
## 278    141000                0                1                0
## 279    415298                0                1                0
## 280    192000                0                1                0
## 281    228500                0                1                0
## 282    185000                0                1                0
## 283    207500                0                1                0
## 284    244600                0                1                0
## 285    179200                0                1                0
## 286    164700                0                1                0
## 287    159000                0                1                0
## 288     88000                0                1                0
## 289    122000                0                1                0
## 290    153575                0                1                0
## 291    233230                0                1                0
## 292    135900                0                1                0
## 293    131000                0                1                0
## 294    235000                0                1                0
## 295    167000                0                1                0
## 296    142500                0                1                0
## 297    152000                0                1                0
## 298    239000                0                1                0
## 299    175000                0                1                0
## 300    158500                0                1                0
## 301    157000                0                1                0
## 302    267000                0                1                0
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## 304    149900                0                1                0
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## 325    242000                0                1                0
## 326     87000                0                1                0
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## 328    145250                0                1                0
## 329    214500                0                1                0
## 330     78000                0                1                0
```

```
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## 332     139000                0                 1                 0
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## 336     228950                0                 1                 0
## 337     377426                0                 1                 0
## 338     214000                0                 1                 0
## 339     202500                0                 1                 0
## 340     155000                0                 1                 0
## 341     202900                0                 1                 0
## 342      82000                0                 1                 0
## 343      87500                0                 1                 0
## 344     266000                0                 1                 0
## 345      85000                0                 1                 0
## 346     140200                0                 1                 0
## 347     151500                0                 1                 0
## 348     157500                0                 1                 0
## 349     154000                0                 1                 0
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## 352     190000                0                 1                 0
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## 355     140000                0                 1                 0
## 356     177500                0                 1                 0
## 357     173000                0                 1                 0
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## 360     280000                0                 1                 0
## 361     156000                0                 1                 0
## 362     145000                0                 1                 0
## 363     198500                0                 1                 0
## 364     118000                0                 1                 0
## 365     190000                0                 1                 0
## 366     147000                0                 1                 0
## 367     159000                0                 1                 0
## 368     165000                0                 1                 0
## 369     132000                0                 1                 0
## 370     162000                0                 1                 0
## 371     172400                0                 1                 0
## 372     134432                0                 1                 0
## 373     125000                0                 1                 0
## 374     123000                0                 1                 0
## 375     219500                0                 1                 0
## 376      61000                0                 1                 0
## 377     148000                0                 1                 0
## 378     340000                0                 1                 0
## 379     394432                0                 1                 0
## 380     179000                0                 1                 0
## 381     127000                0                 1                 0
## 382     187750                0                 1                 0
## 383     213500                0                 1                 0
## 384      76000                0                 1                 0
```

```
## 385    240000                0                 1                 0
## 386    192000                0                 1                 0
## 387     81000                0                 1                 0
## 388    125000                0                 1                 0
## 389    191000                0                 1                 0
## 390    426000                0                 1                 0
## 391    119000                0                 1                 0
## 392    215000                0                 1                 0
## 393    106500                0                 1                 0
## 394    100000                0                 1                 0
## 395    109000                0                 1                 0
## 396    129000                0                 1                 0
## 397    123000                0                 1                 0
## 398    169500                0                 1                 0
## 399     67000                0                 1                 0
## 400    241000                0                 1                 0
## 401    245500                0                 1                 0
## 402    164990                0                 1                 0
## 403    108000                0                 1                 0
## 404    258000                0                 1                 0
## 405    168000                0                 1                 0
## 406    150000                0                 1                 0
## 407    115000                0                 1                 0
## 408    177000                0                 1                 0
## 409    280000                0                 1                 0
## 410    339750                0                 1                 0
## 411     60000                0                 1                 0
## 412    145000                0                 1                 0
## 413    222000                0                 1                 0
## 414    115000                0                 1                 0
## 415    228000                0                 1                 0
## 416    181134                0                 1                 0
## 417    149500                0                 1                 0
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## 420    142000                0                 1                 0
## 421    206300                0                 1                 0
## 422    215000                0                 1                 0
## 423    113000                0                 1                 0
## 424    315000                0                 1                 0
## 425    139000                0                 1                 0
## 426    135000                0                 1                 0
## 427    275000                0                 1                 0
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## 429    195400                0                 1                 0
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## 433    122500                0                 1                 0
## 434    181000                0                 1                 0
## 435     81000                0                 1                 0
## 436    212000                0                 1                 0
## 437    116000                0                 1                 0
## 438    119000                0                 1                 0
```

```
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## 653     191000                0                 1                 0
## 654     135000                0                 1                 0
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## 698    123500                0                 1                 0
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## 707    302000                0                 1                 0
## 708    254000                0                 1                 0
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## 738     239900                0                1                0
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## 745     180000                0                1                0
## 746     299800                0                1                0
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## 761     127500                0                1                0
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## 777    221500                0                1                0
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## 779    144000                0                1                0
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## 808    223500                0                1                0
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## 814    157900                0                1                0
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## 816    224900                0                1                0
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```
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## 833     237000                0                1                0
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## 835     139950                0                1                0
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## 843     174900                0                1                0
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## 845     153900                0                1                0
## 846     171000                0                1                0
## 847     213000                0                1                0
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## 855     170000                0                1                0
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## 867     248900                0                1                0
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## 870     236000                0                1                0
```

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## 923     169990                0                 1                 0
## 924     193000                0                 1                 0
```

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## 929    236500                0                 1                 0
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## 931    201000                0                 1                 0
## 932    117500                0                 1                 0
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## 936     79900                0                 1                 0
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## 940    244400                0                 1                 0
## 941    150900                0                 1                 0
## 942    214000                0                 1                 0
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## 945    137500                0                 1                 0
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## 957    124000                0                 1                 0
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## 959    185000                0                 1                 0
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## 975    167500                0                 1                 0
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```

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## 995     337500                0                 1                 0
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## 1007    163500                0                 1                 0
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## 1012    100000                0                 1                 0
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## 1021    176000                0                 1                 0
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## 1032    197000                0                 1                 0
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## 626          0          0          0
## 627          0          0          0
## 628          0          0          0
## 629          0          0          0
## 630          0          0          0
## 631          0          0          0
## 632          0          0          0
## 633          0          0          0
## 634          0          0          0
## 635          0          0          0
## 636          0          0          0
## 637          0          0          0
## 638          0          0          0
```

```
## 639          0          0          0
## 640          0          0          0
## 641          0          0          0
## 642          0          0          0
## 643          0          0          0
## 644          0          0          0
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## 646          0          0          0
## 647          0          0          0
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## 650          0          0          0
## 651          0          0          0
## 652          0          0          0
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## 655          0          0          0
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## 658          0          0          0
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## 687          0          0          0
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## 690          0          0          0
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## 692          0          0          0
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## 693  0  0  0
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## 699  0  0  0
## 700  0  0  0
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## 746  0  0  0
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## 747  0  0  0
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## 749  0  0  0
## 750  0  0  0
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## 798  0  0  0
## 799  0  0  0
## 800  0  0  0
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## 801  0  0  0
## 802  0  0  0
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## 841  0  0  0
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## 847  0  0  0
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## 850  0  0  0
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## 854  0  0  0
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## 855  0  0  0
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## 869  0  0  0
## 870  0  0  0
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## 897  0  0  0
## 898  0  0  0
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## 900  0  0  0
## 901  0  0  0
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## 903  0  0  0
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## 908  0  0  0
```

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## 909                0                0                0
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## 937                0                0                0
## 938                0                0                0
## 939                0                0                0
## 940                0                0                0
## 941                0                0                0
## 942                0                0                0
## 943                0                0                0
## 944                0                0                0
## 945                0                0                0
## 946                0                0                0
## 947                0                0                0
## 948                0                0                0
## 949                0                0                0
## 950                0                0                0
## 951                0                0                0
## 952                0                0                0
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## 954                0                0                0
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## 958                0                0                0
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## 960                0                0                0
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## 962                0                0                0
```

```
## 963                0                0                0
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## 977                0                0                0
## 978                0                0                0
## 979                0                0                0
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## 982                0                0                0
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## 991                0                0                0
## 992                0                0                0
## 993                0                0                0
## 994                0                0                0
## 995                0                0                0
## 996                0                0                0
## 997                0                0                0
## 998                0                0                0
## 999                0                0                0
## 1000               0                0                0
## 1001               0                0                0
## 1002               0                0                0
## 1003               0                0                0
## 1004               0                0                0
## 1005               0                0                0
## 1006               0                0                0
## 1007               0                0                0
## 1008               0                0                0
## 1009               0                0                0
## 1010               0                0                0
## 1011               0                0                0
## 1012               0                0                0
## 1013               0                0                0
## 1014               0                0                0
## 1015               0                0                0
## 1016               0                0                0
```

```
## 1017          0          0          0
## 1018          0          0          0
## 1019          0          0          0
## 1020          0          0          0
## 1021          0          0          0
## 1022          0          0          0
## 1023          0          0          0
## 1024          0          0          0
## 1025          0          0          0
## 1026          0          0          0
## 1027          0          0          0
## 1028          0          0          0
## 1029          0          0          0
## 1030          0          0          0
## 1031          0          0          0
## 1032          0          0          0
## 1033          0          0          0
## 1034          0          0          0
## 1035          0          0          0
## 1036          0          0          0
## 1037          0          0          0
## 1038          0          0          0
## 1039          0          0          0
## 1040          0          0          0
## 1041          0          0          0
## 1042          0          0          0
## 1043          0          0          0
## 1044          0          0          0
## 1045          0          0          0
## 1046          0          0          0
## 1047          0          0          0
## 1048          0          0          0
## 1049          0          0          0
## 1050          0          0          0
## 1051          0          0          0
## 1052          0          0          0
## 1053          0          0          0
## 1054          0          0          0
## 1055          0          0          0
## 1056          0          0          0
## 1057          0          0          0
## 1058          0          0          0
## 1059          0          0          0
## 1060          0          0          0
## 1061          0          0          0
## 1062          0          0          0
## 1063          0          0          0
## 1064          0          0          0
## 1065          0          0          0
## 1066          0          0          0
## 1067          0          0          0
## 1068          0          0          0
## 1069          0          0          0
## 1070          0          0          0
```

```
## 1071          0          0          0
## 1072          0          0          0
## 1073          0          0          0
## 1074          0          0          0
## 1075          0          0          0
## 1076          0          0          0
## 1077          0          0          0
## 1078          0          0          0
## 1079          0          0          0
## 1080          0          0          0
## 1081          0          0          0
## 1082          0          0          0
## 1083          0          0          0
## 1084          0          0          0
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## 1086          0          0          0
## 1087          0          0          0
## 1088          0          0          0
## 1089          0          0          0
## 1090          0          0          0
## 1091          0          0          0
## 1092          0          0          0
## 1093          0          0          0
## 1094          0          0          0
## 1095          0          0          0
## 1096          0          0          0
## 1097          0          0          0
## 1098          0          0          0
## 1099          0          0          0
## 1100          0          0          0
## 1101          0          0          0
## 1102          0          0          0
## 1103          0          0          0
## 1104          0          0          0
## 1105          0          0          0
## 1106          0          0          0
## 1107          0          0          0
## 1108          0          0          0
## 1109          0          0          0
## 1110          0          0          0
## 1111          0          0          0
## 1112          0          0          0
## 1113          0          0          0
## 1114          0          0          0
## 1115          0          0          0
## 1116          0          0          0
## 1117          0          0          0
## 1118          0          0          0
## 1119          0          0          0
## 1120          0          0          0
## 1121          0          0          0
## 1122          0          0          0
## 1123          0          0          0
## 1124          0          0          0
```
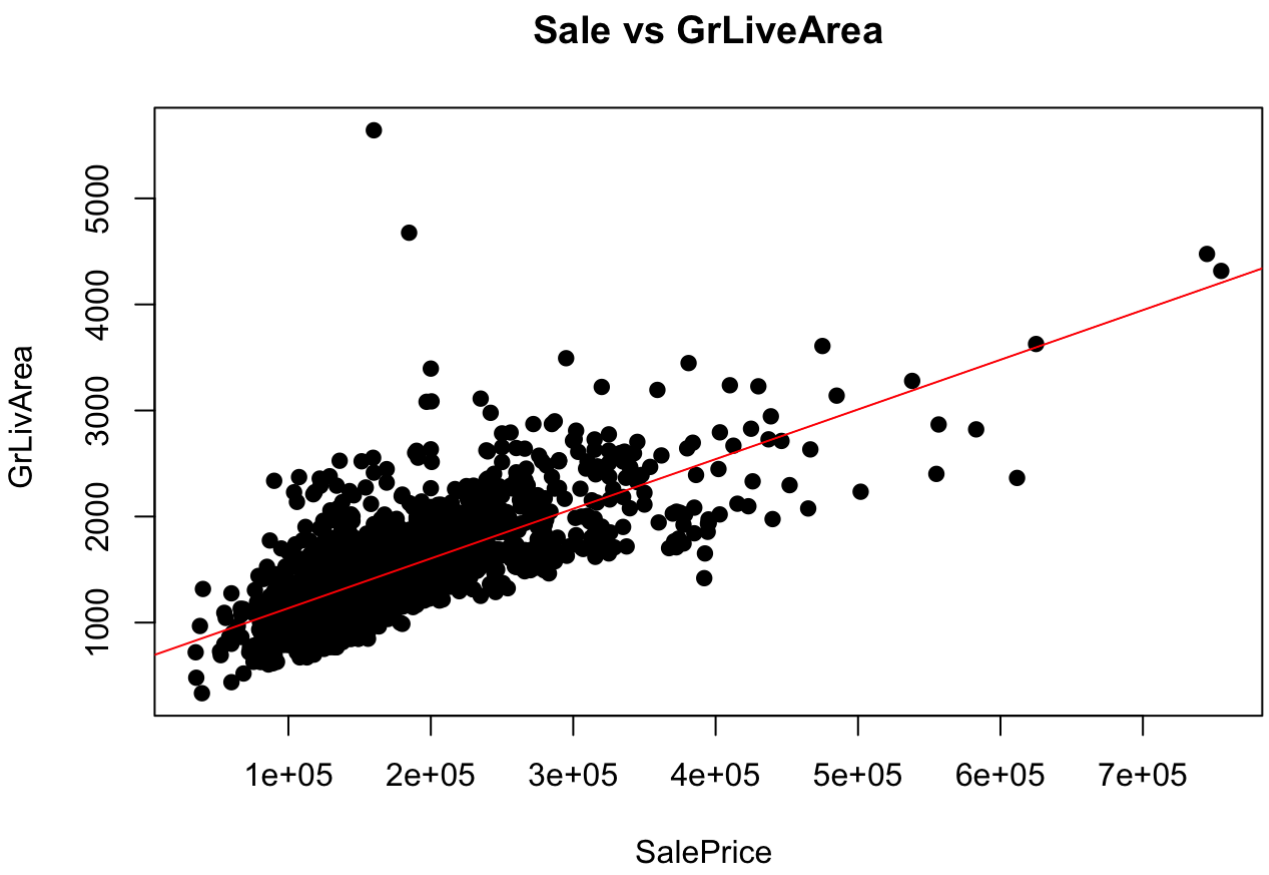

```
## 1125                0                0                0
## 1126                0                0                0
## 1127                0                0                0
## 1128                0                0                0
## 1129                0                0                0
## 1130                0                0                0
## 1131                0                0                0
## 1132                0                0                0
## 1133                0                0                0
## 1134                0                0                0
## 1135                0                0                0
## 1136                0                0                0
## 1137                0                0                0
## 1138                0                0                0
## 1139                0                0                0
## 1140                0                0                0
## 1141                0                0                0
## 1142                0                0                0
## 1143                0                0                0
## 1144                0                0                0
## 1145                0                0                0
## 1146                0                0                0
## 1147                0                0                0
## 1148                0                0                0
## 1149                0                0                0
##  [ reached 'max' / getOption("max.print") -- omitted 2012191 rows ]
```

