Marketing Analytics Project

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```r
library(readxl)
library(dplyr)
```

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

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

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

```r
library(ggplot2)
library(tidyr)

#setwd([exact file path redacted])

data_1 = read_excel("data_1.xlsx")
data_2 = read_excel("data_2.xlsx")
```

```r
# Merge the datasets
merged_data <- merge(data_1, data_2, by = c("product", "date"))
merged_data
```

```
##            product       date purchases sales views category leadtime
## 1    1.001496e+19 2020-08-11         0     0     9        B        0
## 2    1.007131e+19 2020-08-15         0     0     3        A       13
## 3    1.009407e+19 2020-08-15         0     0    30        C        0
## 4    1.018505e+19 2020-08-14         0     0     1        A        0
## 5    1.033200e+19 2020-08-12         0     0     1        E        0
## 6    1.037374e+19 2020-08-10         0     0     3        A       45
## 7    1.042241e+19 2020-08-14         0     0     8        A       15
## 8    1.043119e+19 2020-08-10         0     0     2        E        0
## 9    1.043279e+19 2020-08-12         0     0     3        D        0
## 10   1.050126e+19 2020-08-11         0     0    10        A       44
## 11   1.050848e+19 2020-08-15         0     0     5        D        0
## 12   1.064012e+19 2020-08-20         0     0    11        C        7
## 13   1.065184e+19 2020-08-14         0     0     1        E        0
```

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## 14   1.065448e+19 2020-08-18        0        0        8        A        37
## 15   1.067274e+19 2020-08-12        0        0        2        D         0
## 16   1.072191e+19 2020-08-15        0        0        8        C         0
## 17   1.074350e+19 2020-08-14        0        0       15        A        13
## 18   1.074716e+19 2020-08-11        0        0        8        C        42
## 19   1.089763e+19 2020-08-14        0        0        1        D         0
## 20   1.108085e+19 2020-08-17        0        0        4        A        11
## 21   1.108878e+19 2020-08-10        0        0       49        B        81
## 22   1.118525e+19 2020-08-19        0        0        7        F         0
## 23   1.122460e+19 2020-08-15        0        0        2        A         0
## 24   1.125120e+19 2020-08-11        0        0        6        G       160
## 25   1.126054e+19 2020-08-20        1     1699       17        A         0
## 26   1.129345e+19 2020-08-15        0        0        1        B         0
## 27   1.131919e+19 2020-08-16        0        0        3        A        54
## 28   1.136773e+19 2020-08-19        0        0        1        A         9
## 29   1.140792e+19 2020-08-18        0        0       12        A         0
## 30   1.146044e+19 2020-08-17        0        0        2        A        10
## 31   1.147944e+19 2020-08-17        0        0        3        A         0
## 32   1.152645e+19 2020-08-15        0        0        1        D         0
## 33   1.157444e+19 2020-08-19        0        0        4        A       141
## 34   1.163561e+19 2020-08-13        0        0        6        A       141
## 35   1.163699e+19 2020-08-12        0        0       17        A        15
## 36   1.167079e+19 2020-08-18        0        0        6        A         0
## 37   1.168062e+19 2020-08-12        0        0        4        C        81
## 38   1.180276e+19 2020-08-12        0        0        3        A        15
## 39   1.183167e+19 2020-08-10        0        0       53        F        17
## 40   1.183467e+19 2020-08-19        0        0       45        A         0
## 41   1.184630e+19 2020-08-13        0        0        1        A        15
## 42   1.186865e+19 2020-08-16        0        0       26        A        12
## 43   1.188752e+19 2020-08-16        0        0        5        B         0
## 44   1.192222e+19 2020-08-11        0        0        8        C        42
## 45   1.192781e+19 2020-08-12        0        0        2        F         0
## 46   1.193522e+19 2020-08-20        0        0        1        A         7
## 47   1.201885e+19 2020-08-19        0        0        1        D        30
## 48   1.203017e+19 2020-08-15        0        0       20        A        65
## 49   1.204003e+19 2020-08-16        0        0        4        B        55
## 50   1.204814e+19 2020-08-16        0        0        1        A         0
## 51   1.206880e+19 2020-08-18        1      599       22        B         0
## 52   1.208259e+19 2020-08-14        0        0       46        A        41
## 53   1.210138e+19 2020-08-17        0        0       13        A         0
## 54   1.211708e+19 2020-08-19        0        0        1        B        32
## 55   1.214690e+19 2020-08-14        0        0        3        C        62
## 56   1.216011e+19 2020-08-16        0        0        3        A        54
## 57   1.233652e+19 2020-08-14        0        0       31        B        37
## 58   1.234798e+19 2020-08-20        1      149        2        B         0
## 59   1.235754e+19 2020-08-14        0        0       27        F        37
## 60   1.239653e+19 2020-08-17        0        0        1        A        38
## 61   1.243682e+19 2020-08-10        0        0       10        C         0
## 62   1.250547e+19 2020-08-13        0        0        3        A         0
## 63   1.252077e+19 2020-08-18        0        0        2        D        71
## 64   1.254919e+19 2020-08-18        0        0       43        B         0
## 65   1.259651e+19 2020-08-16        0        0        2        A       130
## 66   1.266993e+19 2020-08-16        0        0        2        A         0
## 67   1.269503e+19 2020-08-11        0        0        1        D        99
```

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## 68    1.279337e+19 2020-08-14       0     0     89     C      0
## 69    1.279565e+19 2020-08-20       0     0      4     B     69
## 70    1.281333e+19 2020-08-11       0     0      3     A    109
## 71    1.282363e+19 2020-08-12       0     0     12     C      0
## 72    1.292501e+18 2020-08-11       0     0      1     A     90
## 73    1.296793e+19 2020-08-12       0     0      1     A      0
## 74    1.300346e+19 2020-08-19       0     0      4     A     36
## 75    1.312213e+19 2020-08-12       0     0      9     F     84
## 76    1.316945e+19 2020-08-11       0     0     14     B     40
## 77    1.317058e+19 2020-08-17       0     0      7     A     32
## 78    1.325441e+19 2020-08-12       0     0      1     A    108
## 79    1.344085e+19 2020-08-19       0     0     28     A      0
## 80    1.347750e+19 2020-08-17       0     0      6     D      0
## 81    1.348651e+19 2020-08-13       0     0      6     C    124
## 82    1.350887e+19 2020-08-13       0     0      1     A      0
## 83    1.351190e+19 2020-08-14       0     0      3     D     65
## 84    1.355119e+19 2020-08-14       0     0      3     G     37
## 85    1.357385e+19 2020-08-11       0     0      1     A     90
## 86    1.369969e+19 2020-08-17       0     0      5     C     10
## 87    1.371079e+19 2020-08-16       0     0      1     A     30
## 88    1.377121e+19 2020-08-19       1   169      4     B     32
## 89    1.381495e+19 2020-08-10       0     0     15     F     86
## 90    1.388232e+19 2020-08-11       0     0      3     A     18
## 91    1.389672e+19 2020-08-11       0     0      1     D     42
## 92    1.393479e+19 2020-08-18       0     0      3     G     71
## 93    1.404919e+19 2020-08-13       0     0      1     A      0
## 94    1.405332e+19 2020-08-15       0     0     38  <NA>    129
## 95    1.417043e+19 2020-08-13       0     0     10     F     14
## 96    1.418931e+19 2020-08-19       0     0      4     B     70
## 97    1.420919e+19 2020-08-10       1   249      7     D     41
## 98    1.421679e+19 2020-08-12       0     0      2     A     87
## 99    1.426715e+19 2020-08-13       0     0      3     A     42
## 100   1.431126e+19 2020-08-17       0     0     24     F    103
## 101   1.435548e+19 2020-08-16       0     0     12     A     54
## 102   1.435767e+19 2020-08-15       0     0      1     A     12
## 103   1.449765e+19 2020-08-11       0     0     53     C    208
## 104   1.464662e+19 2020-08-18       0     0      9     F      0
## 105   1.479523e+19 2020-08-20       0     0      3     C      7
## 106   1.484235e+19 2020-08-15       0     0      4     F      0
## 107   1.491418e+19 2020-08-12       0     0      1     A      0
## 108   1.495264e+19 2020-08-16       0     0     21     A     39
## 109   1.496373e+19 2020-08-17       0     0      6     C    120
## 110   1.497005e+19 2020-08-14       0     0     80     A      0
## 111   1.500946e+19 2020-08-17       0     0      6     A     38
## 112   1.503663e+19 2020-08-18       0     0      3     F     81
## 113   1.505711e+19 2020-08-13       0     0      1     A      0
## 114   1.509436e+19 2020-08-10       0     0      1     D      0
## 115   1.516850e+19 2020-08-14       0     0      8     A      0
## 116   1.517497e+19 2020-08-14       0     0      6     A      0
## 117   1.523909e+19 2020-08-17       0     0      5     A      0
## 118   1.526688e+18 2020-08-18       0     0     14  <NA>      0
## 119   1.533906e+19 2020-08-12       0     0      2     A     43
## 120   1.534786e+19 2020-08-18       0     0      4     A    141
## 121   1.549408e+19 2020-08-11       0     0      7     C     40
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## 122  1.549572e+19 2020-08-18    0    0    7    A      0
## 123  1.550091e+19 2020-08-14    0    0   10    A      0
## 124  1.551890e+19 2020-08-20    0    0    5    C     69
## 125  1.552926e+19 2020-08-20    0    0    1    A     50
## 126  1.557873e+19 2020-08-16    0    0    2    D      0
## 127  1.577063e+19 2020-08-18    0    0    1    A     37
## 128  1.586302e+19 2020-08-20    0    0    9    A      0
## 129  1.588718e+19 2020-08-17    0    0    2    A     53
## 130  1.589532e+19 2020-08-17    0    0   79    C    208
## 131  1.591672e+19 2020-08-12    0    0    3    C      0
## 132  1.600647e+19 2020-08-19    0    0   10    A      0
## 133  1.603321e+19 2020-08-12    0    0   11    A      0
## 134  1.607473e+19 2020-08-18    0    0    2    D     31
## 135  1.608307e+19 2020-08-19    0    0   12    A     30
## 136  1.610829e+19 2020-08-13    0    0   17    C     58
## 137  1.613725e+19 2020-08-17    0    0    9    C     62
## 138  1.614084e+19 2020-08-13    0    0    2    D      0
## 139  1.616808e+19 2020-08-18    0    0    2    A      0
## 140  1.628041e+19 2020-08-17    0    0    1    A      0
## 141  1.628622e+19 2020-08-18    0    0    2    A     71
## 142  1.632645e+19 2020-08-19    0    0    4    A    100
## 143  1.647584e+19 2020-08-10    0    0   12    F    110
## 144  1.652978e+19 2020-08-15    0    0   46    A      0
## 145  1.668063e+19 2020-08-16    0    0   10    A      0
## 146  1.680589e+19 2020-08-10    0    0   23    A     17
## 147  1.681808e+19 2020-08-16    0    0    1    A      0
## 148  1.694520e+19 2020-08-16    0    0    6    A     39
## 149  1.701602e+19 2020-08-10    0    0   12    C     81
## 150  1.703879e+19 2020-08-19    0    0    2    A      0
## 151  1.706127e+19 2020-08-12    0    0    2    A      0
## 152  1.712232e+19 2020-08-12    0    0    4    B     59
## 153  1.712314e+19 2020-08-20    0    0    2 <NA>      0
## 154  1.714544e+19 2020-08-14    0    0    6    A    106
## 155  1.716121e+19 2020-08-12    0    0    4    A      0
## 156  1.719180e+19 2020-08-15    0    0    1    F      0
## 157  1.724413e+19 2020-08-17    0    0    4    D     83
## 158  1.727012e+19 2020-08-15    0    0    1    A      0
## 159  1.727758e+19 2020-08-13    0    0    5    A    107
## 160  1.729523e+19 2020-08-19    0    0    5    A      0
## 161  1.732256e+19 2020-08-15    0    0    7    B     74
## 162  1.734212e+19 2020-08-18    0    0    8    A     31
## 163  1.734961e+19 2020-08-18    0    0   22    C     33
## 164  1.736917e+19 2020-08-11    1  399   32    B      0
## 165  1.737240e+19 2020-08-12    0    0    2    F     17
## 166  1.750503e+19 2020-08-13    0    0    1    A      0
## 167  1.755093e+19 2020-08-16    0    0    4    A      0
## 168  1.758254e+19 2020-08-17    0    0    5    G    154
## 169  1.758472e+18 2020-08-18    0    0   22    D      0
## 170  1.758835e+19 2020-08-20    0    0   15    G     69
## 171  1.766062e+19 2020-08-17    0    0    2    E     91
## 172  1.771047e+19 2020-08-17    0    0    2    A      0
## 173  1.775916e+19 2020-08-11    0    0    9    A      0
## 174  1.779837e+19 2020-08-12    0    0    6    G      0
## 175  1.780126e+19 2020-08-19    0    0   19    A      9
```