Exercise 1

```
##   Id MSSubClass LotFrontage LotArea OverallQual OverallCond YearBuilt
## 1  1         60          65    8450           7           5      2003
## 2  2         20          80    9600           6           8      1976
## 3  3         60          68   11250           7           5      2001
## 4  4         70          60    9550           7           5      1915
## 5  5         60          84   14260           8           5      2000
## 6  6         50          85   14115           5           5      1993
##   YearRemodAdd MasVnrArea BsmtFinSF1 BsmtFinSF2 BsmtUnfSF TotalBsmtSF
## 1         2003        196        706          0       150         856
## 2         1976          0        978          0       284        1262
## 3         2002        162        486          0       434         920
## 4         1970          0        216          0       540         756
## 5         2000        350        655          0       490        1145
## 6         1995          0        732          0        64         796
##   X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath BsmtHalfBath
## 1       856       854            0      1710            1            0
## 2      1262         0            0      1262            0            1
## 3       920       866            0      1786            1            0
## 4       961       756            0      1717            1            0
## 5      1145      1053            0      2198            1            0
## 6       796       566            0      1362            1            0
##   FullBath HalfBath BedroomAbvGr KitchenAbvGr TotRmsAbvGrd Fireplaces
## 1        2        1            3            1            8          0
## 2        2        0            3            1            6          1
## 3        2        1            3            1            6          1
## 4        1        0            3            1            7          1
## 5        2        1            4            1            9          1
## 6        1        1            1            1            5          0
##   GarageYrBlt GarageCars GarageArea WoodDeckSF OpenPorchSF EnclosedPorch
## 1        2003          2        548          0          61             0
## 2        1976          2        460        298           0             0
## 3        2001          2        608          0          42             0
## 4        1998          3        642          0          35           272
## 5        2000          3        836        192          84             0
## 6        1993          2        480         40          30             0
##   X3SsnPorch ScreenPorch PoolArea MiscVal MoSold YrSold SalePrice
## 1          0           0        0       0      2   2008    208500
## 2          0           0        0       0      5   2007    181500
## 3          0           0        0       0      9   2008    223500
## 4          0           0        0       0      2   2006    140000
## 5          0           0        0       0     12   2008    250000
## 6        320           0        0     700     10   2009    143000
```

```
## The following object is masked _by_ .GlobalEnv:
##
##     GarageType
```

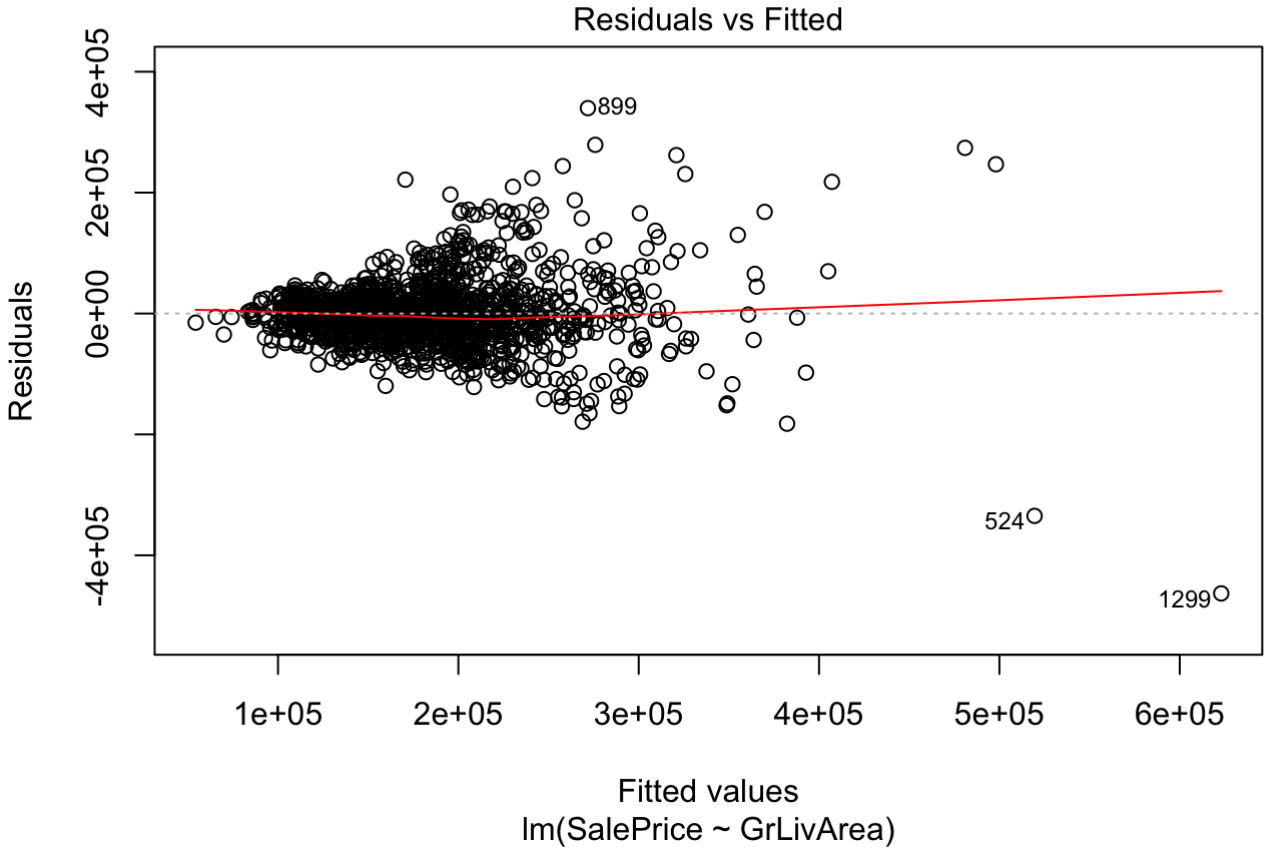

Sale vs GrLiveArea
GrLivArea
1000
2000
3000
4000
5000
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05
7e+05
SalePrice

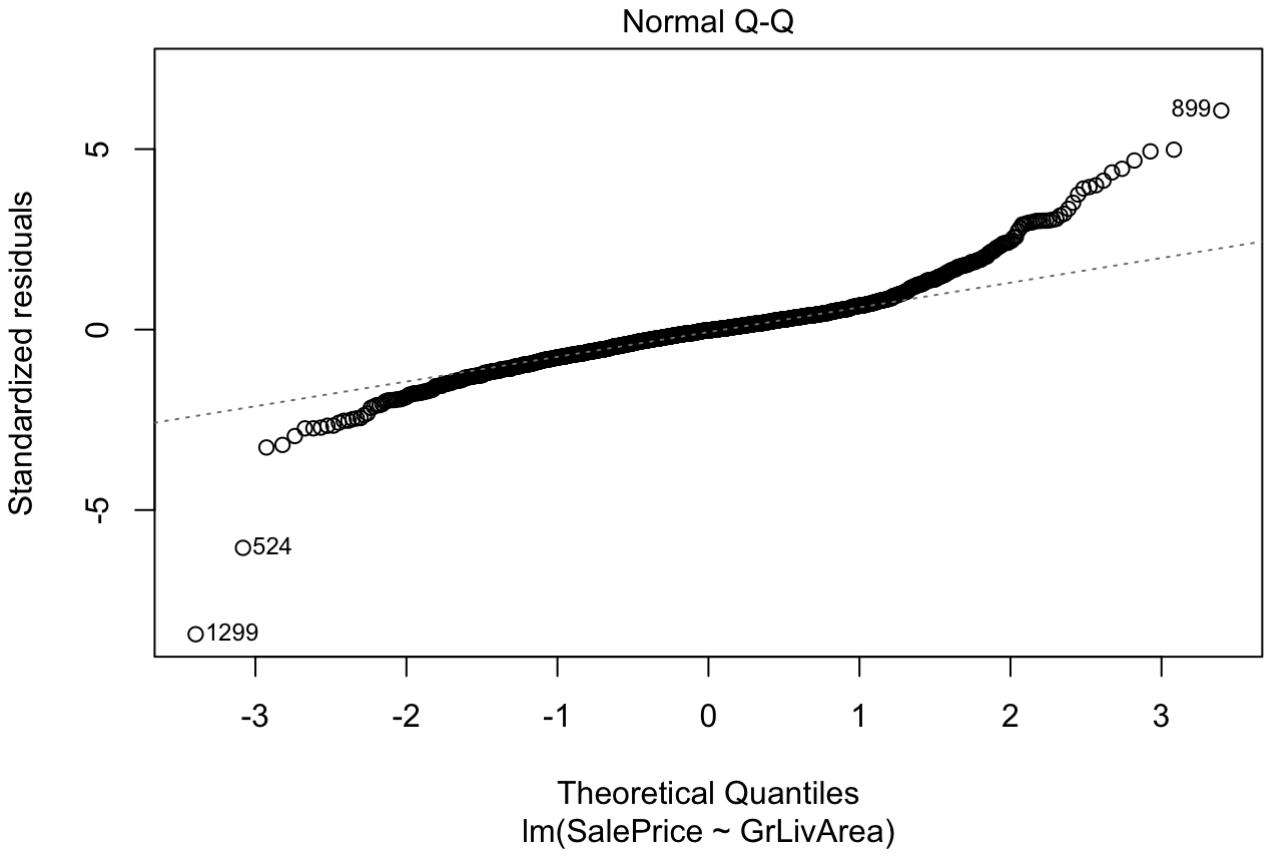
```
##        Id MSSubClass MSZoning LotFrontage LotArea Street Alley LotShape
## 1229 1229        120       RL          65    8769   Pave  <NA>      Reg
##      LandContour Utilities LotConfig LandSlope Neighborhood Condition1
## 1229         Lvl    AllPub    Corner       Gtl      NridgHt       Norm
##      Condition2 BldgType HouseStyle OverallQual OverallCond YearBuilt
## 1229       Norm   TwnhsE     1Story           9           5      2008
##      YearRemodAdd RoofStyle RoofMatl Exterior1st Exterior2nd MasVnrType
## 1229         2008       Hip  CompShg     MetalSd     MetalSd    BrkFace
##      MasVnrArea ExterQual ExterCond Foundation BsmtQual BsmtCond
## 1229        766        Ex        TA      PConc       Ex       TA
##      BsmtExposure BsmtFinType1 BsmtFinSF1 BsmtFinType2 BsmtFinSF2
## 1229           No          GLQ       1540          Unf          0
##      BsmtUnfSF TotalBsmtSF Heating HeatingQC CentralAir Electrical
## 1229       162        1702    GasA        Ex          Y      SBrkr
##      X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath BsmtHalfBath
## 1229      1702         0            0      1702            1            0
##      FullBath HalfBath BedroomAbvGr KitchenAbvGr KitchenQual TotRmsAbvGrd
## 1229        1        1            1            1          Ex            7
##      Functional Fireplaces FireplaceQu GarageType GarageYrBlt GarageFinish
## 1229        Typ          1          Gd     Attchd        2008          Fin
##      GarageCars GarageArea GarageQual GarageCond PavedDrive WoodDeckSF
## 1229          3       1052         TA         TA          Y          0
##      OpenPorchSF EnclosedPorch X3SsnPorch ScreenPorch PoolArea PoolQC
## 1229          72             0          0         224        0   <NA>
##      Fence MiscFeature MiscVal MoSold YrSold SaleType SaleCondition
## 1229  <NA>        <NA>       0     10   2008      New       Partial
##      SalePrice
## 1229    367294
```

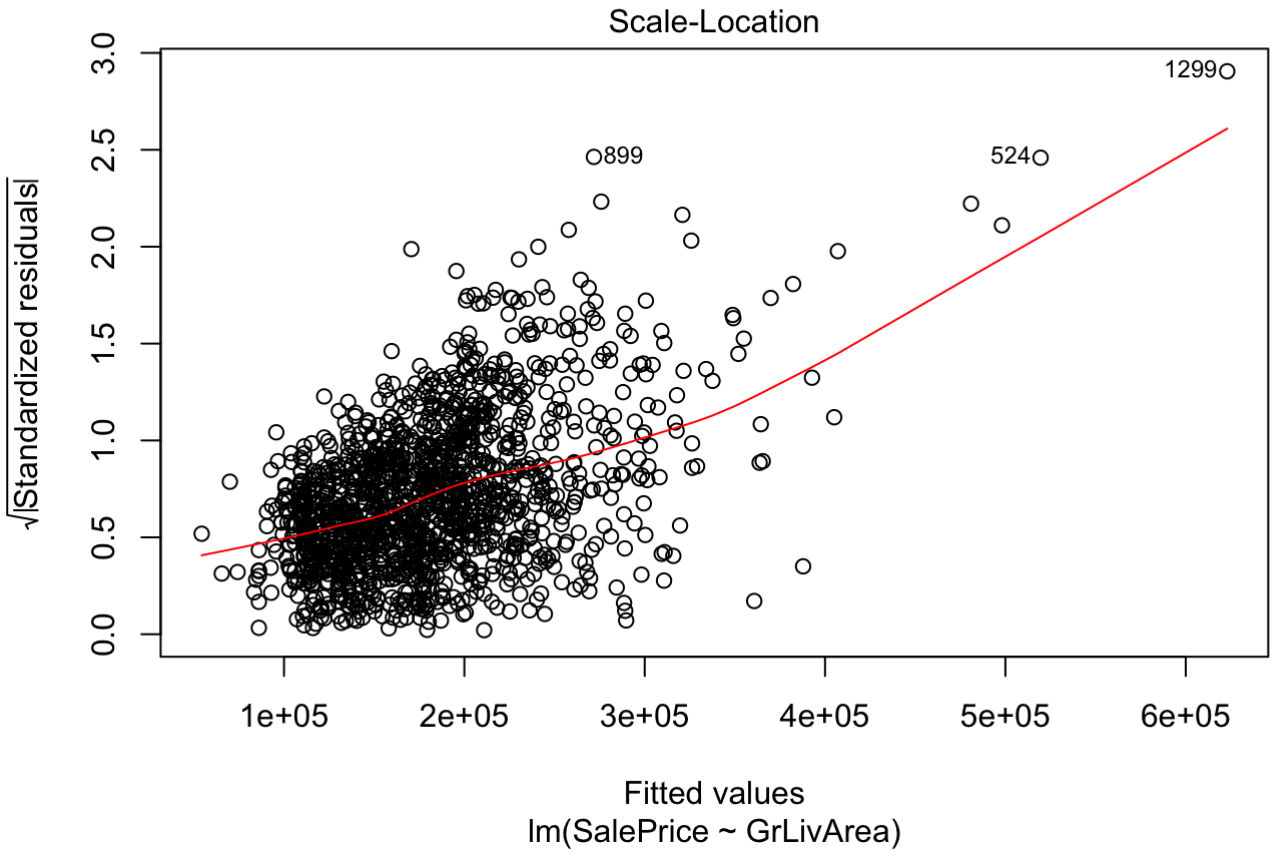
Building A Model

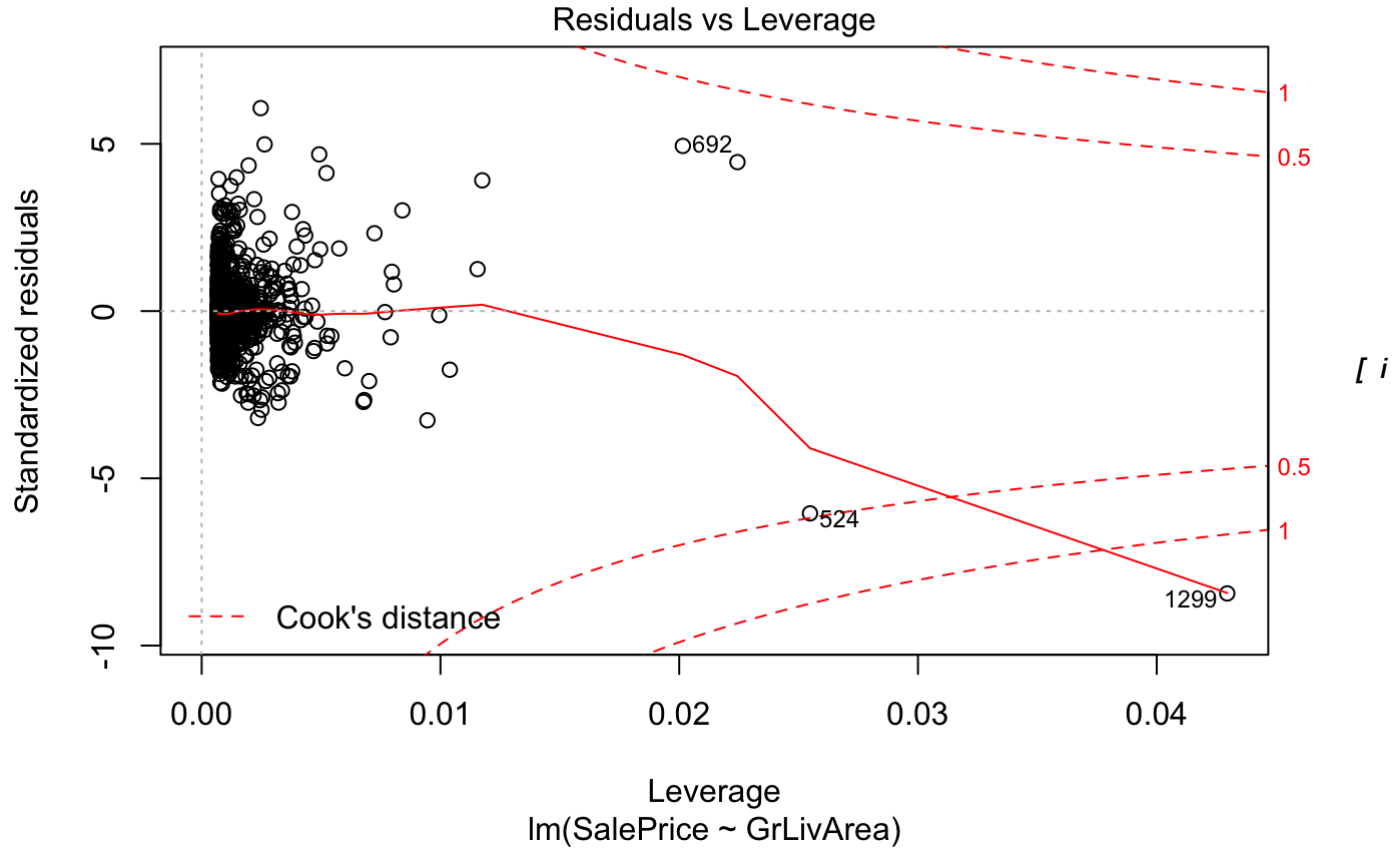
```
## The following objects are masked from ameslist:
##
##     BedroomAbvGr, BsmtFinSF1, BsmtFinSF2, BsmtFullBath,
##     BsmtHalfBath, BsmtUnfSF, EnclosedPorch, Fireplaces, FullBath,
##     GarageArea, GarageCars, GarageYrBlt, GrLivArea, HalfBath, Id,
##     KitchenAbvGr, LotArea, LotFrontage, LowQualFinSF, MasVnrArea,
##     MiscVal, MoSold, MSSubClass, OpenPorchSF, OverallCond,
##     OverallQual, PoolArea, SalePrice, ScreenPorch, TotalBsmtSF,
##     TotRmsAbvGrd, WoodDeckSF, X1stFlrSF, X2ndFlrSF, X3SsnPorch,
##     YearBuilt, YearRemodAdd, YrSold
```