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## 176  1.785774e+19 2020-08-20          0    0    1    D      0
## 177  1.803955e+19 2020-08-10          0    0   28    A      0
## 178  1.804984e+19 2020-08-13          0    0    6    A     86
## 179  1.810688e+19 2020-08-12          0    0   25    C      0
## 180  1.813907e+19 2020-08-19          0    0    4 <NA>      0
## 181  1.814952e+19 2020-08-14          0    0    4    A     13
## 182  1.817920e+19 2020-08-18          0    0    3    A     31
## 183  1.818516e+19 2020-08-16          0    0    3    A     39
## 184  1.825441e+19 2020-08-19          0    0   17    C      0
## 185  1.831259e+19 2020-08-15          0    0    7    F     81
## 186  1.832940e+19 2020-08-10          0    0   31    A     45
## 187  1.833019e+19 2020-08-10          0    0   39    G     41
## 188  1.839781e+19 2020-08-20          0    0    2    D     80
## 189  1.001081e+19 2020-08-10          0    0    4    G     81
## 190  1.001601e+19 2020-08-11          0    0   15    C     40
## 191  1.001713e+19 2020-08-19          0    0    3    A      0
## 192  1.002486e+19 2020-08-18          0    0    4    C     71
## 193  1.003008e+18 2020-08-20          0    0    1    D      8
## 194  1.003122e+19 2020-08-13          0    0    1    A    106
## 195  1.004202e+19 2020-08-12          0    0    2    A      0
## 196  1.004280e+18 2020-08-14          0    0    6    C      0
## 197  1.004465e+19 2020-08-16          0    0    2    G     49
## 198  1.004516e+19 2020-08-15          0    0   11 <NA>     10
## 199  1.004921e+19 2020-08-14          0    0   28    B      0
## 200  1.005319e+19 2020-08-10          0    0   30    A      0
## 201  1.005872e+18 2020-08-12          0    0    7    A      0
## 202  1.005955e+19 2020-08-16          0    0    3    B      0
## 203  1.006249e+18 2020-08-14          0    0    1    A      0
## 204  1.007165e+17 2020-08-19          0    0    4    D      0
## 205  1.009207e+19 2020-08-15          0    0    1    A     40
## 206  1.009982e+19 2020-08-10          0    0    2    A      0
## 207  1.010711e+19 2020-08-16          0    0    3    A      0
## 208  1.010935e+19 2020-08-20          0    0   10    A      0
## 209  1.011329e+19 2020-08-12          0    0    4    A      0
## 210  1.011909e+19 2020-08-13          0    0   10    C     38
## 211  1.012045e+18 2020-08-11          0    0    2    B      0
## 212  1.012287e+19 2020-08-16          0    0   11    D     35
## 213  1.012948e+19 2020-08-20          0    0   97    A      0
## 214  1.013075e+19 2020-08-17          0    0    7    A    141
## 215  1.013240e+19 2020-08-16          0    0    5    A     39
## 216  1.013345e+19 2020-08-12          0    0   40    A     15
## 217  1.013576e+19 2020-08-20          0    0    1    D      0
## 218  1.013739e+19 2020-08-13          0    0    4    A     14
## 219  1.014826e+19 2020-08-15          0    0  172    C      0
## 220  1.014903e+19 2020-08-16          0    0    1    F      0
## 221  1.015857e+19 2020-08-11          0    0    1    B      0
## 222  1.016060e+18 2020-08-16          0    0   18    B      0
## 223  1.016226e+19 2020-08-19          0    0    1    G     70
## 224  1.016465e+19 2020-08-13          0    0    8    C     62
## 225  1.016638e+19 2020-08-15          0    0    2    A      0
## 226  1.016648e+19 2020-08-13          0    0   20    A     42
## 227  1.017929e+19 2020-08-10          0    0    4    D     85
## 228  1.018059e+19 2020-08-16          0    0   11    C     35
## 229  1.018948e+16 2020-08-14          0    0    1    A    141
```

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## 230   1.019323e+19 2020-08-14      0     0     5       G      51
## 231   1.019489e+19 2020-08-12      0     0     3       A       0
## 232   1.019938e+19 2020-08-18      0     0    44       A      37
## 233   1.019952e+19 2020-08-11      0     0     2       A       0
## 234   1.021440e+19 2020-08-10      0     0     7       B     141
## 235   1.021842e+19 2020-08-16      0     0     8       A       0
## 236   1.021971e+19 2020-08-10      0     0     1       A       0
## 237   1.023396e+19 2020-08-12      0     0     5       A       0
## 238   1.024183e+19 2020-08-14      0     0     8       A      62
## 239   1.024257e+19 2020-08-10      0     0     3       A       0
## 240   1.024352e+19 2020-08-16      0     0     4       D       0
## 241   1.025069e+18 2020-08-13      0     0     5       C      58
## 242   1.025304e+19 2020-08-12      0     0     6       C      15
## 243   1.025609e+19 2020-08-14      0     0     1       A     141
## 244   1.025639e+19 2020-08-14      0     0     3       D      95
## 245   1.025933e+19 2020-08-20      0     0     6       C      69
## 246   1.026046e+19 2020-08-15      0     0     3       A       0
## 247   1.026632e+19 2020-08-20      0     0    51       A       0
## 248   1.027546e+18 2020-08-14      0     0     1       A       0
## 249   1.027794e+19 2020-08-20      0     0     1       A      50
## 250   1.029271e+19 2020-08-16      0     0     6       G      49
## 251   1.029418e+19 2020-08-20      0     0     4       B      69
## 252   1.029725e+19 2020-08-13      0     0     9       A      14
## 253   1.031331e+19 2020-08-20      1   399    42       B       0
## 254   1.031436e+19 2020-08-18      0     0     2       A      10
## 255   1.031445e+19 2020-08-19      0     0     1       A       9
## 256   1.031982e+19 2020-08-16      0     0    11       B      49
## 257   1.033131e+19 2020-08-19      0     0     2       A       0
## 258   1.033334e+19 2020-08-16      0     0     4       A      30
## 259   1.033379e+19 2020-08-16      0     0     1       A      39
## 260   1.033498e+19 2020-08-17      0     0     1       A       0
## 261   1.033775e+19 2020-08-13      0     0     1       A      42
## 262   1.034374e+19 2020-08-16      0     0     1       A      54
## 263   1.035264e+19 2020-08-18      0     0     1       A       0
## 264   1.036330e+19 2020-08-14      0     0    35       A       0
## 265   1.036386e+19 2020-08-16      0     0     3       B       0
## 266   1.036406e+19 2020-08-18      0     0     1       A     141
## 267   1.036547e+19 2020-08-18      0     0     1       A       9
## 268   1.036935e+19 2020-08-11      0     0     1       A       0
## 269   1.037266e+19 2020-08-14      0     0    15       D       0
## 270   1.037341e+19 2020-08-13      0     0    12       A       0
## 271   1.037950e+19 2020-08-20      0     0    21       A      35
## 272   1.038355e+19 2020-08-13      0     0     4       D      96
## 273   1.039354e+19 2020-08-17      0     0     3       G     106
## 274   1.039438e+19 2020-08-13      0     0     6       A     141
## 275   1.039541e+19 2020-08-16      0     0    39       B      35
## 276   1.040247e+19 2020-08-17      0     0    14       G      48
## 277   1.040705e+19 2020-08-18      0     0     5       C       0
## 278   1.041032e+19 2020-08-19      1   739   108       C       0
## 279   1.041600e+19 2020-08-19      0     0     1       A       0
## 280   1.041695e+18 2020-08-14      0     0     4       A      85
## 281   1.042327e+19 2020-08-13      0     0     4       C       0
## 282   1.042461e+19 2020-08-15      0     0     2       G      36
## 283   1.042768e+19 2020-08-10      0     0    47       A       0
```

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## 284  1.042828e+19 2020-08-11        0      0      4      A      141
## 285  1.043305e+19 2020-08-13        0      0      4      A       65
## 286  1.043769e+19 2020-08-13        0      0      9      F        0
## 287  1.044483e+19 2020-08-15        0      0     27      B        0
## 288  1.044614e+18 2020-08-20        0      0      8      C        0
## 289  1.044680e+19 2020-08-10        0      0      4      A       17
## 290  1.045393e+18 2020-08-13        0      0      2      A        0
## 291  1.045530e+19 2020-08-10        0      0     37      A        0
## 292  1.045762e+19 2020-08-12        0      0     40      A        0
## 293  1.045868e+19 2020-08-11        0      0      1      A        0
## 294  1.046605e+19 2020-08-11        0      0      1      A        0
## 295  1.046846e+19 2020-08-20        0      0      4      D        0
## 296  1.047360e+19 2020-08-11        0      0      1      G       54
## 297  1.047807e+18 2020-08-11        1   3549      6      A        0
## 298  1.047852e+19 2020-08-19        0      0      7      A       51
## 299  1.047984e+19 2020-08-15        0      0      5      A      141
## 300  1.048022e+19 2020-08-14        0      0      1      A        0
## 301  1.048099e+19 2020-08-12        0      0      4      A        0
## 302  1.048623e+19 2020-08-20        0      0      2      D      131
## 303  1.048745e+19 2020-08-13        0      0     10      C        0
## 304  1.049204e+19 2020-08-16        0      0      2      A       12
## 305  1.049697e+19 2020-08-13        0      0     18      B       52
## 306  1.049947e+19 2020-08-19        0      0      5      A        0
## 307  1.050665e+19 2020-08-13        1    299      0      A        0
## 308  1.050779e+19 2020-08-11        0      0     22      A       17
## 309  1.051106e+19 2020-08-12        0      0     12      A        0
## 310  1.051232e+19 2020-08-12        0      0     23      A       91
## 311  1.051329e+19 2020-08-10        0      0      3      A        0
## 312  1.052009e+19 2020-08-11        0      0      4      A        0
## 313  1.052325e+19 2020-08-12        0      0      8      A        0
## 314  1.052922e+19 2020-08-14        0      0      5      C       57
## 315  1.053942e+19 2020-08-18        0      0      6      B       71
## 316  1.054139e+19 2020-08-10        0      0      5      B       41
## 317  1.054457e+19 2020-08-10        0      0      8      D       41
## 318  1.054497e+19 2020-08-20        0      0      7      A       50
## 319  1.055418e+19 2020-08-14        0      0      8      G      157
## 320  1.055465e+19 2020-08-10        0      0      1      F        0
## 321  1.055613e+19 2020-08-19        0      0     20      C      166
## 322  1.056307e+18 2020-08-14        0      0      5      B        0
## 323  1.056319e+19 2020-08-18        0      0      1      A       52
## 324  1.056985e+19 2020-08-16        0      0      1      A        0
## 325  1.058063e+19 2020-08-13        0      0      2      A        0
## 326  1.058184e+19 2020-08-13        0      0      7      C        0
## 327  1.058249e+19 2020-08-14        0      0      4      C       57
## 328  1.058779e+19 2020-08-13        0      0     10      C       16
## 329  1.059410e+19 2020-08-20        0      0      1      A        7
## 330  1.059425e+19 2020-08-20        0      0     20      D        0
## 331  1.059457e+19 2020-08-13        0      0      1      A       14
## 332  1.059505e+19 2020-08-19        0      0      9      C       81
## 333  1.059926e+19 2020-08-18        0      0      2      E        0
## 334  1.060605e+19 2020-08-14        0      0      9      A        0
## 335  1.060815e+19 2020-08-16        0      0      5      A       54
## 336  1.061532e+19 2020-08-10        0      0     23      B        5
## 337  1.061661e+19 2020-08-13        0      0      1      A       52
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## 338  1.062030e+19 2020-08-15          0      0      6        F        0