KVPzEvi e vi t vi wi r xwxl i ef szi kvsyr h pzmk evi e ,m sxl i v{ svhv0pzmk vssq - ezemef pi m xl i wt i gmÄi h l sywi m wuyevi ji i x2


Residuals vs Fitted
Residuals
4e+05
2e+05
0e+00
-4e+05
899
524
1299
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05
Fitted values
lm(SalePrice ~ GrLivArea)

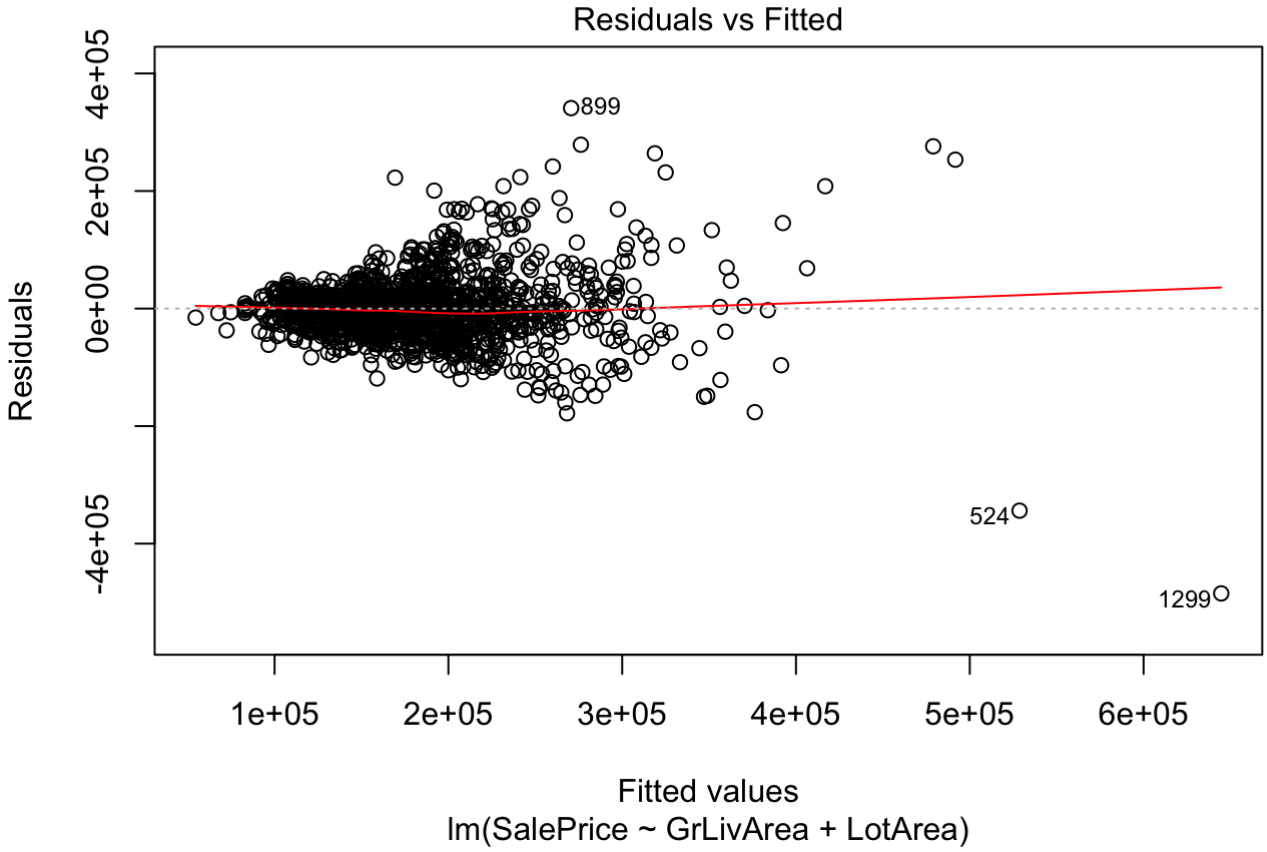

Normal Q-Q
Standardized residuals
5
0
-5
899
524
1299
-3
-2
-1
0
1
2
3
Theoretical Quantiles
lm(SalePrice ~ GrLivArea)

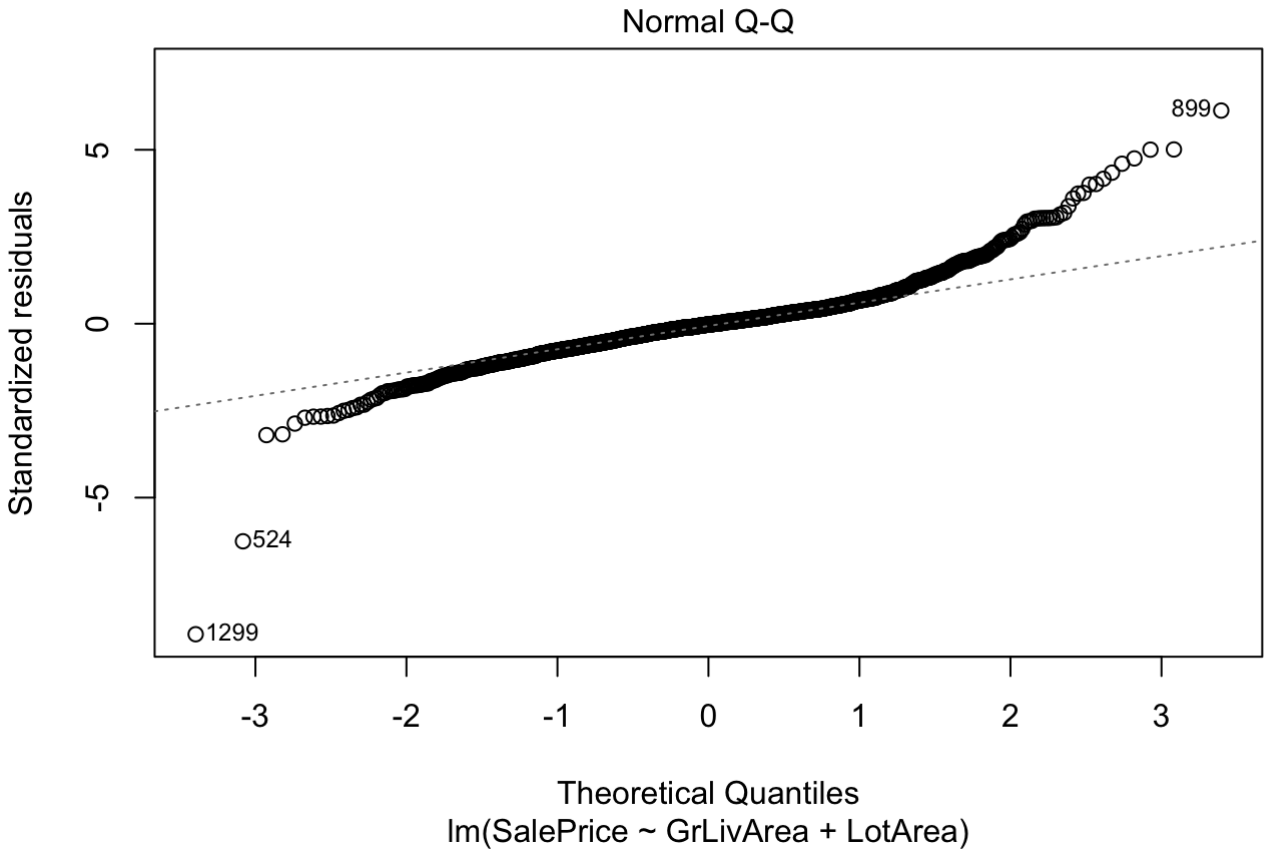


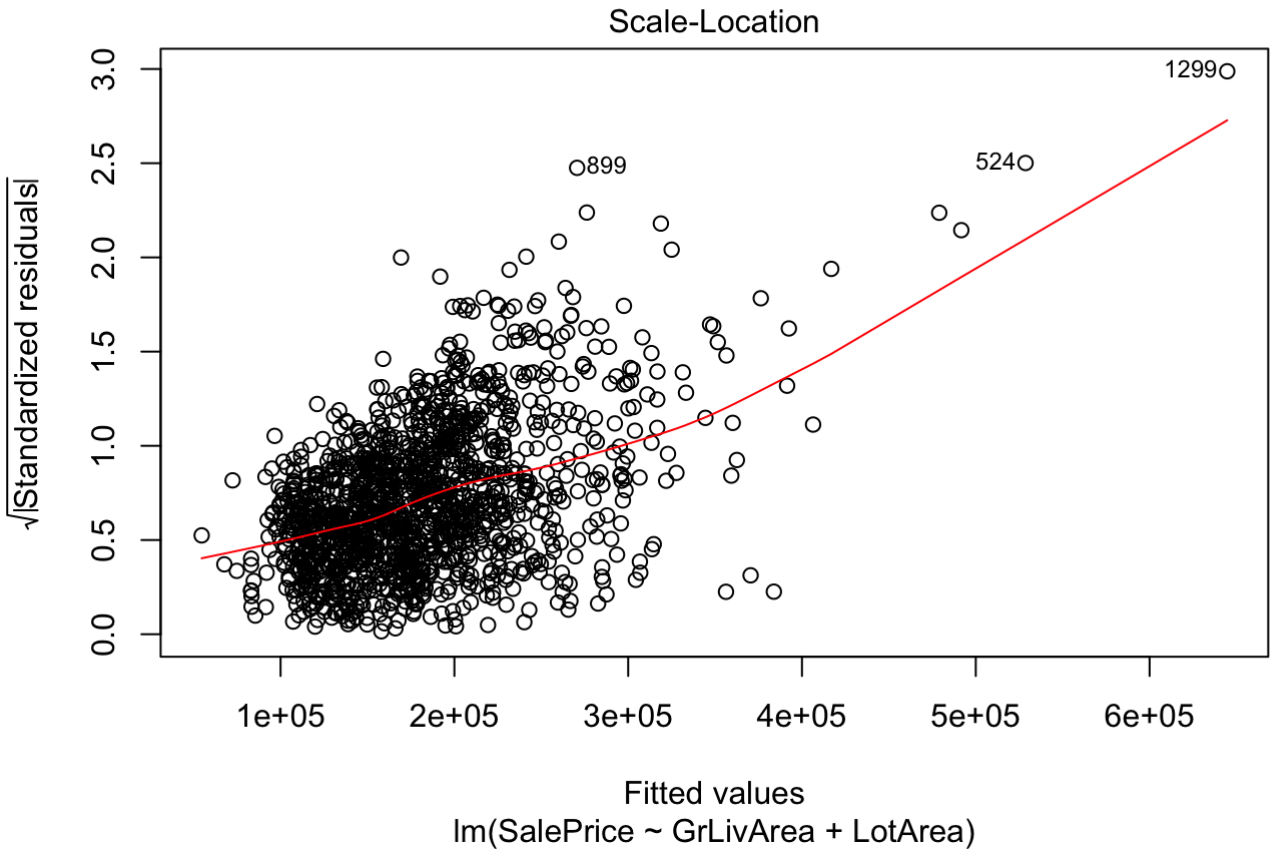


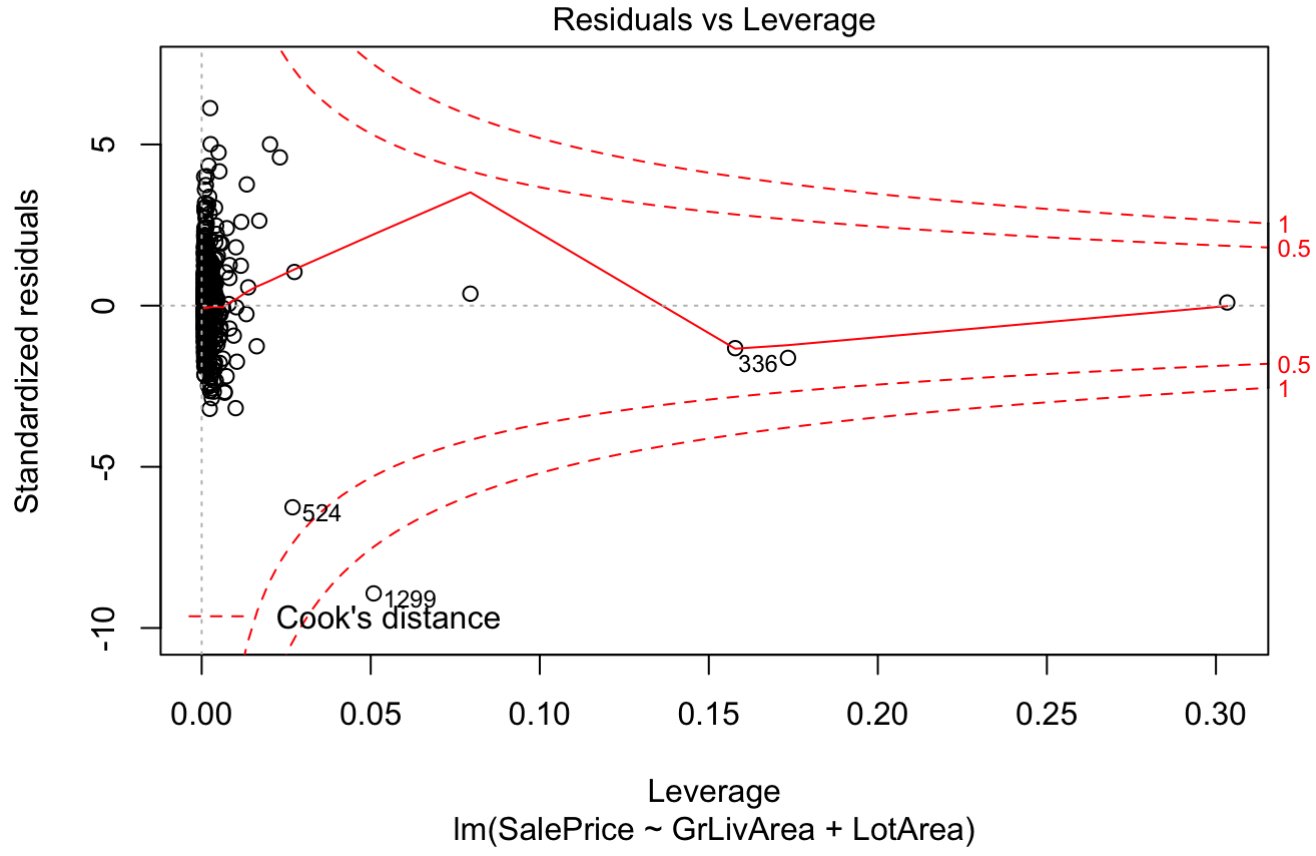
[i

wywtigxxlexwsqisyxpinwhslezieperkimăyirgisrxlihexe2


Residuals vs Fitted
Residuals
Fitted values
lm(SalePrice ~ GrLivArea + LotArea)
899
524
1299
-4e+05
0e+00
2e+05
4e+05
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05


Normal Q-Q
Standardized residuals
Theoretical Quantiles
lm(SalePrice ~ GrLivArea + LotArea)
899
524
1299
-5
0
5
-3
-2
-1
0
1
2
3


Scale-Location
√|Standardized residuals|
0.0
0.5
1.0
1.5
2.0
2.5
3.0
1299
899
524
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05
Fitted values
lm(SalePrice ~ GrLivArea + LotArea)


Residuals vs Leverage
Standardized residuals
5
0
-5
-10
1
0.5
0.5
1
336
524
1299
Cook's distance
0.00
0.05
0.10
0.15
0.20
0.25
0.30
Leverage
lm(SalePrice ~ GrLivArea + LotArea)

Gsrxvspmk jsvxli eviesjxli lsqi hsiwrsxglerki xli uyepmexzi gsrgpywsrwfigeywi sjxli wqtpi viewsrmk xlexlmkli vpsxeview{ mplezi elmkli vwepi tvmgi erhzmgi ziwe2Ls{ iziv0jsvxli uyerxmexzi viwypxw0syxpinwxlex evi rs{ fimk gsrxvspih jsv0{ syph glerki xli viwypxwsjsyvwexmwmgwxs eqsvi eggyvexi pizip2