## 339  1.062140e+19 2020-08-19          0      0      1        A       27
## 340  1.062365e+19 2020-08-20          0      0     13        A        0
## 341  1.062585e+18 2020-08-17          0      0      1        A        0
## 342  1.062984e+19 2020-08-15          0      0      1        F       84
## 343  1.063516e+19 2020-08-11          0      0      6        C        0
## 344  1.063991e+19 2020-08-18          0      0      6        A        0
## 345  1.064497e+19 2020-08-14          0      0      2        A       41
## 346  1.065440e+19 2020-08-12          0      0     44     <NA>      132
## 347  1.065445e+19 2020-08-18          0      0      9     <NA>        0
## 348  1.065625e+19 2020-08-11          0      0      1     <NA>       16
## 349  1.065757e+19 2020-08-14          0      0      1        A       41
## 350  1.066502e+19 2020-08-19          0      0     15        C       81
## 351  1.066790e+19 2020-08-18          0      0      3        A       31
## 352  1.067666e+18 2020-08-18          0      0     10        C       33
## 353  1.067911e+18 2020-08-11          0      0      2        E        0
## 354  1.068063e+19 2020-08-15          0      0     14        F      105
## 355  1.068162e+19 2020-08-20          0      0      2        A       35
## 356  1.068220e+19 2020-08-13          0      0     12        A        0
## 357  1.069343e+19 2020-08-19          0      0      8        A       36
## 358  1.069543e+19 2020-08-10          1    259      2        A       45
## 359  1.069779e+19 2020-08-13          0      0      8        A        0
## 360  1.070489e+19 2020-08-13          0      0      3        A      141
## 361  1.070996e+19 2020-08-15          0      0     16        D       50
## 362  1.071301e+18 2020-08-18          0      0      7        A       37
## 363  1.071329e+19 2020-08-13          0      0      3        C        0
## 364  1.072628e+19 2020-08-10          0      0     38        B        0
## 365  1.072754e+19 2020-08-11          0      0     25        A        0
## 366  1.073125e+19 2020-08-11          0      0      8        C       42
## 367  1.073407e+19 2020-08-15          0      0      6        D       13
## 368  1.074816e+19 2020-08-11          0      0      2        A        0
## 369  1.075802e+19 2020-08-13          0      0      9        A        0
## 370  1.077426e+19 2020-08-16          0      0      4        D       49
## 371  1.077918e+19 2020-08-15          0      0      2        G       50
## 372  1.078012e+19 2020-08-20          0      0      1        A       50
## 373  1.078623e+19 2020-08-13          0      0     25        F       38
## 374  1.078688e+18 2020-08-12          1    679     23        C        0
## 375  1.078949e+19 2020-08-11          0      0     13        A        0
## 376  1.079024e+19 2020-08-12          0      0      1        A        0
## 377  1.079071e+19 2020-08-18          0      0      4        B        0
## 378  1.079210e+18 2020-08-15          0      0     15        F        0
## 379  1.079219e+19 2020-08-16          0      0     36        A        0
## 380  1.080234e+19 2020-08-20          0      0     37        B       69
## 381  1.080479e+19 2020-08-12          0      0     35        C        0
## 382  1.080721e+19 2020-08-20          0      0      8        A        0
## 383  1.080795e+19 2020-08-10          0      0      1        F       69
## 384  1.081495e+19 2020-08-17          0      0      3        A       53
## 385  1.081625e+19 2020-08-18          0      0     12        A        0
## 386  1.083913e+19 2020-08-13          0      0      1        A       88
## 387  1.084272e+19 2020-08-16          0      0     10        D       49
## 388  1.084463e+19 2020-08-19          0      0      6        F        0
## 389  1.085255e+19 2020-08-18          0      0      2        A       37
## 390  1.085485e+19 2020-08-13          0      0      1        A       14
## 391  1.085836e+19 2020-08-20          0      0      2        D        0
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## 392  1.086073e+19 2020-08-18      0      0      3      A       31
## 393  1.086840e+18 2020-08-19      0      0      1      A       27
## 394  1.087986e+19 2020-08-19      0      0      1      F       27
## 395  1.088348e+19 2020-08-13      0      0      2      A        0
## 396  1.088766e+19 2020-08-12      0      0      1      F       53
## 397  1.088843e+19 2020-08-17      0      0      1      E        0
## 398  1.088908e+19 2020-08-20      1   1119     44      A        0
## 399  1.088924e+19 2020-08-16      0      0      2      C       55
## 400  1.089836e+19 2020-08-17      0      0      5      D       32
## 401  1.091452e+19 2020-08-17      0      0     10      C       72
## 402  1.091536e+19 2020-08-10      0      0      2      F        0
## 403  1.093423e+19 2020-08-11      1   1599     13      A      141
## 404  1.094211e+19 2020-08-19      0      0      1      A        0
## 405  1.094262e+19 2020-08-15      0      0      1      A        0
## 406  1.095647e+19 2020-08-20      0      0      2      G      208
## 407  1.095972e+19 2020-08-12      0      0      6   <NA>        0
## 408  1.096752e+18 2020-08-16      0      0      2      A      104
## 409  1.096980e+19 2020-08-15      0      0     26      C       36
## 410  1.097588e+19 2020-08-15      0      0      7      C       50
## 411  1.097718e+18 2020-08-15      0      0      7      E       13
## 412  1.097800e+19 2020-08-18      0      0     20      A        9
## 413  1.097818e+19 2020-08-18      0      0      4      D      133
## 414  1.097918e+19 2020-08-17      0      0      3      A       53
## 415  1.098120e+19 2020-08-18      0      0      5      A        0
## 416  1.098362e+19 2020-08-16      0      0     16      C       11
## 417  1.098404e+19 2020-08-12      0      0     18      A       87
## 418  1.098489e+19 2020-08-13      0      0     14      C       38
## 419  1.098794e+19 2020-08-15      0      0      1      A       13
## 420  1.099615e+19 2020-08-20      0      0     10      B        0
## 421  1.099812e+19 2020-08-20      0      0      5      D        0
## 422  1.100118e+18 2020-08-16      0      0     14      C       55
## 423  1.100154e+19 2020-08-17      0      0      1      A       53
## 424  1.100985e+19 2020-08-10      0      0      6      A       65
## 425  1.101243e+19 2020-08-10      0      0      1      A        0
## 426  1.101624e+19 2020-08-19      0      0      3      A       30
## 427  1.101735e+19 2020-08-13      0      0      3      B       38
## 428  1.102369e+19 2020-08-17      0      0      5      B        0
## 429  1.102455e+19 2020-08-19      1    649     51      C      208
## 430  1.102898e+18 2020-08-13      0      0      1      B        0
## 431  1.103099e+18 2020-08-13      0      0      1   <NA>        0
## 432  1.103866e+19 2020-08-11      0      0      2      A      141
## 433  1.103871e+19 2020-08-10      0      0      4      A       45
## 434  1.104020e+19 2020-08-10      0      0      3      A        0
## 435  1.104199e+19 2020-08-12      0      0      1      A        0
## 436  1.105540e+19 2020-08-19      0      0      1      C        0
## 437  1.106255e+19 2020-08-14      0      0      1      A        0
## 438  1.106330e+19 2020-08-12      0      0      4      A        0
## 439  1.106573e+19 2020-08-12      0      0      6      A        0
## 440  1.106577e+19 2020-08-12      0      0      1      A      107
## 441  1.106742e+19 2020-08-14      0      0      1      E      132
## 442  1.107980e+19 2020-08-19      0      0      1      A       30
## 443  1.108024e+19 2020-08-14      0      0     31      A        0
## 444  1.108470e+19 2020-08-14      0      0     52      B       37
## 445  1.108985e+18 2020-08-16      0      0     31   <NA>      128
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## 446  1.109427e+19 2020-08-10    0    0     3    D       0
## 447  1.109674e+19 2020-08-12    0    0    10    F      43
## 448  1.109713e+19 2020-08-17    0    0     2    G      48
## 449  1.111059e+18 2020-08-19    0    0     1    A     141
## 450  1.111065e+19 2020-08-19    0    0    11    C      81
## 451  1.111128e+19 2020-08-13    0    0     5    B      76
## 452  1.111525e+19 2020-08-14    0    0     7 <NA>       2
## 453  1.111734e+18 2020-08-15    0    0     3    A       0
## 454  1.111765e+19 2020-08-14    0    0     6    B       0
## 455  1.112423e+19 2020-08-15    0    0    13    C      56
## 456  1.112698e+19 2020-08-20    0    0     7    B      31
## 457  1.112879e+19 2020-08-12    0    0     2    A       0
## 458  1.112946e+19 2020-08-12    0    0     1    A      89
## 459  1.113250e+19 2020-08-15    0    0     4    A       0
## 460  1.113575e+19 2020-08-16    0    0     1    A      12
## 461  1.116037e+19 2020-08-16    0    0     4    C       0
## 462  1.116154e+19 2020-08-19    0    0     6    A       0
## 463  1.116654e+19 2020-08-11    0    0    12    A       0
## 464  1.117033e+19 2020-08-11    0    0    12    D      40
## 465  1.118019e+19 2020-08-10    0    0    12    C       0
## 466  1.118073e+19 2020-08-11    0    0     7    F      44
## 467  1.118510e+19 2020-08-19    0    0    36    A       0
## 468  1.118545e+19 2020-08-10    0    0    50 <NA>      99
## 469  1.119149e+19 2020-08-10    0    0     8    C       0
## 470  1.119888e+19 2020-08-13    0    0    11    F       0
## 471  1.120241e+19 2020-08-12    0    0    15    A       0
## 472  1.124013e+19 2020-08-14    0    0     2    D     137
## 473  1.124429e+19 2020-08-17    0    0     1    A       0
## 474  1.124479e+19 2020-08-13    0    0     5    A      42
## 475  1.124875e+18 2020-08-14    0    0     2    A       0
## 476  1.125600e+18 2020-08-20    0    0     5 <NA>      26
## 477  1.126703e+19 2020-08-12    0    0     3    G     208
## 478  1.126866e+17 2020-08-10    0    0     3    D       0
## 479  1.127471e+19 2020-08-11    1  219     8    E       0
## 480  1.128529e+18 2020-08-10    0    0     2    F      17
## 481  1.129020e+19 2020-08-17    0    0    32    C       0
## 482  1.129328e+19 2020-08-20    0    0     1    A      50
## 483  1.130339e+19 2020-08-18    0    0    24    B      71
## 484  1.130901e+19 2020-08-11    0    0    11    A       0
## 485  1.130926e+19 2020-08-15    0    0     3    B       0
## 486  1.131830e+19 2020-08-16    0    0    63    A       0
## 487  1.132197e+18 2020-08-19    0    0     5    A       0
## 488  1.132974e+19 2020-08-15    0    0     4    A      40
## 489  1.133262e+19 2020-08-16    0    0    58    A      12
## 490  1.133900e+19 2020-08-18    0    0     2    D       0
## 491  1.134042e+19 2020-08-20    0    0     1    G     223
## 492  1.134686e+19 2020-08-13    0    0     2    A       0
## 493  1.134873e+18 2020-08-19    0    0     1    A       8
## 494  1.135077e+19 2020-08-12    0    0     8    A     108
## 495  1.135112e+19 2020-08-16    0    0     1    A      11
## 496  1.135331e+19 2020-08-15    0    0     4    C      12
## 497  1.135824e+19 2020-08-10    0    0     2    G      65
## 498  1.136142e+19 2020-08-20    1 1499    49    A      50
## 499  1.136275e+19 2020-08-15    0    0    11    A      40
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## 500  1.137603e+19 2020-08-13        0      0       4       F       83
## 501  1.137699e+19 2020-08-20        0      0       8       F       29
## 502  1.138664e+18 2020-08-19        0      0      14       A        0
## 503  1.139176e+19 2020-08-10        0      0      28       C        0
## 504  1.140012e+19 2020-08-14        0      0      80       A       14
## 505  1.140214e+19 2020-08-12        0      0       4       B      141
## 506  1.140660e+19 2020-08-16        0      0       2       A       39
## 507  1.140727e+19 2020-08-14        0      0      10       A        0
## 508  1.140975e+19 2020-08-11        0      0       5       A      141
## 509  1.141157e+19 2020-08-20        0      0       2       A        0
## 510  1.141637e+19 2020-08-15        0      0      35       B        0
## 511  1.141747e+19 2020-08-12        0      0      49       B       39
## 512  1.142372e+19 2020-08-12        0      0      18       D        0
## 513  1.142542e+19 2020-08-20        0      0       4       B        0
## 514  1.143217e+19 2020-08-14        0      0       7       A       41
## 515  1.143839e+19 2020-08-17        0      0       2       G        0
## 516  1.144552e+19 2020-08-15        0      0       3       C       56
## 517  1.145655e+19 2020-08-12        0      0      15       C      125
## 518  1.146255e+19 2020-08-10        0      0       2       A        0
## 519  1.147049e+19 2020-08-12        0      0      28       A        0
## 520  1.147093e+19 2020-08-11        0      0       1       A       44
## 521  1.148266e+18 2020-08-13        0      0       2       A       62
## 522  1.148689e+19 2020-08-15        0      0       1       D       40
## 523  1.149133e+18 2020-08-19        0      0       2       D        0
## 524  1.150370e+19 2020-08-20        0      0       1       A        0
## 525  1.150885e+18 2020-08-16        0      0       7       A        0
## 526  1.151640e+19 2020-08-11        0      0       6       A        0
## 527  1.152452e+19 2020-08-18        0      0       3       A        0
## 528  1.152498e+19 2020-08-17        0      0       1       A       38
## 529  1.153103e+19 2020-08-13        0      0       3       F       86
## 530  1.153435e+19 2020-08-18        0      0      19       B        0
## 531  1.153584e+19 2020-08-12        0      0      17    <NA>        0
## 532  1.154187e+19 2020-08-17        0      0       4       B       72
## 533  1.154218e+19 2020-08-20        0      0      18       D       31
## 534  1.154274e+19 2020-08-13        0      0       3       A        0
## 535  1.154982e+19 2020-08-18        0      0       2       A       52
## 536  1.155165e+19 2020-08-12        0      0      24       G       53
## 537  1.155566e+19 2020-08-15        0      0       4       A        0
## 538  1.155870e+19 2020-08-18        0      0      36       A        0
## 539  1.156060e+19 2020-08-11        0      0      24       B        0
## 540  1.156622e+19 2020-08-12        0      0      18       A       15
## 541  1.156657e+19 2020-08-16        0      0       1       A        0
## 542  1.157100e+19 2020-08-16        0      0       6       G       49
## 543  1.157439e+19 2020-08-20        0      0       4       G      151
## 544  1.158290e+18 2020-08-18        0      0       2       A        0
## 545  1.159905e+19 2020-08-10        0      0      12       A        0
## 546  1.160376e+19 2020-08-16        0      0       8       A        0
## 547  1.163807e+19 2020-08-10        0      0       1       A        0
## 548  1.164829e+19 2020-08-19        0      0      41       A        0
## 549  1.164913e+19 2020-08-18        0      0       2       A        0
## 550  1.165130e+19 2020-08-14        0      0      18       A        0
## 551  1.165172e+19 2020-08-10        0      0      12       A       70
## 552  1.165500e+19 2020-08-10        0      0       9       A        0
## 553  1.165887e+18 2020-08-20        0      0       4       A      141
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## 554   1.166039e+19 2020-08-13      0      0      5      C      0
## 555   1.166284e+18 2020-08-18      0      0      4      A      0
## 556   1.166351e+19 2020-08-12      0      0      1      F     43
## 557   1.166471e+19 2020-08-12      0      0      7      A      0
## 558   1.166624e+19 2020-08-16      0      0      3      A     33
## 559   1.167759e+19 2020-08-10      0      0      7      A    110
## 560   1.167988e+19 2020-08-13      0      0     13      A      0
## 561   1.168058e+19 2020-08-14      0      0      7      E     14
## 562   1.168240e+19 2020-08-14      0      0      1      A    141
## 563   1.168448e+19 2020-08-14      0      0      3      A      0
## 564   1.169547e+19 2020-08-18      0      0      1      D      0
## 565   1.169962e+19 2020-08-19      0      0     13      A     27
## 566   1.171549e+19 2020-08-17      0      0     25      A     11
## 567   1.171790e+19 2020-08-16      0      0     19      A    130
## 568   1.171831e+19 2020-08-10      0      0     50      F     41
## 569   1.171839e+19 2020-08-20      0      0      3      A      0
## 570   1.171930e+19 2020-08-18      0      0      1      F    141
## 571   1.172078e+19 2020-08-11      0      0      1      A      0
## 572   1.172136e+19 2020-08-14      0      0     39      A      0
## 573   1.172294e+19 2020-08-16      0      0     20      C      0
## 574   1.173086e+19 2020-08-16      0      0     25      B      0
## 575   1.173264e+19 2020-08-16      0      0      9      A     54
## 576   1.174424e+19 2020-08-14      0      0      4      B      0
## 577   1.175164e+19 2020-08-18      0      0      3      G     71
## 578   1.175305e+19 2020-08-11      0      0      1      A      0
## 579   1.175506e+19 2020-08-16      0      0     70      A      0
## 580   1.176612e+19 2020-08-14      0      0      1   <NA>     81
## 581   1.176847e+19 2020-08-12      0      0      1      A     15
## 582   1.177027e+19 2020-08-16      0      0      6   <NA>      0
## 583   1.177104e+19 2020-08-19      0      0      4      C      8
## 584   1.177367e+19 2020-08-13      0      0      1      A      0
## 585   1.178001e+18 2020-08-11      0      0      1      A     90
## 586   1.178140e+19 2020-08-15      0      0     42      C     81
## 587   1.178686e+19 2020-08-15      0      0      1      F     14
## 588   1.178712e+19 2020-08-16      0      0      8      A    141
## 589   1.179008e+19 2020-08-15      0      0      1      A      0
## 590   1.179260e+19 2020-08-11      0      0      8      G    208
## 591   1.179749e+19 2020-08-20      0      0      4      C     31
## 592   1.180384e+19 2020-08-19      0      0      1      B      0
## 593   1.180851e+19 2020-08-11      2   1398     25      B      0
## 594   1.180935e+19 2020-08-14      0      0     13      A      0
## 595   1.181287e+19 2020-08-17      0      0      6      A      0
## 596   1.181719e+19 2020-08-17      0      0      1      B     34
## 597   1.182016e+19 2020-08-10      0      0      3      B      0
## 598   1.182041e+19 2020-08-18      0      0     25      C     81
## 599   1.182341e+19 2020-08-17      0      0      4      A      0
## 600   1.183181e+19 2020-08-11      0      0      5      A    109
## 601   1.183554e+18 2020-08-12      0      0     26      B      3
## 602   1.184557e+19 2020-08-12      0      0      4      A     91
## 603   1.184825e+19 2020-08-14      0      0      9      A     13
## 604   1.185835e+19 2020-08-13      0      0      4      D      0
## 605   1.187803e+19 2020-08-16      0      0      9      A     30
## 606   1.188573e+19 2020-08-12      0      0     37      A      0
## 607   1.188738e+19 2020-08-19      0      0      3      B     70
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## 608  1.189332e+19 2020-08-20        0     0    29       D        0
## 609  1.189856e+19 2020-08-15        0     0    37       F       50
## 610  1.190105e+19 2020-08-14        0     0     8       A        0
## 611  1.190133e+18 2020-08-19        0     0     9       D        0
## 612  1.190186e+18 2020-08-12        0     0     4       D       97
## 613  1.190380e+19 2020-08-13        0     0    22       A       42
## 614  1.192116e+19 2020-08-13        0     0     1       G      110
## 615  1.192720e+19 2020-08-12        0     0    10       B        0
## 616  1.192902e+19 2020-08-19        0     0     4       A       36
## 617  1.193040e+19 2020-08-12        0     0     1       E        0
## 618  1.193397e+19 2020-08-18        0     0     8       C        0
## 619  1.193459e+19 2020-08-10        0     0     3       A      110
## 620  1.193926e+19 2020-08-12        0     0    13       C       81
## 621  1.194131e+19 2020-08-18        0     0     3       A      102
## 622  1.194638e+19 2020-08-16        0     0     8       A        0
## 623  1.194712e+19 2020-08-19        0     0    19       D       30
## 624  1.194799e+19 2020-08-14        0     0     6       C      123
## 625  1.194866e+19 2020-08-15        0     0     3       D        0
## 626  1.195019e+19 2020-08-10        0     0     9       C      208
## 627  1.195075e+19 2020-08-11        0     0    20       C        0
## 628  1.195279e+19 2020-08-20        0     0    24       A       26
## 629  1.195748e+19 2020-08-15        0     0     6       A        0
## 630  1.196039e+19 2020-08-11        0     0     4       A        0
## 631  1.196263e+19 2020-08-15        0     0     2       E        0
## 632  1.196454e+18 2020-08-10        0     0    12       F        0
## 633  1.196576e+18 2020-08-10        0     0    15    <NA>        0
## 634  1.196704e+19 2020-08-14        0     0     2       A       13
## 635  1.196861e+18 2020-08-19        0     0    21       A       27
## 636  1.197587e+19 2020-08-20        0     0     5       A        0
## 637  1.199154e+19 2020-08-20        0     0     1       A        8
## 638  1.199550e+19 2020-08-17        0     0     4       A       10
## 639  1.199848e+18 2020-08-15        0     0     6       D        0
## 640  1.200637e+19 2020-08-10        0     0     2       A        0
## 641  1.200669e+19 2020-08-11        0     0     4       B       40
## 642  1.201260e+19 2020-08-19        0     0     3       A       30
## 643  1.201523e+19 2020-08-11        0     0     1       D        0
## 644  1.201530e+19 2020-08-12        0     0     9       C        0
## 645  1.201637e+19 2020-08-16        0     0     4       G      223
## 646  1.202400e+19 2020-08-15        0     0     2       A       31
## 647  1.202494e+18 2020-08-17        0     0    13       C        0
## 648  1.202662e+19 2020-08-17        0     0    36       A        0
## 649  1.203411e+19 2020-08-20        0     0     3       F        0
## 650  1.203451e+19 2020-08-17        0     0     2       A        0
## 651  1.204611e+19 2020-08-18        0     0     5       A        9
## 652  1.204927e+19 2020-08-19        0     0     5       A       51
## 653  1.206141e+19 2020-08-14        0     0     4       B        0
## 654  1.206357e+18 2020-08-17        0     0     1       A       11
## 655  1.207122e+19 2020-08-20        0     0     1       A        0
## 656  1.207206e+19 2020-08-17        0     0     1       A        0
## 657  1.207724e+19 2020-08-12        0     0     2       A      141
## 658  1.208112e+18 2020-08-12        0     0    14       C        0
## 659  1.209478e+18 2020-08-18        0     0     5       A        0
## 660  1.209734e+19 2020-08-20        0     0     1       A        0
## 661  1.210258e+19 2020-08-16        0     0     3       A       30
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## 662  1.210387e+19 2020-08-12      0      0      8      A      0
## 663  1.211565e+19 2020-08-13      0      0     11      A      0
## 664  1.211593e+19 2020-08-20      0      0      1      E      0
## 665  1.212111e+19 2020-08-18      0      0      4      A      0
## 666  1.212295e+19 2020-08-14      0      0      1      F      0
## 667  1.213575e+19 2020-08-12      0      0      2      A     87
## 668  1.214053e+19 2020-08-15      0      0      5      A     65
## 669  1.214528e+19 2020-08-14      0      0     12      A      0
## 670  1.216370e+19 2020-08-14      0      0      3      D      0
## 671  1.216598e+19 2020-08-16      0      0      9      C     55
## 672  1.216646e+18 2020-08-12      0      0      8      A      0
## 673  1.216698e+19 2020-08-15      0      0      1      A      0
## 674  1.216810e+19 2020-08-15      0      0      1      C    208
## 675  1.217273e+19 2020-08-15      0      0     41      A     13
## 676  1.217404e+19 2020-08-10      0      0     12      A      0
## 677  1.218309e+19 2020-08-18      0      0     14      C    119
## 678  1.218447e+19 2020-08-10      0      0      1      A      0
## 679  1.218563e+19 2020-08-11      0      0      6      A      0
## 680  1.218778e+18 2020-08-11      0      0      3      A      0
## 681  1.219046e+19 2020-08-19      1    859     14      C      0
## 682  1.219624e+19 2020-08-11      0      0      1      A      0
## 683  1.220489e+19 2020-08-13      1    899      5      C     14
## 684  1.220689e+19 2020-08-19      0      0     18      B     81
## 685  1.220932e+19 2020-08-18      1    239      3      E      0
## 686  1.221255e+19 2020-08-13      0      0      1      A      0
## 687  1.221672e+19 2020-08-12      0      0      3      A      0
## 688  1.222896e+19 2020-08-17      0      0      1      A      0
## 689  1.223083e+19 2020-08-13      0      0      8      C     38
## 690  1.223765e+19 2020-08-20      0      0     21      A      0
## 691  1.224600e+19 2020-08-15      0      0      1      A     14
## 692  1.224857e+19 2020-08-14      0      0      2      A     41
## 693  1.226396e+19 2020-08-16      0      0      3      A      0
## 694  1.226851e+19 2020-08-19      1    358      4      D     32
## 695  1.228758e+17 2020-08-20      0      0     35      C      0
## 696  1.228905e+19 2020-08-10      0      0     35      F     55
## 697  1.229502e+19 2020-08-20      1    739    169      C      0
## 698  1.229795e+18 2020-08-12      0      0     29      F     39
## 699  1.229892e+19 2020-08-14      0      0      5      A     62
## 700  1.230009e+19 2020-08-20      0      0      4      A      7
## 701  1.230248e+19 2020-08-18      0      0      4      C      0
## 702  1.230350e+19 2020-08-11      0      0     13      F     44
## 703  1.230638e+19 2020-08-13      0      0     12      B     38
## 704  1.230688e+19 2020-08-15      0      0      9      A      0
## 705  1.231161e+19 2020-08-15      0      0      1      A     13
## 706  1.232010e+19 2020-08-16      0      0      1      A      0
## 707  1.232041e+19 2020-08-19      1   1299     25      A     36
## 708  1.232268e+19 2020-08-12      0      0      4      A      0
## 709  1.232368e+19 2020-08-16      0      0      1      G     35
## 710  1.232668e+18 2020-08-11      0      0     10      C     92
## 711  1.232784e+19 2020-08-20      0      0     22      B     31
## 712  1.232856e+19 2020-08-18      0      0     18      D     31
## 713  1.233292e+19 2020-08-16      0      0      1      D      0
## 714  1.233758e+19 2020-08-16      0      0     17      C     81
## 715  1.233972e+19 2020-08-17      1    358      5      D     34
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## 716  1.234116e+19 2020-08-11         0    0     5       A     92