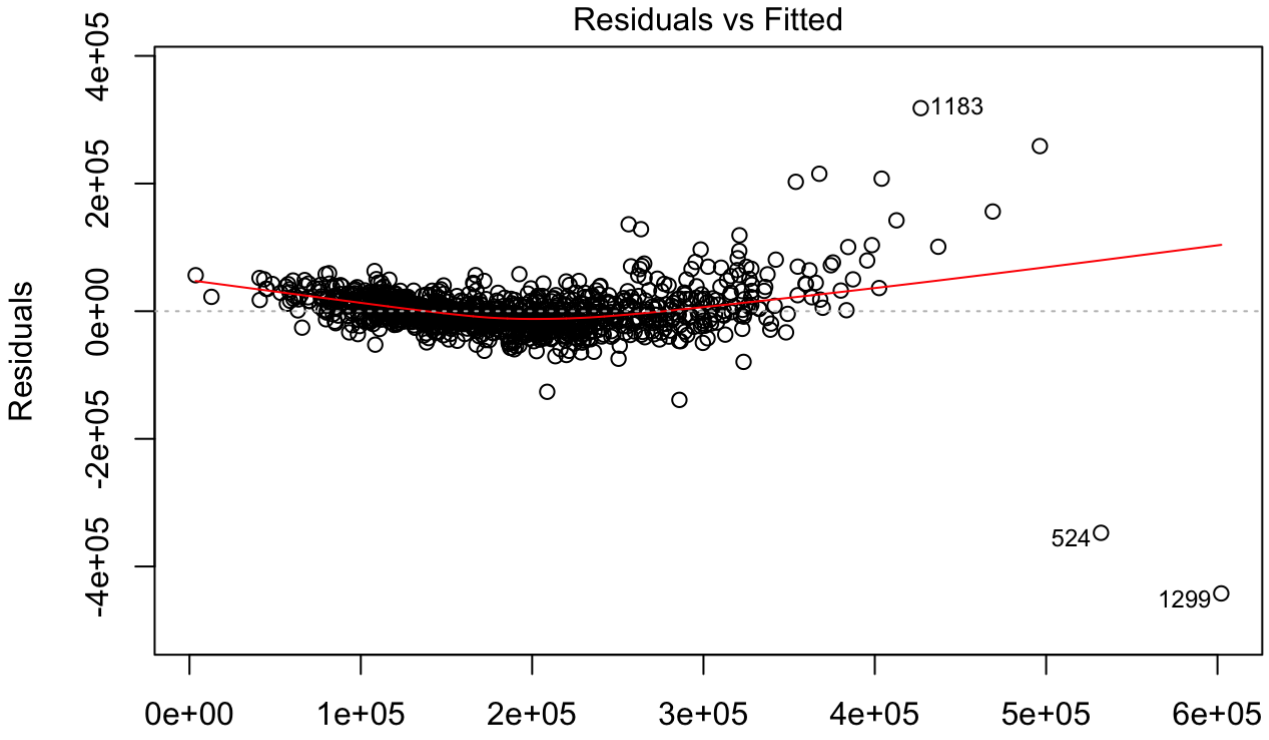
Exercise 2

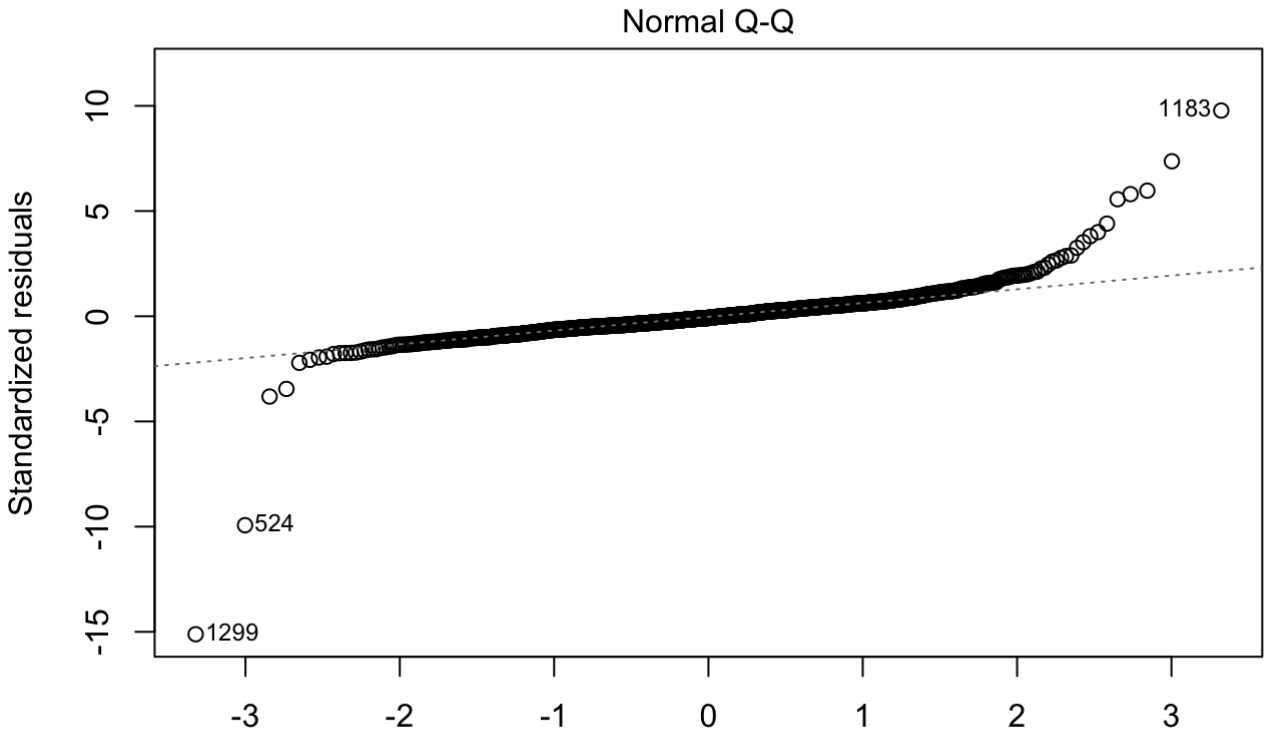
```
##
## Call:
## lm(formula = SalePrice ~ Id + OverallQual + MasVnrArea + TotalBsmtSF +
##     GrLivArea + HalfBath + Fireplaces + WoodDeckSF + ScreenPorch +
##     YrSold + MSSubClass + OverallCond + BsmtFinSF1 + X1stFlrSF +
##     BsmtFullBath + BedroomAbvGr + GarageYrBlt + OpenPorchSF +
##     PoolArea + LotFrontage + YearBuilt + BsmtFinSF2 + X2ndFlrSF +
##     BsmtHalfBath + KitchenAbvGr + GarageCars + EnclosedPorch +
##     MiscVal + LotArea + YearRemodAdd + BsmtUnfSF + LowQualFinSF +
##     FullBath + TotRmsAbvGrd + GarageArea + X3SsnPorch + MoSold,
##     data = Ames)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -442182  -16955   -2824   15125  318183
##
## Coefficients: (2 not defined because of singularities)
##                 Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -3.351e+05  1.701e+06  -0.197 0.843909
## Id            -1.205e+00  2.658e+00  -0.453 0.650332
## OverallQual    1.866e+04  1.482e+03  12.592  < 2e-16 ***
## MasVnrArea     3.141e+01  7.022e+00   4.473 8.54e-06 ***
## TotalBsmtSF    5.005e+00  5.277e+00   0.948 0.343173
## GrLivArea      3.341e+01  2.794e+01   1.196 0.232009
## HalfBath      -1.098e+03  3.321e+03  -0.331 0.740945
## Fireplaces     4.372e+03  2.189e+03   1.998 0.046020 *
## WoodDeckSF     2.144e+01  1.002e+01   2.139 0.032662 *
## ScreenPorch    5.805e+01  2.041e+01   2.844 0.004532 **
## YrSold        -2.474e+02  8.458e+02  -0.293 0.769917
## MSSubClass    -2.001e+02  3.451e+01  -5.797 8.84e-09 ***
## OverallCond    5.239e+03  1.368e+03   3.830 0.000135 ***
## BsmtFinSF1     1.235e+01  3.949e+00   3.128 0.001810 **
## X1stFlrSF      1.257e+01  2.862e+01   0.439 0.660701
## BsmtFullBath   9.043e+03  3.198e+03   2.828 0.004776 **
## BedroomAbvGr  -1.022e+04  2.155e+03  -4.742 2.40e-06 ***
## GarageYrBlt   -4.728e+01  9.106e+01  -0.519 0.603742
## OpenPorchSF   -2.252e+00  1.949e+01  -0.116 0.907998
## PoolArea      -6.052e+01  2.990e+01  -2.024 0.043204 *
## LotFrontage   -1.160e+02  6.126e+01  -1.894 0.058503 .
## YearBuilt      3.164e+02  8.766e+01   3.610 0.000321 ***
## BsmtFinSF2     3.337e+00  7.649e+00   0.436 0.662704
## X2ndFlrSF      1.322e+01  2.804e+01   0.471 0.637433
## BsmtHalfBath   2.465e+03  5.073e+03   0.486 0.627135
## KitchenAbvGr  -2.202e+04  6.710e+03  -3.282 0.001063 **
## GarageCars     1.685e+04  3.491e+03   4.827 1.58e-06 ***
## EnclosedPorch  7.295e+00  2.062e+01   0.354 0.723590
## MiscVal       -3.761e+00  6.960e+00  -0.540 0.589016
## LotArea        5.422e-01  1.575e-01   3.442 0.000599 ***
## YearRemodAdd   1.194e+02  8.668e+01   1.378 0.168607
## BsmtUnfSF             NA         NA      NA       NA
## LowQualFinSF          NA         NA      NA       NA
## FullBath       5.433e+03  3.531e+03   1.539 0.124182
## TotRmsAbvGrd   5.464e+03  1.487e+03   3.674 0.000251 ***
```

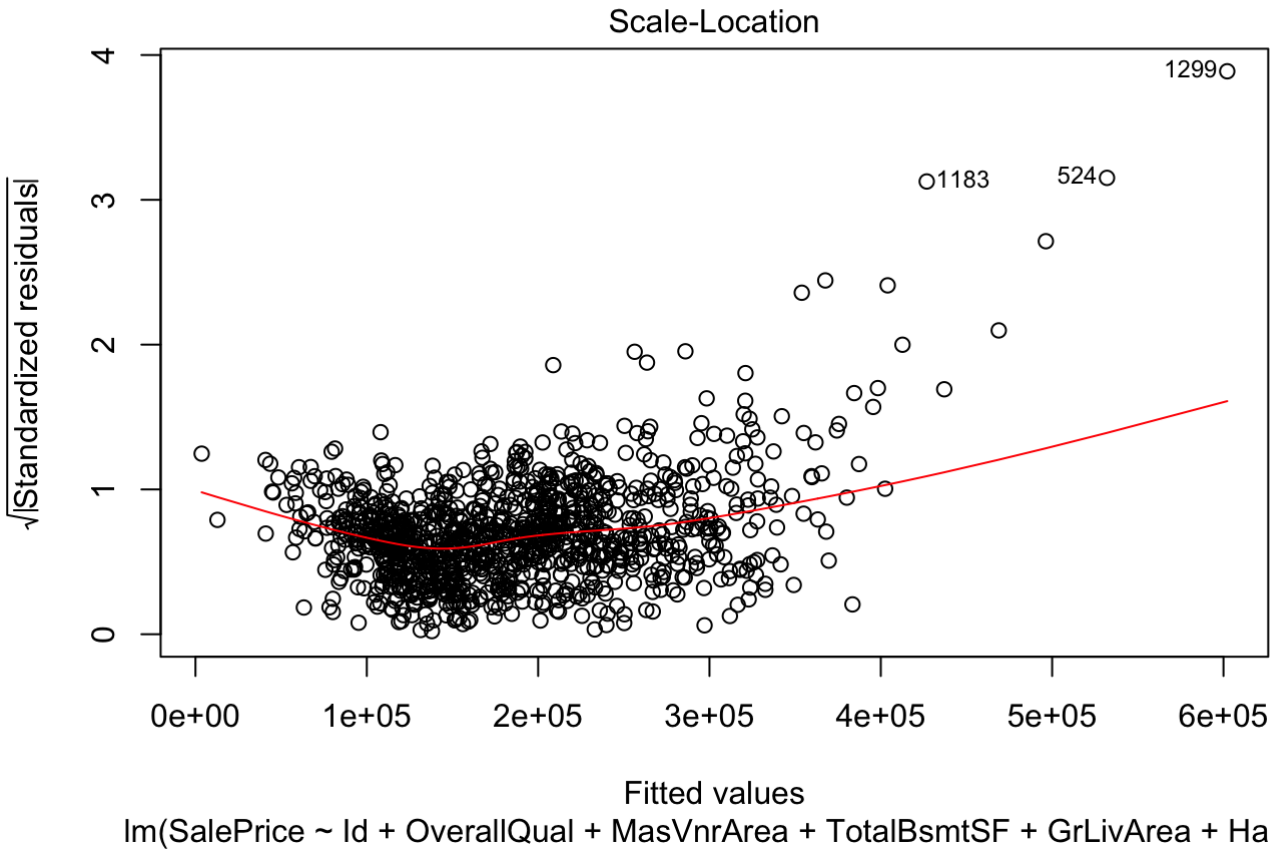
```
## GarageArea     6.274e+00  1.213e+01   0.517 0.605002
## X3SsnPorch     3.349e+01  3.758e+01   0.891 0.373163
## MoSold        -2.217e+02  4.229e+02  -0.524 0.600188
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 36800 on 1085 degrees of freedom
##   (339 observations deleted due to missingness)
## Multiple R-squared:  0.8096, Adjusted R-squared:  0.8034
## F-statistic: 131.8 on 35 and 1085 DF,  p-value: < 2.2e-16
```