## 717  1.234294e+19 2020-08-16         0    0     2       A     54
## 718  1.234332e+19 2020-08-15         0    0     1       A      0
## 719  1.234639e+19 2020-08-15         0    0    19       C     36
## 720  1.234872e+19 2020-08-10         0    0    42       A      0
## 721  1.234892e+19 2020-08-10         0    0    10       A      0
## 722  1.234970e+19 2020-08-18         0    0     8       C     71
## 723  1.235130e+19 2020-08-17         0    0     1       B      0
## 724  1.235165e+19 2020-08-13         0    0     3       A     62
## 725  1.235350e+18 2020-08-17         0    0     9       C      0
## 726  1.235447e+19 2020-08-12         0    0     2       A      0
## 727  1.235579e+19 2020-08-14         1  639    19       F     41
## 728  1.237055e+19 2020-08-16         0    0    33       B     49
## 729  1.238393e+19 2020-08-16         0    0    20    <NA>      0
## 730  1.239775e+19 2020-08-12         0    0     5       A      0
## 731  1.240619e+19 2020-08-13         0    0    13       A      0
## 732  1.240771e+19 2020-08-15         0    0     2       A    141
## 733  1.241765e+19 2020-08-10         0    0     6       A     93
## 734  1.241816e+19 2020-08-17         0    0     1       A     84
## 735  1.242034e+19 2020-08-20         0    0     5       A      0
## 736  1.242582e+19 2020-08-19         0    0     1       A     30
## 737  1.242940e+19 2020-08-15         0    0    11       C     36
## 738  1.243128e+19 2020-08-10         0    0    24       A      0
## 739  1.244679e+19 2020-08-14         0    0     1       A      0
## 740  1.245133e+19 2020-08-19         0    0     5       D      0
## 741  1.245992e+19 2020-08-13         0    0     8       A      0
## 742  1.246133e+19 2020-08-16         0    0    11       A     39
## 743  1.246165e+19 2020-08-17         0    0     2       A    103
## 744  1.248020e+19 2020-08-17         0    0    13       D      0
## 745  1.248124e+19 2020-08-16         0    0     1       A     39
## 746  1.248231e+19 2020-08-11         0    0     7       B      0
## 747  1.248296e+19 2020-08-17         0    0     8       A     53
## 748  1.249374e+19 2020-08-12         0    0     2       A      0
## 749  1.249474e+19 2020-08-18         0    0     7       A     52
## 750  1.249730e+19 2020-08-15         0    0     2       A     31
## 751  1.249786e+19 2020-08-15         0    0     3       G     50
## 752  1.249965e+19 2020-08-17         0    0     8       F      0
## 753  1.250785e+19 2020-08-10         0    0    22       A      0
## 754  1.251159e+19 2020-08-12         0    0    25       A      0
## 755  1.252130e+18 2020-08-20         0    0     4       C     81
## 756  1.252549e+19 2020-08-18         0    0     1       A     28
## 757  1.253973e+19 2020-08-18         0    0     5       A      0
## 758  1.255748e+19 2020-08-15         0    0    10       C      0
## 759  1.255778e+19 2020-08-16         0    0     4       B      0
## 760  1.255828e+19 2020-08-10         0    0     5       A     93
## 761  1.256122e+19 2020-08-11         0    0     3       A    109
## 762  1.257119e+19 2020-08-14         0    0     6       B      0
## 763  1.257340e+19 2020-08-20         0    0     5       A      8
## 764  1.258694e+19 2020-08-16         0    0     2       A     11
## 765  1.258837e+18 2020-08-11         0    0     1       A      0
## 766  1.258921e+19 2020-08-10         1  229    31       A      0
## 767  1.259170e+19 2020-08-18         0    0    41       C      0
## 768  1.259829e+19 2020-08-19         0    0     5       A     27
## 769  1.260223e+19 2020-08-12         0    0     7       F    108
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## 770  1.261164e+19 2020-08-20      0      0    14      A    126
## 771  1.262261e+19 2020-08-11      0      0     2      A      0
## 772  1.263129e+19 2020-08-15      0      0     5      A     65
## 773  1.263233e+19 2020-08-17      0      0     7      C      0
## 774  1.263598e+18 2020-08-13      0      0     8      D      0
## 775  1.264179e+19 2020-08-11      0      0     1      A      0
## 776  1.264298e+19 2020-08-13      0      0     5      F      0
## 777  1.264478e+19 2020-08-12      0      0     1      A      0
## 778  1.264721e+19 2020-08-12      0      0     5      F    141
## 779  1.264903e+19 2020-08-10      0      0     5      A    141
## 780  1.265787e+19 2020-08-10      0      0     3      A      0
## 781  1.266308e+18 2020-08-17      0      0    40      A     10
## 782  1.266616e+19 2020-08-16      0      0     3      A     39
## 783  1.267093e+19 2020-08-10      0      0     2      A      0
## 784  1.267153e+19 2020-08-15      0      0     2      B      0
## 785  1.267225e+19 2020-08-14      0      0     1      A     62
## 786  1.268418e+19 2020-08-20      0      0    15      A      0
## 787  1.268909e+19 2020-08-19      0      0    32   <NA>    125
## 788  1.269505e+17 2020-08-18      0      0    11      A     28
## 789  1.270053e+17 2020-08-10      0      0    15      A      0
## 790  1.271459e+17 2020-08-11      0      0     4      F     18
## 791  1.271707e+19 2020-08-18      0      0     1      A     28
## 792  1.271797e+19 2020-08-13      0      0    29      C      0
## 793  1.272802e+19 2020-08-18      0      0    47      A      0
## 794  1.273618e+19 2020-08-14      0      0    14      B      0
## 795  1.273873e+19 2020-08-13      0      0    16   <NA>      0
## 796  1.274133e+19 2020-08-17      0      0     1      A      0
## 797  1.274265e+19 2020-08-12      0      0     1      B     39
## 798  1.274523e+19 2020-08-11      0      0     2      D      0
## 799  1.274750e+19 2020-08-17      0      0     8      A      0
## 800  1.274830e+19 2020-08-17      0      0     9   <NA>      0
## 801  1.275290e+19 2020-08-20      0      0    13      B     45
## 802  1.277076e+19 2020-08-12      0      0     4      A      0
## 803  1.277159e+19 2020-08-16      0      0     1      A      0
## 804  1.277187e+19 2020-08-10      0      0     6      A      0
## 805  1.279051e+18 2020-08-10      0      0     3      A     45
## 806  1.280310e+19 2020-08-13      0      0     1      A      0
## 807  1.281149e+19 2020-08-13      0      0     2      A     42
## 808  1.281285e+19 2020-08-20      0      0    11      A     35
## 809  1.281593e+19 2020-08-16      0      0     5      A      0
## 810  1.282146e+19 2020-08-18      0      0     5      B     33
## 811  1.282321e+19 2020-08-20      0      0     4      D     69
## 812  1.282548e+19 2020-08-18      0      0     1      A     52
## 813  1.282679e+19 2020-08-10      0      0     9      A     93
## 814  1.283339e+19 2020-08-15      0      0     1      A     12
## 815  1.283876e+17 2020-08-10      0      0     5      B      0
## 816  1.284235e+19 2020-08-11      0      0    11      C     81
## 817  1.284375e+19 2020-08-11      0      0     2      D     44
## 818  1.284452e+19 2020-08-16      0      0     6      A     39
## 819  1.284707e+18 2020-08-17      0      0     2      D    134
## 820  1.284996e+19 2020-08-19      0      0     7      G     46
## 821  1.286040e+19 2020-08-10      0      0    12      A      0
## 822  1.286298e+19 2020-08-16      0      0     5      A    141
## 823  1.286393e+19 2020-08-16      0      0    37      A      0
```

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## 824  1.286836e+18 2020-08-19       0       0       4       A       8
## 825  1.288082e+19 2020-08-13       0       0       4       A       0
## 826  1.288530e+19 2020-08-16       0       0       1       A      54
## 827  1.288809e+19 2020-08-20       0       0       1       A       0
## 828  1.288966e+19 2020-08-12       0       0       4       C     208
## 829  1.289294e+19 2020-08-16       0       0       1       A       0
## 830  1.289921e+18 2020-08-11       0       0       4       A       0
## 831  1.291306e+19 2020-08-13       0       0       4       D      52
## 832  1.291431e+19 2020-08-10       0       0       4       A       0
## 833  1.292583e+19 2020-08-20       0       0      22       A     126
## 834  1.293307e+19 2020-08-12       0       0       1       D      39
## 835  1.293622e+19 2020-08-13       0       0       9       A       0
## 836  1.294437e+19 2020-08-11       0       0      32       A       0
## 837  1.294812e+19 2020-08-15       0       0       3       D      56
## 838  1.295209e+19 2020-08-18       0       0      11       A       0
## 839  1.295236e+19 2020-08-18       0       0       3       A      37
## 840  1.296616e+19 2020-08-13       0       0       3       A      14
## 841  1.296851e+19 2020-08-20       0       0       4       D      69
## 842  1.298211e+19 2020-08-17       0       0       2       A     141
## 843  1.298352e+19 2020-08-11       0       0      11       F       0
## 844  1.298710e+19 2020-08-19       0       0      47       C       8
## 845  1.299140e+19 2020-08-11       0       0       1       A       0
## 846  1.299596e+19 2020-08-14       0       0       3       A       0
## 847  1.301746e+18 2020-08-14       0       0      32       B      51
## 848  1.301840e+19 2020-08-19       0       0       1       A      36
## 849  1.302313e+19 2020-08-20       0       0       6       A      29
## 850  1.302608e+17 2020-08-15       0       0       9       C      81
## 851  1.302638e+19 2020-08-19       0       0       2       D      70
## 852  1.303627e+19 2020-08-17       0       0      16       C      48
## 853  1.304402e+19 2020-08-16       0       0       6       A       0
## 854  1.304593e+19 2020-08-10       0       0       1       A       0
## 855  1.304832e+19 2020-08-16       0       0      16       B       0
## 856  1.305866e+19 2020-08-19       0       0       4       F     100
## 857  1.306506e+19 2020-08-15       0       0       2       A      40
## 858  1.306963e+19 2020-08-13       0       0      22       B      52
## 859  1.307177e+19 2020-08-18       0       0       9       C     208
## 860  1.307469e+19 2020-08-14       0       0       4       G     208
## 861  1.307997e+18 2020-08-14       0       0       9       C      57
## 862  1.308840e+19 2020-08-10       0       0      12       A       0
## 863  1.309810e+19 2020-08-17       0       0       1       A       0
## 864  1.310090e+19 2020-08-19       0       0       1       A      27
## 865  1.310308e+19 2020-08-12       0       0       2       A      91
## 866  1.310925e+19 2020-08-17       0       0       5       A       0
## 867  1.311257e+19 2020-08-17       0       0       2       A       0
## 868  1.311919e+18 2020-08-11       0       0       5       C       0
## 869  1.312433e+19 2020-08-17       0       0       1       A     141
## 870  1.313111e+19 2020-08-20       0       0      19       A       0
## 871  1.314024e+19 2020-08-18       0       0       7       D       0
## 872  1.314469e+19 2020-08-12       0       0      13       A     134
## 873  1.314890e+19 2020-08-13       0       0       1       A      14
## 874  1.315810e+19 2020-08-11       0       0       9       C      54
## 875  1.315855e+19 2020-08-15       1     399      23       B       0
## 876  1.316069e+19 2020-08-12       0       0      18       A      43
## 877  1.316174e+19 2020-08-11       0       0       2       B       0
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## 878  1.316294e+19 2020-08-16        0   0    4        D        0