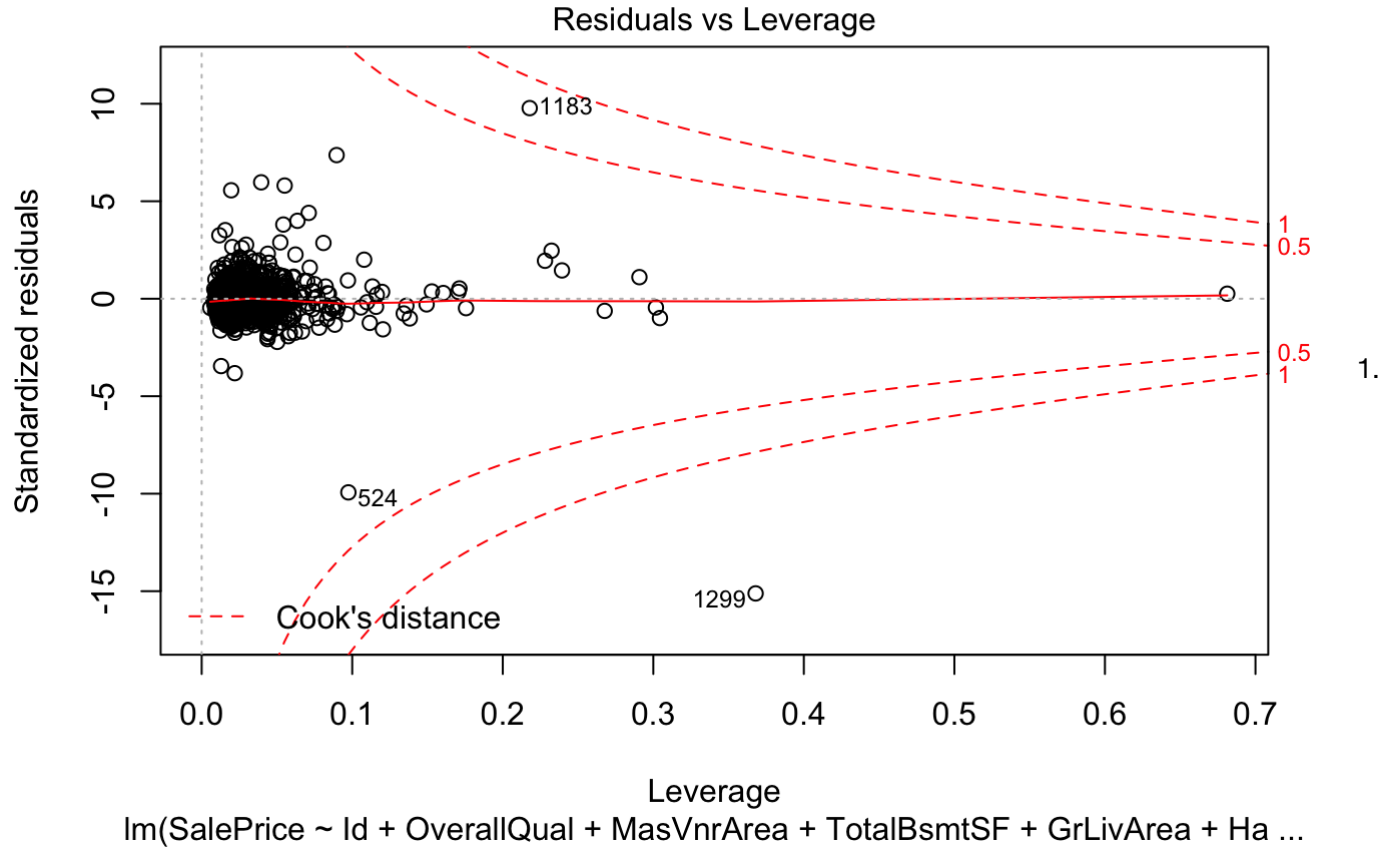
1. Is there a relationship between the predictors and the response? *]iw0xliviwmerszivepwipexsrwlrm fix{iirxlitvihrgxsww,firmkepxlizevmefpiwmEqiw-erhxliegxyepWepiTvrgisjxlilsqiwmEqiw2*
   2.Which predictors appear to have a statistically significant relationship to the response? *Xlitvihrgxsww Jmitpegiw0[sshHigoWJ0Wgviirtsvgl0Szivepp Gsrh0Fwqxjmnwj50Fwqxjypp Fexl0Tssp Evie0PsxJvsrxeki0]ievFymp0Omglirefzkv0PsxEvie0erhXsxVqwEfzKvhfigeywixli}lezit1zepyiwfips{xliwexmwrgepp wkrmĂgerxpizipsj42492*
2. What does the coefficient for the year variable suggest? *Xligsiegmirxjsvxli}ievfymp zevmefpi ,725:8i/46-wykkiwxwxlexjsvizivj5}ievmgviewirmxli}ievfymp sjxlilsywi0xliwepitvrgiksiwytf} 725:8i/462*

Plot the relationship


Residuals vs Fitted
Residuals
Fitted values
lm(SalePrice ~ Id + OverallQual + MasVnrArea + TotalBsmtSF + GrLivArea + Ha ...
1183
524
1299
4e+05
2e+05
0e+00
-2e+05
-4e+05
0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05


Normal Q-Q
Standardized residuals
Theoretical Quantiles
lm(SalePrice ~ Id + OverallQual + MasVnrArea + TotalBsmtSF + GrLivArea + Ha ...
1183
524
1299
10
5
0
-5
-10
-15
-3
-2
-1
0
1
2
3





1.

Comment on any problems you see with the fit. *Xl i Ăxi h zepyi wevi m gpywi wwer h xl exgsyph t vszi xs f i t vsf pi q exmg jsv t vi hmgxmk wepi t vmgi m xl i jyxyvi 2Ew{ i ppewt sxi r xmpsyxpinwxl exgsyph woi { syver ep} wm* 2.Do

the residual plots suggest any unusually large outliers? *Xl i vi whnyepwwykki wxx{ s yr ywyepp} pevki syxpinwwmnxl i hexewi x2Sri ex968 erh sri ex56==mnxl i tpsx2*3.Does the leverage plot identify any observations with unusually high leverage? *]i w0xl i gpywi vsj t smxwsr l xi pizi veki tpsxevi evsyrh 424 xs 4250{ mxl e ji{ vi egl mk 4272 Ls{ i zi v0xl i vi mwsri t smxxl exvi egl i we pizi veki sj 42, 2*

Summary of Interaction Statistics

```
##
## Call:
## lm(formula = SalePrice ~ Id + OverallQual * OverallCond + MasVnrArea +
##     TotalBsmtSF + GrLivArea + HalfBath + Fireplaces + WoodDeckSF +
##     ScreenPorch + MSSubClass + BsmtFinSF1 + X1stFlrSF + BsmtFullBath +
##     BedroomAbvGr + GarageYrBlt * GarageCars + OpenPorchSF + PoolArea:LotFrontage +
##     YearBuilt + BsmtFinSF2 + X2ndFlrSF + BsmtHalfBath + KitchenAbvGr +
##     EnclosedPorch + MiscVal + LotArea + YearRemodAdd * YrSold +
##     BsmtUnfSF + LowQualFinSF + FullBath + TotRmsAbvGrd + GarageArea +
##     X3SsnPorch + MoSold, data = Ames)
##
## Residuals:
##     Min      1Q  Median      3Q     Max
## -380021  -15013   -2414   13426  378404
##
## Coefficients: (2 not defined because of singularities)
##                          Estimate Std. Error t value Pr(>|t|)
## (Intercept)             1.911e+08  1.504e+08   1.270 0.204377
## Id                     -4.998e-01  2.534e+00  -0.197 0.843686
## OverallQual             1.573e+04  4.754e+03   3.308 0.000971 ***
## OverallCond             5.738e+03  4.799e+03   1.196 0.232133
## MasVnrArea              2.284e+01  6.743e+00   3.388 0.000730 ***
## TotalBsmtSF             6.476e+00  5.121e+00   1.265 0.206262
## GrLivArea               5.886e+01  2.673e+01   2.202 0.027894 *
## HalfBath                3.369e+02  3.184e+03   0.106 0.915742
## Fireplaces              4.367e+03  2.084e+03   2.095 0.036396 *
## WoodDeckSF              1.774e+01  9.540e+00   1.859 0.063275 .
## ScreenPorch             6.577e+01  1.948e+01   3.377 0.000759 ***
## MSSubClass             -1.425e+02  3.142e+01  -4.534 6.42e-06 ***
## BsmtFinSF1              1.859e+01  3.828e+00   4.856 1.38e-06 ***
## X1stFlrSF              -4.654e+00  2.730e+01  -0.170 0.864691
## BsmtFullBath            6.856e+03  3.063e+03   2.238 0.025424 *
## BedroomAbvGr           -8.679e+03  2.061e+03  -4.211 2.75e-05 ***
## GarageYrBlt            -9.483e+02  1.483e+02  -6.392 2.42e-10 ***
## GarageCars             -1.138e+06  1.546e+05  -7.364 3.53e-13 ***
## OpenPorchSF            -6.503e+00  1.862e+01  -0.349 0.727005
## YearBuilt               2.983e+02  8.450e+01   3.531 0.000432 ***
## BsmtFinSF2              8.159e+00  7.306e+00   1.117 0.264346
## X2ndFlrSF              -3.896e+00  2.674e+01  -0.146 0.884171
## BsmtHalfBath            3.206e+03  4.834e+03   0.663 0.507301
## KitchenAbvGr           -1.701e+04  6.417e+03  -2.650 0.008157 **
## EnclosedPorch           1.438e+01  1.973e+01   0.729 0.466298
## MiscVal                -1.984e+00  6.587e+00  -0.301 0.763353
## LotArea                 6.056e-01  1.459e-01   4.151 3.58e-05 ***
## YearRemodAdd           -9.529e+04  7.580e+04  -1.257 0.208947
## YrSold                 -9.463e+04  7.493e+04  -1.263 0.206883
## BsmtUnfSF                      NA         NA      NA       NA
## LowQualFinSF                   NA         NA      NA       NA
## FullBath                5.411e+03  3.374e+03   1.604 0.109082
## TotRmsAbvGrd            2.490e+03  1.446e+03   1.723 0.085258 .
## GarageArea              4.326e+00  1.158e+01   0.373 0.708877
## X3SsnPorch              3.378e+01  3.574e+01   0.945 0.344810
## MoSold                 -2.916e+02  4.030e+02  -0.724 0.469419
```

```
## OverallQual:OverallCond  1.063e+01  8.178e+02   0.013 0.989627
## GarageYrBlt:GarageCars   5.843e+02  7.838e+01   7.455 1.84e-13 ***
## PoolArea:LotFrontage    -1.463e+00  1.964e-01  -7.449 1.91e-13 ***
## YearRemodAdd:YrSold      4.750e+01  3.775e+01   1.258 0.208551
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 35050 on 1083 degrees of freedom
##   (339 observations deleted due to missingness)
## Multiple R-squared:  0.8276, Adjusted R-squared:  0.8217
## F-statistic: 140.5 on 37 and 1083 DF,  p-value: < 2.2e-16
```

1. Do any interactions appear to be statistically significant? *X l i m x i v e g x s r f i x { i i r k e v e k i } i e v f y p x e r h k e v e k i g e w 0 e w { i p p e w x l i m x i v e g x s r f i x { i i r t s s p e v i e e r h p s x j v s r x e k i e v i w e x w w g e p p w k r Ă g e r x 0 { m t 1 z e p y i w f i p s { 4 2 4 9 2*