## 879  1.316943e+19 2020-08-18        0   0    1        G        0
## 880  1.317966e+19 2020-08-19        0   0    2        A       51
## 881  1.317977e+19 2020-08-19        0   0   38        B       70
## 882  1.318815e+19 2020-08-17        0   0    2        A        0
## 883  1.319046e+19 2020-08-16        0   0    1        A       30
## 884  1.319623e+19 2020-08-14        0   0   38        A        0
## 885  1.319834e+19 2020-08-14        0   0    2        A      105
## 886  1.320867e+19 2020-08-20        0   0    3        A        7
## 887  1.321205e+19 2020-08-10        0   0    1        A       65
## 888  1.321286e+19 2020-08-12        0   0    1        A        0
## 889  1.321815e+19 2020-08-14        0   0    1        D        0
## 890  1.322594e+19 2020-08-10        0   0    2        A        0
## 891  1.323350e+19 2020-08-12        0   0    3        A        0
## 892  1.323794e+18 2020-08-14        0   0    7        D       51
## 893  1.323817e+19 2020-08-13        0   0   28        B        0
## 894  1.323853e+19 2020-08-12        0   0   36        A       91
## 895  1.324269e+19 2020-08-16        0   0   28        B        0
## 896  1.325049e+19 2020-08-12        0   0    4        A       53
## 897  1.325834e+19 2020-08-14        0   0    1        A       15
## 898  1.326269e+19 2020-08-17        0   0    2        A       38
## 899  1.326426e+18 2020-08-16        0   0    1        A       39
## 900  1.326757e+19 2020-08-15        0   0    1        F       40
## 901  1.327024e+19 2020-08-12        0   0    3        B        0
## 902  1.327241e+19 2020-08-12        0   0    5        A        0
## 903  1.328417e+19 2020-08-11        0   0    1        A       18
## 904  1.331295e+19 2020-08-17        0   0    6        A       32
## 905  1.331523e+19 2020-08-11        0   0    1        D        0
## 906  1.331527e+19 2020-08-11        0   0   14        A        0
## 907  1.332711e+19 2020-08-11        0   0    5        A        0
## 908  1.333928e+19 2020-08-19        0   0    1        A        0
## 909  1.333952e+18 2020-08-18        0   0    1        A        0
## 910  1.334541e+19 2020-08-16        0   0    6        A       12
## 911  1.335304e+19 2020-08-17        0   0    1        A        0
## 912  1.335450e+19 2020-08-13        0   0    3        B        0
## 913  1.335973e+19 2020-08-19        0   0    4        A        0
## 914  1.336067e+19 2020-08-11        0   0    5        A        0
## 915  1.336145e+19 2020-08-10        0   0   18        C       43
## 916  1.336234e+19 2020-08-19        0   0    2        A        0
## 917  1.337845e+19 2020-08-12        0   0    1        A        0
## 918  1.338083e+19 2020-08-17        0   0    9        C      208
## 919  1.338490e+19 2020-08-15        0   0   11        A       12
## 920  1.338741e+19 2020-08-19        0   0   11        C       32
## 921  1.338937e+19 2020-08-20        0   0    3        A        0
## 922  1.339946e+19 2020-08-19        0   0    4        A        0
## 923  1.341173e+19 2020-08-15        0   0   30        A        0
## 924  1.341381e+19 2020-08-10        0   0    5        B        0
## 925  1.341440e+19 2020-08-12        0   0    4        G      208
## 926  1.342863e+19 2020-08-14        0   0    5     <NA>       13
## 927  1.342938e+19 2020-08-13        0   0    9        F      107
## 928  1.343006e+19 2020-08-15        0   0   24        A        0
## 929  1.344000e+19 2020-08-13        0   0    4        E       15
## 930  1.344120e+19 2020-08-12        0   0    2        A       16
## 931  1.344500e+19 2020-08-17        0   0   11        D       11
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## 932  1.344782e+19 2020-08-14          0        0        3        C        0
## 933  1.345094e+19 2020-08-17          0        0        7        A        0
## 934  1.345475e+19 2020-08-12          0        0       77        A       89
## 935  1.346551e+19 2020-08-18          0        0        6        A        0
## 936  1.346786e+19 2020-08-11          0        0        3        A       44
## 937  1.349431e+19 2020-08-15          0        0        7        A        0
## 938  1.350313e+19 2020-08-11          0        0        1        B      141
## 939  1.350317e+18 2020-08-19          0        0       26        A        9
## 940  1.350377e+19 2020-08-12          0        0       12        D        0
## 941  1.350401e+19 2020-08-13          0        0        1        A       42
## 942  1.351422e+19 2020-08-14          0        0       21        B       81
## 943  1.352173e+19 2020-08-11          0        0        4        G       81
## 944  1.352877e+19 2020-08-20          0        0       45        B       31
## 945  1.353681e+19 2020-08-11          0        0        7        C       16
## 946  1.353833e+19 2020-08-17          0        0       12        C       81
## 947  1.353934e+18 2020-08-18          0        0        2        A       52
## 948  1.354412e+19 2020-08-17          0        0       19        B        0
## 949  1.354472e+19 2020-08-19          0        0        2        A       51
## 950  1.355768e+19 2020-08-16          0        0       19        B        0
## 951  1.355903e+19 2020-08-19          0        0       11        A        0
## 952  1.357278e+19 2020-08-12          0        0       20        B       81
## 953  1.358353e+19 2020-08-12          0        0        1        E        0
## 954  1.359037e+19 2020-08-16          0        0        6        A       55
## 955  1.360242e+19 2020-08-15          0        0       10        A       31
## 956  1.360284e+19 2020-08-16          0        0        1        A       30
## 957  1.361474e+19 2020-08-20          0        0       25        A       50
## 958  1.362305e+19 2020-08-14          0        0        7        D        0
## 959  1.362598e+19 2020-08-20          0        0        2        A       35
## 960  1.362776e+19 2020-08-20          0        0       16        C       31
## 961  1.363539e+19 2020-08-13          0        0        1        A       15
## 962  1.364173e+19 2020-08-17          0        0       18        C       72
## 963  1.365290e+19 2020-08-16          0        0        1        A      104
## 964  1.365614e+19 2020-08-18          0        0       10        A        0
## 965  1.366139e+19 2020-08-15          0        0        7        A        0
## 966  1.366819e+19 2020-08-13          0        0        7        C       52
## 967  1.367685e+19 2020-08-16          0        0        5        D       12
## 968  1.367948e+19 2020-08-19          0        0       16        G       70
## 969  1.368080e+19 2020-08-11          0        0        9        A        0
## 970  1.368622e+19 2020-08-20          0        0        9        C        7
## 971  1.368824e+19 2020-08-11          0        0        4        A      109
## 972  1.370092e+19 2020-08-16          0        0        5        A        0
## 973  1.371381e+18 2020-08-17          0        0        2        A      102
## 974  1.372380e+19 2020-08-13          0        0       22        C        0
## 975  1.372549e+19 2020-08-12          0        0       27        B       39
## 976  1.372826e+19 2020-08-17          0        0        8        E       11
## 977  1.373045e+18 2020-08-16          0        0        1        E        0
## 978  1.373281e+18 2020-08-12          0        0       11        F        0
## 979  1.373327e+19 2020-08-20          0        0        3        D       45
## 980  1.373349e+19 2020-08-14          0        0        3        A       41
## 981  1.373421e+19 2020-08-17          0        0        2        A       10
## 982  1.374011e+19 2020-08-16          0        0       22        C      166
## 983  1.374302e+19 2020-08-10          0        0        4        A        0
## 984  1.374388e+19 2020-08-12          0        0        2        B       39
## 985  1.374389e+19 2020-08-12          0        0        2        A      108
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## 986  1.374493e+19 2020-08-12      0     0    1        A       0
## 987  1.375698e+19 2020-08-17      0     0   20        C       0
## 988  1.375858e+19 2020-08-11      0     0   30        B      40
## 989  1.376169e+17 2020-08-20      0     0    3        G     151
## 990  1.376251e+19 2020-08-15      1   599   12        B      10
## 991  1.378147e+19 2020-08-17      1   899   11        C       0
## 992  1.379261e+19 2020-08-19      0     0   41        C      32
## 993  1.379515e+19 2020-08-19      0     0    4        A       0
## 994  1.379605e+19 2020-08-17      0     0    1        A      53
## 995  1.379776e+19 2020-08-15      0     0    4        C      56
## 996  1.379837e+19 2020-08-11      0     0   13        A       0
## 997  1.379880e+19 2020-08-11      1  1499   40        A      44
## 998  1.380354e+19 2020-08-17      0     0    3        A       0
## 999  1.380508e+19 2020-08-18      0     0    1        E      10
## 1000 1.380844e+19 2020-08-18      0     0   89        A       0
## 1001 1.381171e+19 2020-08-12      0     0   15        A      87
## 1002 1.382519e+19 2020-08-19      0     0    3        A      27
## 1003 1.382625e+19 2020-08-15      0     0    1        A      65
## 1004 1.382737e+19 2020-08-13      0     0    1        D       0
## 1005 1.382859e+19 2020-08-16      0     0    1        A      11
## 1006 1.383164e+19 2020-08-13      0     0    8        A       0
## 1007 1.383189e+19 2020-08-14      0     0    1        A       0
## 1008 1.383469e+17 2020-08-18      0     0    9        G     153
## 1009 1.384546e+19 2020-08-20      0     0    3        A      62
## 1010 1.384905e+19 2020-08-10      0     0   13        C       0
## 1011 1.385456e+19 2020-08-11      0     0    4        G      99
## 1012 1.385666e+19 2020-08-14      0     0    3        A       0
## 1013 1.385695e+19 2020-08-20      0     0    2        A      26
## 1014 1.385854e+19 2020-08-10      0     0   13        A      17
## 1015 1.386192e+19 2020-08-18      0     0    2        A       0
## 1016 1.386608e+19 2020-08-15      0     0    3        A       0
## 1017 1.387710e+19 2020-08-17      0     0   11        G      72
## 1018 1.387789e+19 2020-08-20      0     0    1        A      50
## 1019 1.388180e+19 2020-08-15      0     0   36        C       0
## 1020 1.389342e+18 2020-08-17      1  1079   18        G     154
## 1021 1.389948e+19 2020-08-15      0     0    4        D      36
## 1022 1.391213e+19 2020-08-19      1   716    8        D       0
## 1023 1.391478e+19 2020-08-11      0     0    2        A       0
## 1024 1.391540e+19 2020-08-18      0     0    1        A      28
## 1025 1.391602e+19 2020-08-16      0     0    7     <NA>       0
## 1026 1.392383e+19 2020-08-16      0     0   65        F      35
## 1027 1.392662e+19 2020-08-16      0     0   53        C     208
## 1028 1.392806e+19 2020-08-15      0     0    4        A       0
## 1029 1.392971e+19 2020-08-19      0     0   26        A       0
## 1030 1.393027e+19 2020-08-17      0     0    8        D       0
## 1031 1.393070e+19 2020-08-19      0     0    2        A      30
## 1032 1.393438e+18 2020-08-15      0     0    5        D       0
## 1033 1.393620e+19 2020-08-19      0     0    8        E       0
## 1034 1.393676e+18 2020-08-16      0     0   14        C      35
## 1035 1.393992e+19 2020-08-12      0     0    2        A       0
## 1036 1.394142e+19 2020-08-11      0     0   12        A      65
## 1037 1.394552e+19 2020-08-10      0     0    4        A      45
## 1038 1.395462e+19 2020-08-12      0     0    1        A      87
## 1039 1.395654e+19 2020-08-10      0     0    6        A       0
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## 1040 1.395666e+19 2020-08-16       0       0      18          C       121
## 1041 1.396714e+18 2020-08-13       0       0       3          A        16
## 1042 1.397226e+19 2020-08-11       0       0       3          C       208
## 1043 1.397463e+19 2020-08-17       0       0      27          B       223
## 1044 1.397559e+19 2020-08-19       0       0      14          A        36
## 1045 1.398750e+19 2020-08-17       0       0       1          A        29
## 1046 1.398917e+19 2020-08-14       0       0       2          D         0
## 1047 1.399258e+19 2020-08-20       0       0      27          F        45
## 1048 1.400455e+19 2020-08-12       0       0      18          A       108
## 1049 1.401138e+19 2020-08-15       1     239       4          A        65
## 1050 1.401214e+18 2020-08-16       0       0       3          F         0
## 1051 1.401492e+19 2020-08-13       0       0       2          G        52
## 1052 1.403631e+19 2020-08-20       0       0      11          A         0
## 1053 1.403665e+19 2020-08-20       0       0       2          A         0
## 1054 1.403850e+19 2020-08-18       0       0       2          A         0
## 1055 1.405826e+19 2020-08-10       1     909      12          A         0
## 1056 1.405858e+19 2020-08-14       0       0      22          B        51
## 1057 1.406101e+19 2020-08-10       0       0      14          G        55
## 1058 1.406234e+19 2020-08-15       0       0       1          A         0
## 1059 1.407138e+19 2020-08-17       0       0      17          C        34
## 1060 1.407261e+19 2020-08-20       0       0       1          A         0
## 1061 1.407450e+19 2020-08-14       0       0       2          A         0
## 1062 1.408889e+19 2020-08-16       0       0       3          A        11
## 1063 1.409612e+19 2020-08-14       0       0      35       <NA>       130
## 1064 1.410206e+19 2020-08-14       0       0       2          A         0
## 1065 1.412190e+19 2020-08-19       1     399      45          B         0
## 1066 1.412548e+19 2020-08-12       0       0       2          A        87
## 1067 1.412703e+19 2020-08-16       0       0      30          A        30
## 1068 1.413481e+19 2020-08-20       0       0       2          A        99
## 1069 1.413617e+18 2020-08-12       0       0       8          D        53
## 1070 1.413851e+19 2020-08-18       0       0      81          C       208
## 1071 1.413889e+19 2020-08-19       0       0      34          C         0
## 1072 1.414054e+19 2020-08-11       0       0       1          D         0
## 1073 1.414880e+19 2020-08-18       0       0       1          A         9
## 1074 1.415064e+19 2020-08-19       0       0       2          A         0
## 1075 1.415270e+19 2020-08-16       0       0      18          G        49
## 1076 1.415478e+19 2020-08-15       0       0       8          D        50
## 1077 1.415504e+18 2020-08-11       0       0      26          A        44
## 1078 1.416313e+19 2020-08-18       0       0      11          B         0
## 1079 1.416645e+18 2020-08-10       0       0       3          A        93
## 1080 1.417240e+19 2020-08-12       0       0       2          A        43
## 1081 1.418170e+19 2020-08-15       0       0       2          C        56
## 1082 1.418415e+18 2020-08-18       0       0      10          C       166
## 1083 1.418862e+19 2020-08-17       0       0      18          C        29
## 1084 1.419100e+19 2020-08-18       0       0      13          A        52
## 1085 1.419113e+19 2020-08-16       0       0      26          A        54
## 1086 1.419477e+19 2020-08-11       0       0       7          C        62
## 1087 1.419869e+19 2020-08-16       1    1339      14          A         0
## 1088 1.419918e+18 2020-08-14       0       0       7          A         0
## 1089 1.420622e+19 2020-08-12       0       0       7          A       141
## 1090 1.422313e+19 2020-08-20       0       0       2          A         7
## 1091 1.423302e+19 2020-08-16       0       0      19          A         0
## 1092 1.424266e+19 2020-08-18       0       0       1          A         0
## 1093 1.424529e+19 2020-08-10       0       0      11          A         0
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## 1094 1.424891e+19 2020-08-18       0       0      8      G      71
## 1095 1.426924e+19 2020-08-20       0       0      5      A      35
## 1096 1.427123e+19 2020-08-15       0       0      5      D      85
## 1097 1.427603e+19 2020-08-20       0       0     42      F      31
## 1098 1.427667e+19 2020-08-17       0       0     20      C       0
## 1099 1.427703e+19 2020-08-11       0       0      8      D     141
## 1100 1.428106e+19 2020-08-12       0       0      3      D       0
## 1101 1.429466e+19 2020-08-19       0       0      9      A       0
## 1102 1.430136e+19 2020-08-18       0       0     33      C       0
## 1103 1.430175e+19 2020-08-13       0       0      4      D       0
## 1104 1.430973e+19 2020-08-14       0       0     21      A      65
## 1105 1.431404e+17 2020-08-14       0       0      2      D       0
## 1106 1.432818e+19 2020-08-11       0       0      9      C      42
## 1107 1.432942e+19 2020-08-16       0       0      1      A      11
## 1108 1.433146e+19 2020-08-12       0       0      1      A       0
## 1109 1.433453e+19 2020-08-10       0       0     58      A       0
## 1110 1.433513e+19 2020-08-11       0       0     16      A      16
## 1111 1.434167e+19 2020-08-16       0       0      4      B      73
## 1112 1.434553e+19 2020-08-20       0       0     22      C      29
## 1113 1.434991e+19 2020-08-11       0       0      2      A       0
## 1114 1.436375e+19 2020-08-19       0       0     37      F      32
## 1115 1.437540e+19 2020-08-15       0       0      1      A      86
## 1116 1.437584e+19 2020-08-17       0       0     26      A      38
## 1117 1.437603e+19 2020-08-20       0       0      5      A      29
## 1118 1.437939e+19 2020-08-11       0       0      2      D       0
## 1119 1.439169e+19 2020-08-15       0       0      6      C       0
## 1120 1.439504e+19 2020-08-12       1    1499     24      A      15
## 1121 1.439719e+19 2020-08-12       0       0     11   <NA>       0
## 1122 1.439731e+19 2020-08-16       0       0      5      A      30
## 1123 1.439949e+18 2020-08-18       0       0      4      A       0
## 1124 1.440145e+19 2020-08-10       0       0      1      F     141
## 1125 1.440430e+19 2020-08-20       0       0      5      D       0
## 1126 1.440611e+19 2020-08-17       0       0      7      A       0
## 1127 1.440737e+19 2020-08-19       0       0      1      A       0
## 1128 1.440904e+19 2020-08-16       0       0     10      A      11
## 1129 1.441568e+19 2020-08-20       0       0      2      E       0
## 1130 1.442284e+19 2020-08-14       0       0      1      A       0
## 1131 1.442515e+18 2020-08-10       1     718     16      A       0
## 1132 1.443152e+19 2020-08-14       0       0      6      C      37
## 1133 1.443402e+19 2020-08-20       0       0      2      A      35
## 1134 1.443608e+19 2020-08-16       0       0     46      F      49
## 1135 1.444784e+19 2020-08-13       0       0      1      G     223
## 1136 1.445154e+19 2020-08-15       0       0     18      B      50
## 1137 1.445369e+19 2020-08-18       0       0     11      B      33
## 1138 1.445883e+19 2020-08-16       0       0      4      A       0
## 1139 1.446460e+19 2020-08-14       0       0      1      B      37
## 1140 1.448121e+19 2020-08-12       0       0      3      B       0
## 1141 1.448887e+19 2020-08-20       0       0      4      A      35
## 1142 1.449671e+19 2020-08-12       0       0     14      C       0
## 1143 1.449994e+19 2020-08-14       0       0      8      D      37
## 1144 1.450335e+19 2020-08-10       0       0      3      A     141
## 1145 1.450485e+19 2020-08-13       0       0      4      C      81
## 1146 1.450778e+19 2020-08-10       0       0      1      A      65
## 1147 1.450970e+19 2020-08-11       0       0      4      A      69
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## 1148 1.451148e+19 2020-08-20        0      0       54       A        0
## 1149 1.451371e+19 2020-08-10        0      0       14       A        0
## 1150 1.451643e+18 2020-08-13        0      0        5       E        0
## 1151 1.452383e+19 2020-08-10        0      0        2       A       65
## 1152 1.452430e+19 2020-08-13        0      0        2       D        0
## 1153 1.453491e+19 2020-08-11        0      0        1       A       16
## 1154 1.453663e+19 2020-08-17        0      0       47       B       34
## 1155 1.453802e+19 2020-08-18        0      0       15       C       81
## 1156 1.453837e+19 2020-08-17        0      0        5       A        0
## 1157 1.454274e+19 2020-08-15        0      0        3       A       62
## 1158 1.455495e+19 2020-08-10        0      0        4       E      136
## 1159 1.456275e+19 2020-08-12        0      0        4       A       15
## 1160 1.457586e+19 2020-08-15        0      0        1       A        0
## 1161 1.457761e+19 2020-08-17        0      0        7       C       65
## 1162 1.457845e+18 2020-08-19        0      0        5       A       51
## 1163 1.458991e+19 2020-08-12        0      0        2       A       87
## 1164 1.459070e+19 2020-08-17        0      0       11       A        0
## 1165 1.459560e+19 2020-08-14        0      0        1       G       51
## 1166 1.460000e+19 2020-08-19        0      0        1       C       70
## 1167 1.461228e+19 2020-08-10        1   2699       11       A       45
## 1168 1.461240e+19 2020-08-20        0      0       13       D      103
## 1169 1.462179e+19 2020-08-20        0      0        3       A        0
## 1170 1.463092e+19 2020-08-19        0      0        1       A       51
## 1171 1.463287e+19 2020-08-13        0      0        1       D       38
## 1172 1.463376e+19 2020-08-20        0      0        6       C        0
## 1173 1.463532e+19 2020-08-20        0      0        9       A       29
## 1174 1.464392e+19 2020-08-19        1   1339       13       G       70
## 1175 1.464477e+19 2020-08-15        0      0       29       A        0
## 1176 1.465764e+19 2020-08-12        0      0        3       G      111
## 1177 1.466572e+19 2020-08-20        0      0        2       A       50
## 1178 1.467246e+19 2020-08-16        0      0        2       A       11
## 1179 1.467901e+19 2020-08-11        0      0        7       C        0
## 1180 1.468280e+19 2020-08-12        0      0        3       B        0
## 1181 1.468353e+19 2020-08-14        0      0        1       A       13
## 1182 1.468591e+18 2020-08-13        0      0        1       D        0
## 1183 1.468719e+19 2020-08-16        0      0       15       G       49
## 1184 1.470177e+19 2020-08-14        0      0        8       A       41
## 1185 1.470625e+19 2020-08-13        0      0        1       A      141
## 1186 1.470855e+19 2020-08-11        0      0        3       A       16
## 1187 1.471490e+19 2020-08-16        0      0        3       B       35
## 1188 1.471922e+19 2020-08-11        0      0       12       A       42
## 1189 1.472048e+19 2020-08-19        0      0       16       D       32
## 1190 1.472373e+19 2020-08-10        0      0        8       C        0
## 1191 1.473429e+19 2020-08-13        0      0        1       G       52
## 1192 1.474024e+19 2020-08-19        0      0        1       B        0
## 1193 1.474252e+19 2020-08-13        0      0        4       A        0
## 1194 1.474300e+18 2020-08-14        0      0        2       A       65
## 1195 1.474694e+19 2020-08-20        0      0        1       B       31
## 1196 1.474860e+19 2020-08-16        0      0        3       B        0
## 1197 1.475020e+19 2020-08-10        1   1799        9       A       17
## 1198 1.475445e+19 2020-08-20        0      0        2       F      100
## 1199 1.475668e+19 2020-08-11        0      0        4       A        0
## 1200 1.476449e+19 2020-08-13        0      0       18       A        0
## 1201 1.476526e+19 2020-08-10        0      0       51       B      198
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## 1202 1.477056e+19 2020-08-11      1   639    1   F    16
## 1203 1.477336e+18 2020-08-13      0     0    1   A     0
## 1204 1.477688e+19 2020-08-20      0     0    4   A     0
## 1205 1.478455e+19 2020-08-14      0     0   13   A    41
## 1206 1.478821e+19 2020-08-14      0     0    4   D     0
## 1207 1.480680e+19 2020-08-11      0     0    5   F     0
## 1208 1.481162e+19 2020-08-16      0     0    4   A     0
## 1209 1.481731e+19 2020-08-15      0     0   30   A     0
## 1210 1.482034e+19 2020-08-14      0     0    1   A     0
## 1211 1.482729e+19 2020-08-19      0     0   38   A     0
## 1212 1.483432e+19 2020-08-18      0     0   31   C     0
## 1213 1.483585e+18 2020-08-17      0     0   29   B     0
## 1214 1.485031e+19 2020-08-11      0     0    1   A    54
## 1215 1.485626e+18 2020-08-16      0     0   15   C    11
## 1216 1.485981e+19 2020-08-20      0     0    1   A    35
## 1217 1.486421e+19 2020-08-15      0     0   39   A     0
## 1218 1.486657e+19 2020-08-20      0     0    9   A    69
## 1219 1.486707e+19 2020-08-12      0     0    2   F    43
## 1220 1.486733e+19 2020-08-16      0     0    7   C     0
## 1221 1.486748e+19 2020-08-12      0     0    3   B     0
## 1222 1.486908e+19 2020-08-11      0     0    2   A     0
## 1223 1.487055e+19 2020-08-14      0     0    5   G     0
## 1224 1.488738e+19 2020-08-18      0     0   30   A    10
## 1225 1.489736e+19 2020-08-19      0     0    4   G    81
## 1226 1.490955e+19 2020-08-13      0     0   16   C    38
## 1227 1.491311e+19 2020-08-10      1  1339   52   A    17
## 1228 1.492002e+19 2020-08-15      0     0    4   C     0
## 1229 1.492231e+18 2020-08-11      0     0   49   A     0
## 1230 1.492961e+19 2020-08-17      0     0   11   A    72
## 1231 1.493097e+19 2020-08-14      0     0    1   A    15
## 1232 1.493490e+19 2020-08-12      0     0    1   D   139
## 1233 1.494122e+19 2020-08-19      0     0    1   D     0
## 1234 1.494240e+19 2020-08-10      0     0    5   D    45
## 1235 1.494381e+19 2020-08-19      0     0    5   B     0
## 1236 1.495258e+19 2020-08-17      0     0    3   A     0
## 1237 1.495839e+19 2020-08-17      0     0   14   A    10
## 1238 1.496779e+19 2020-08-17      0     0   29   B    48
## 1239 1.497390e+19 2020-08-12      0     0    2   A     0
## 1240 1.497941e+19 2020-08-10      0     0    6   E     0
## 1241 1.498915e+19 2020-08-15      0     0    1   A    40
## 1242 1.499573e+18 2020-08-11      0     0    5   B    78
## 1243 1.499811e+19 2020-08-19      0     0    6   D   104
## 1244 1.499882e+19 2020-08-16      0     0    5   A    39
## 1245 1.500111e+19 2020-08-15      0     0   14   B    36
## 1246 1.500810e+19 2020-08-16      0     0    5   D     0
## 1247 1.501062e+19 2020-08-11      0     0    1   A     0
## 1248 1.502431e+19 2020-08-20      0     0    4   A    35
## 1249 1.502808e+19 2020-08-20      0     0    2   A    29
## 1250 1.502894e+19 2020-08-11      0     0    1   A    16
## 1251 1.503088e+19 2020-08-18      0     0    1   A    37
## 1252 1.504266e+19 2020-08-17      0     0    2   A     0
## 1253 1.504655e+19 2020-08-18      0     0   27   A    52
## 1254 1.505748e+19 2020-08-11      0     0    8   A    62
## 1255 1.506565e+19 2020-08-19      0     0    2   E     0
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## 1256 1.506878e+19 2020-08-13        0       0       1       A       15