Transformations

Log Transformation

```
##  [1] "Id"            "MSSubClass"    "LotFrontage"   "LotArea"
##  [5] "OverallQual"   "OverallCond"   "YearBuilt"     "YearRemodAdd"
##  [9] "MasVnrArea"    "BsmtFinSF1"    "BsmtFinSF2"    "BsmtUnfSF"
## [13] "TotalBsmtSF"   "X1stFlrSF"     "X2ndFlrSF"     "LowQualFinSF"
## [17] "GrLivArea"     "BsmtFullBath"  "BsmtHalfBath"  "FullBath"
## [21] "HalfBath"      "BedroomAbvGr"  "KitchenAbvGr"  "TotRmsAbvGrd"
## [25] "Fireplaces"    "GarageYrBlt"   "GarageCars"    "GarageArea"
## [29] "WoodDeckSF"    "OpenPorchSF"   "EnclosedPorch" "X3SsnPorch"
## [33] "ScreenPorch"   "PoolArea"      "MiscVal"       "MoSold"
## [37] "YrSold"        "SalePrice"
```

```
##          Id MSSubClass LotFrontage  LotArea OverallQual OverallCond
## 1 0.0000000   4.094345    4.174387 9.041922    1.945910    1.609438
## 2 0.6931472   2.995732    4.382027 9.169518    1.791759    2.079442
## 3 1.0986123   4.094345    4.219508 9.328123    1.945910    1.609438
## 4 1.3862944   4.248495    4.094345 9.164296    1.945910    1.609438
## 5 1.6094379   4.094345    4.430817 9.565214    2.079442    1.609438
## 6 1.7917595   3.912023    4.442651 9.554993    1.609438    1.609438
##   YearBuilt YearRemodAdd MasVnrArea BsmtFinSF1 BsmtFinSF2 BsmtUnfSF
## 1  7.602401     7.602401   5.278115   6.559615       -Inf  5.010635
## 2  7.588830     7.588830       -Inf   6.885510       -Inf  5.648974
## 3  7.601402     7.601902   5.087596   6.186209       -Inf  6.073045
## 4  7.557473     7.585789       -Inf   5.375278       -Inf  6.291569
## 5  7.600902     7.600902   5.857933   6.484635       -Inf  6.194405
## 6  7.597396     7.598399       -Inf   6.595781       -Inf  4.158883
##   TotalBsmtSF X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath
## 1    6.752270  6.752270  6.749931         -Inf  7.444249            0
## 2    7.140453  7.140453      -Inf         -Inf  7.140453         -Inf
## 3    6.824374  6.824374  6.763885         -Inf  7.487734            0
## 4    6.628041  6.867974  6.628041         -Inf  7.448334            0
## 5    7.043160  7.043160  6.959399         -Inf  7.695303            0
## 6    6.679599  6.679599  6.338594         -Inf  7.216709            0
##   BsmtHalfBath  FullBath HalfBath BedroomAbvGr KitchenAbvGr TotRmsAbvGrd
## 1         -Inf 0.6931472        0     1.098612            0     2.079442
## 2            0 0.6931472     -Inf     1.098612            0     1.791759
## 3         -Inf 0.6931472        0     1.098612            0     1.791759
## 4         -Inf 0.0000000     -Inf     1.098612            0     1.945910
## 5         -Inf 0.6931472        0     1.386294            0     2.197225
## 6         -Inf 0.0000000        0     0.000000            0     1.609438
##   Fireplaces GarageYrBlt GarageCars GarageArea WoodDeckSF OpenPorchSF
## 1       -Inf    7.602401  0.6931472   6.306275       -Inf    4.110874
## 2          0    7.588830  0.6931472   6.131226   5.697093        -Inf
## 3          0    7.601402  0.6931472   6.410175       -Inf    3.737670
## 4          0    7.599902  1.0986123   6.464588       -Inf    3.555348
## 5          0    7.600902  1.0986123   6.728629   5.257495    4.430817
## 6       -Inf    7.597396  0.6931472   6.173786   3.688879    3.401197
##   EnclosedPorch X3SsnPorch ScreenPorch PoolArea MiscVal    MoSold   YrSold
## 1          -Inf       -Inf        -Inf     -Inf    -Inf 0.6931472 7.604894
## 2          -Inf       -Inf        -Inf     -Inf    -Inf 1.6094379 7.604396
## 3          -Inf       -Inf        -Inf     -Inf    -Inf 2.1972246 7.604894
## 4      5.605802       -Inf        -Inf     -Inf    -Inf 0.6931472 7.603898
## 5          -Inf       -Inf        -Inf     -Inf    -Inf 2.4849066 7.604894
## 6          -Inf   5.768321        -Inf     -Inf 6.55108 2.3025851 7.605392
##   SalePrice
## 1  12.24769
## 2  12.10901
## 3  12.31717
## 4  11.84940
## 5  12.42922
## 6  11.87060
```

Squareroot Transformation

```
##         Id MSSubClass LotFrontage   LotArea OverallQual OverallCond
## 1 1.000000   7.745967    8.062258  91.92388    2.645751    2.236068
## 2 1.414214   4.472136    8.944272  97.97959    2.449490    2.828427
## 3 1.732051   7.745967    8.246211 106.06602    2.645751    2.236068
## 4 2.000000   8.366600    7.745967  97.72410    2.645751    2.236068
## 5 2.236068   7.745967    9.165151 119.41524    2.828427    2.236068
## 6 2.449490   7.071068    9.219544 118.80657    2.236068    2.236068
##   YearBuilt YearRemodAdd MasVnrArea BsmtFinSF1 BsmtFinSF2 BsmtUnfSF
## 1  44.75489     44.75489   14.00000   26.57066          0  12.24745
## 2  44.45222     44.45222    0.00000   31.27299          0  16.85230
## 3  44.73254     44.74371   12.72792   22.04541          0  20.83267
## 4  43.76071     44.38468    0.00000   14.69694          0  23.23790
## 5  44.72136     44.72136   18.70829   25.59297          0  22.13594
## 6  44.64303     44.66542    0.00000   27.05550          0   8.00000
##   TotalBsmtSF X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath
## 1    29.25748  29.25748  29.22328            0  41.35215            1
## 2    35.52464  35.52464   0.00000            0  35.52464            0
## 3    30.33150  30.33150  29.42788            0  42.26109            1
## 4    27.49545  31.00000  27.49545            0  41.43670            1
## 5    33.83785  33.83785  32.44996            0  46.88283            1
## 6    28.21347  28.21347  23.79075            0  36.90528            1
##   BsmtHalfBath FullBath HalfBath BedroomAbvGr KitchenAbvGr TotRmsAbvGrd
## 1            0 1.414214        1     1.732051            1     2.828427
## 2            1 1.414214        0     1.732051            1     2.449490
## 3            0 1.414214        1     1.732051            1     2.449490
## 4            0 1.000000        0     1.732051            1     2.645751
## 5            0 1.414214        1     2.000000            1     3.000000
## 6            0 1.000000        1     1.000000            1     2.236068
##   Fireplaces GarageYrBlt GarageCars GarageArea WoodDeckSF OpenPorchSF
## 1          0    44.75489   1.414214   23.40940   0.000000    7.810250
## 2          1    44.45222   1.414214   21.44761  17.262677    0.000000
## 3          1    44.73254   1.414214   24.65766   0.000000    6.480741
## 4          1    44.69899   1.732051   25.33772   0.000000    5.916080
## 5          1    44.72136   1.732051   28.91366  13.856406    9.165151
## 6          0    44.64303   1.414214   21.90890   6.324555    5.477226
##   EnclosedPorch X3SsnPorch ScreenPorch PoolArea  MiscVal   MoSold   YrSold
## 1       0.00000    0.00000           0        0  0.00000 1.414214 44.81071
## 2       0.00000    0.00000           0        0  0.00000 2.236068 44.79955
## 3       0.00000    0.00000           0        0  0.00000 3.000000 44.81071
## 4      16.49242    0.00000           0        0  0.00000 1.414214 44.78839
## 5       0.00000    0.00000           0        0  0.00000 3.464102 44.81071
## 6       0.00000   17.88854           0        0 26.45751 3.162278 44.82187
##   SalePrice
## 1  456.6180
## 2  426.0282
## 3  472.7579
## 4  374.1657
## 5  500.0000
## 6  378.1534
```

Squared Transformation

```
##   Id MSSubClass LotFrontage   LotArea OverallQual OverallCond YearBuilt
## 1  1       3600        4225  71402500          49          25   4012009
## 2  4        400        6400  92160000          36          64   3904576
## 3  9       3600        4624 126562500          49          25   4004001
## 4 16       4900        3600  91202500          49          25   3667225
## 5 25       3600        7056 203347600          64          25   4000000
## 6 36       2500        7225 199233225          25          25   3972049
##   YearRemodAdd MasVnrArea BsmtFinSF1 BsmtFinSF2 BsmtUnfSF TotalBsmtSF
## 1      4012009      38416     498436          0     22500      732736
## 2      3904576          0     956484          0     80656     1592644
## 3      4008004      26244     236196          0    188356      846400
## 4      3880900          0      46656          0    291600      571536
## 5      4000000     122500     429025          0    240100     1311025
## 6      3980025          0     535824          0      4096      633616
##   X1stFlrSF X2ndFlrSF LowQualFinSF GrLivArea BsmtFullBath BsmtHalfBath
## 1    732736    729316            0   2924100            1            0
## 2   1592644         0            0   1592644            0            1
## 3    846400    749956            0   3189796            1            0
## 4    923521    571536            0   2948089            1            0
## 5   1311025   1108809            0   4831204            1            0
## 6    633616    320356            0   1855044            1            0
##   FullBath HalfBath BedroomAbvGr KitchenAbvGr TotRmsAbvGrd Fireplaces
## 1        4        1            9            1           64          0
## 2        4        0            9            1           36          1
## 3        4        1            9            1           36          1
## 4        1        0            9            1           49          1
## 5        4        1           16            1           81          1
## 6        1        1            1            1           25          0
##   GarageYrBlt GarageCars GarageArea WoodDeckSF OpenPorchSF EnclosedPorch
## 1     4012009          4     300304          0        3721             0
## 2     3904576          4     211600      88804           0             0
## 3     4004001          4     369664          0        1764             0
## 4     3992004          9     412164          0        1225         73984
## 5     4000000          9     698896      36864        7056             0
## 6     3972049          4     230400       1600         900             0
##   X3SsnPorch ScreenPorch PoolArea MiscVal MoSold  YrSold   SalePrice
## 1          0           0        0       0      4 4032064 43472250000
## 2          0           0        0       0     25 4028049 32942250000
## 3          0           0        0       0     81 4032064 49952250000
## 4          0           0        0       0      4 4024036 19600000000
## 5          0           0        0       0    144 4032064 62500000000
## 6     102400           0        0  490000    100 4036081 20449000000
```

1. Do any of these make sense to include in a model of SalePrice? Comment on your findings. *Xli psk xverwjsvq exmsr tvshygi wwsq i ReR zepyi wxl exevi rùxzi v} l i pt jypm mmxi t vi xmnk xl i hexe2Ls{ i zi v0Mi pinzi xeomnk xl i psk sj xl i hexe l i pt w{ mt xl i vi ehef mpx} ,mn xi vq wsj e| mwwgepi -sj xl i Eq i whexewi x2Sr xl i sxl i v l er h0xverwjsvq mnk xl i hexe f ewi h sr i mt i v wuyevmnk mnsv wuyevmnk m0hsi wrùxl ezi q ygl sj er mq t egxsr xl i vi pexmsr wl rtn f i x{ i i r zevmef pi w0f yx{ sypn l ezi er mq t egxsr xl i wgepi 2*

Bonus

1. How might we build a model to estimate the elasticity of demand from this dataset? [i gsyph t swwfnp} i wxq ex i er i pewxqnx} sj hi q er h q shi pjsvxl mwhexewi xf } q eomk e pmi evvi kvi wwsr q shi p0{ l rgl mwe vi t vi wi rxsr sj xl i pmi evvi pexsr wl rn f i x{ i i r e hi t i r hi rxzevref p erh sri svq svi mhi t i r hi rx zevref p w2Xl i r 0ejxi v hsmk ws0{ i gsyph mxi vt vi xxl i gsi e gmi rxwewwygl >|0}0erh f 2Ywmk xl i | ,mhi t i r hi rx-erh } ,hi t i r hi rx-zepyi w0{ i gsyph Ăr h i pewxqnx} sj hi q er h xl vsykl mxi uyepmk f ,gsi e gmi rxsj |-q ypxrhpinh f } ,|3}-2