## 1257 1.507223e+19 2020-08-11        0       0       2       A       92
## 1258 1.507539e+19 2020-08-17        0       0      62    <NA>     127
## 1259 1.507952e+19 2020-08-16        0       0       1       A       39
## 1260 1.508657e+19 2020-08-12        0       0       4       G     159
## 1261 1.509518e+19 2020-08-14        0       0       4       A     106
## 1262 1.509545e+19 2020-08-18        0       0       1       A       0
## 1263 1.509611e+19 2020-08-17        0       0       5       G     223
## 1264 1.509719e+19 2020-08-11        0       0       9       A       0
## 1265 1.510076e+19 2020-08-20        0       0      27       A       0
## 1266 1.511437e+19 2020-08-18        0       0       9       D       33
## 1267 1.511984e+19 2020-08-17        0       0       5       A       0
## 1268 1.512563e+19 2020-08-16        0       0       5       A       0
## 1269 1.512571e+19 2020-08-12        0       0       5       A       0
## 1270 1.513066e+19 2020-08-14        0       0      21       A       0
## 1271 1.513308e+18 2020-08-19        0       0       1       B       0
## 1272 1.513345e+19 2020-08-12        0       0       2       A       43
## 1273 1.514216e+19 2020-08-11        0       0       2       B       40
## 1274 1.514933e+19 2020-08-14        0       0      63       A       13
## 1275 1.515266e+19 2020-08-18        0       0       5    <NA>       0
## 1276 1.515310e+19 2020-08-14        0       0       1       A       62
## 1277 1.515335e+19 2020-08-19        0       0       1    <NA>       0
## 1278 1.515719e+19 2020-08-13        0       0      15       C       52
## 1279 1.515764e+19 2020-08-18        0       0      22       A       0
## 1280 1.516082e+19 2020-08-14        0       0       1       A       0
## 1281 1.516570e+19 2020-08-19        0       0       4       A       8
## 1282 1.516881e+19 2020-08-17        0       0       4       D       72
## 1283 1.517572e+19 2020-08-14        0       0       2       A       0
## 1284 1.518076e+19 2020-08-10        0       0       9       C       43
## 1285 1.518214e+19 2020-08-13        0       0       2       A       14
## 1286 1.518587e+19 2020-08-14        0       0      19       A       13
## 1287 1.518928e+19 2020-08-11        0       0       1       A       0
## 1288 1.519061e+19 2020-08-17        0       0       3       D       72
## 1289 1.519417e+19 2020-08-20        1    1569      47       A       0
## 1290 1.519570e+19 2020-08-10        0       0      16       D       55
## 1291 1.519680e+19 2020-08-13        0       0      15       A       67
## 1292 1.520046e+19 2020-08-15        0       0       4       B       0
## 1293 1.520584e+19 2020-08-15        0       0       4       C       81
## 1294 1.520690e+19 2020-08-17        0       0       3       A       0
## 1295 1.520829e+19 2020-08-12        0       0       6       A       0
## 1296 1.520848e+19 2020-08-17        0       0       1       A       0
## 1297 1.520966e+19 2020-08-14        0       0       1       E       0
## 1298 1.522328e+19 2020-08-16        0       0       4       C     208
## 1299 1.522592e+19 2020-08-10        0       0       2       A       17
## 1300 1.524427e+19 2020-08-19        0       0       5       A     101
## 1301 1.524473e+19 2020-08-17        0       0       1       E       0
## 1302 1.524528e+19 2020-08-17        0       0       2       A       53
## 1303 1.524734e+19 2020-08-19        0       0       6       A       0
## 1304 1.525275e+19 2020-08-18        0       0       8       C       0
## 1305 1.526029e+19 2020-08-14        0       0       4       E       0
## 1306 1.526928e+19 2020-08-11        0       0      39       B       0
## 1307 1.527300e+19 2020-08-14        0       0       5       C       13
## 1308 1.527365e+19 2020-08-18        0       0       2       A       52
## 1309 1.527494e+19 2020-08-20        0       0       7       C     117
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## 1310 1.527682e+19 2020-08-11        0        0        1        A        0
## 1311 1.527703e+19 2020-08-19        0        0        9        C       32
## 1312 1.528704e+19 2020-08-19        0        0        9     <NA>        0
## 1313 1.529559e+19 2020-08-10        0        0        1        A        0
## 1314 1.529570e+19 2020-08-16        0        0       60        A       11
## 1315 1.529714e+19 2020-08-18        0        0        2        C        0
## 1316 1.530173e+19 2020-08-19        0        0        3        A        0
## 1317 1.530869e+19 2020-08-13        0        0        1        C        0
## 1318 1.531077e+19 2020-08-19        0        0        1        F      141
## 1319 1.531440e+19 2020-08-19        1     1499       25        A       36
## 1320 1.531485e+18 2020-08-16        0        0        2        A        0
## 1321 1.531529e+18 2020-08-18        0        0       14        A       52
## 1322 1.531840e+19 2020-08-19        0        0       13        D        0
## 1323 1.532469e+19 2020-08-19        0        0        6        D        0
## 1324 1.532703e+19 2020-08-16        0        0       13        A        0
## 1325 1.532822e+19 2020-08-13        0        0       13        C       81
## 1326 1.533865e+19 2020-08-10        0        0        9        D        0
## 1327 1.535239e+18 2020-08-19        0        0        6        A       30
## 1328 1.535331e+19 2020-08-20        0        0        4        A        0
## 1329 1.535523e+19 2020-08-17        0        0        3        A        0
## 1330 1.536180e+18 2020-08-11        0        0        1        A       16
## 1331 1.536589e+19 2020-08-12        0        0        2        A       15
## 1332 1.536925e+19 2020-08-12        0        0       32        A       16
## 1333 1.537053e+19 2020-08-19        0        0       41        B       32
## 1334 1.537071e+19 2020-08-10        0        0        9        C       17
## 1335 1.537567e+19 2020-08-13        0        0       20        A       14
## 1336 1.537740e+19 2020-08-17        0        0        1        A      141
## 1337 1.537985e+19 2020-08-10        0        0        6        A        0
## 1338 1.538085e+18 2020-08-13        0        0        1        A       65
## 1339 1.538413e+19 2020-08-14        0        0       16        C        0
## 1340 1.538475e+19 2020-08-16        0        0        1        A       54
## 1341 1.539735e+19 2020-08-14        0        0       12        C        0
## 1342 1.539788e+19 2020-08-15        0        0        2        A       31
## 1343 1.540569e+19 2020-08-17        0        0       21        C      166
## 1344 1.541256e+19 2020-08-18        0        0        9        G      153
## 1345 1.541312e+19 2020-08-15        0        0        3        A        0
## 1346 1.541353e+19 2020-08-10        0        0        3        D       81
## 1347 1.542684e+19 2020-08-10        0        0        3        A       45
## 1348 1.543048e+19 2020-08-15        0        0       62        A       13
## 1349 1.544019e+19 2020-08-12        0        0        1        A        0
## 1350 1.544290e+19 2020-08-10        0        0       18        D       81
## 1351 1.544595e+19 2020-08-20        0        0        6        B        0
## 1352 1.544653e+19 2020-08-10        0        0        2        A        0
## 1353 1.547244e+19 2020-08-11        0        0       11        A      109
## 1354 1.547246e+19 2020-08-15        0        0        4        B        0
## 1355 1.547768e+19 2020-08-19        0        0        1        E        0
## 1356 1.548169e+19 2020-08-13        0        0        6        D       52
## 1357 1.549119e+19 2020-08-14        0        0        2        B       75
## 1358 1.549910e+19 2020-08-17        0        0        6        A       38
## 1359 1.550265e+19 2020-08-18        0        0       29     <NA>        0
## 1360 1.552045e+19 2020-08-13        0        0        1        A       14
## 1361 1.552491e+19 2020-08-13        0        0        1        A       14
## 1362 1.552625e+18 2020-08-20        0        0        1        A       26
## 1363 1.553201e+19 2020-08-18        1     1529       39        A        0
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## 1364 1.553966e+18 2020-08-18      1  1299    16       A       28
## 1365 1.554016e+19 2020-08-13      0     0     4       D       38
## 1366 1.554073e+19 2020-08-17      0     0     5       A        0
## 1367 1.554914e+19 2020-08-15      0     0     8       A        0
## 1368 1.554939e+19 2020-08-17      0     0     2       A        0
## 1369 1.555393e+19 2020-08-19      0     0    11       A        0
## 1370 1.555841e+19 2020-08-16      0     0    16       B       49
## 1371 1.556289e+19 2020-08-19      0     0    11       A       51
## 1372 1.556359e+19 2020-08-16      1   999     7       F       49
## 1373 1.556949e+19 2020-08-13      0     0    25       A        0
## 1374 1.558554e+18 2020-08-13      0     0    17       B       52
## 1375 1.559146e+19 2020-08-17      0     0     3       C        0
## 1376 1.559269e+19 2020-08-16      0     0    15       F      104
## 1377 1.559336e+19 2020-08-17      0     0     8       A       10
## 1378 1.559341e+19 2020-08-11      0     0     1       A        0
## 1379 1.560619e+19 2020-08-16      0     0     9       D       35
## 1380 1.560821e+19 2020-08-20      0     0     2       A       35
## 1381 1.561492e+19 2020-08-14      0     0     1       A       41
## 1382 1.561901e+19 2020-08-18      0     0     1       A      101
## 1383 1.562993e+19 2020-08-10      0     0     4    <NA>       17
## 1384 1.563278e+18 2020-08-16      0     0     7       A        0
## 1385 1.563400e+19 2020-08-10      0     0    16       F        0
## 1386 1.563711e+19 2020-08-11      0     0    17       D        0
## 1387 1.564170e+19 2020-08-20      0     0     3       B        0
## 1388 1.565191e+19 2020-08-16      0     0    14       F        0
## 1389 1.566284e+19 2020-08-12      0     0    22       D       53
## 1390 1.566571e+19 2020-08-12      0     0    16       B        0
## 1391 1.566629e+19 2020-08-14      0     0     6       A        0
## 1392 1.566948e+19 2020-08-13      0     0     1       A        0
## 1393 1.567341e+19 2020-08-16      0     0     3       D       65
## 1394 1.567427e+19 2020-08-13      0     0    11       A       65
## 1395 1.567556e+18 2020-08-17      0     0    18       A        0
## 1396 1.567615e+19 2020-08-20      0     0    54       C      208
## 1397 1.567968e+19 2020-08-13      0     0     1       A       16
## 1398 1.568608e+19 2020-08-18      0     0     2       A        0
## 1399 1.568806e+18 2020-08-14      0     0     3       D       95
## 1400 1.570357e+19 2020-08-16      0     0     6       C        0
## 1401 1.570687e+19 2020-08-17      0     0     5    <NA>        0
## 1402 1.571204e+19 2020-08-15      0     0    34       A       65
## 1403 1.571856e+19 2020-08-14      0     0    20       A        0
## 1404 1.572801e+19 2020-08-20      0     0     2       G       45
## 1405 1.572880e+19 2020-08-12      0     0    21       A       15
## 1406 1.573157e+19 2020-08-20      0     0    33       A       35
## 1407 1.573953e+19 2020-08-17      0     0     7       A       38
## 1408 1.574649e+18 2020-08-13      0     0     1       C        0
## 1409 1.575209e+19 2020-08-14      0     0     1       A       51
## 1410 1.576425e+19 2020-08-15      0     0     1       D        0
## 1411 1.577533e+18 2020-08-15      0     0     9       A       40
## 1412 1.577675e+19 2020-08-16      0     0     7       G      155
## 1413 1.578594e+18 2020-08-20      0     0    10       A       50
## 1414 1.579260e+19 2020-08-12      1   669    26       C        3
## 1415 1.580612e+19 2020-08-15      0     0     2       F       50
## 1416 1.581220e+18 2020-08-18      0     0     1       C        0
## 1417 1.581312e+19 2020-08-15      0     0     7       G      156
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## 1418 1.581767e+19 2020-08-18          0       0       4       A       52
## 1419 1.582125e+19 2020-08-12          0       0       1       G       39
## 1420 1.582478e+19 2020-08-13          0       0       3       A        0
## 1421 1.582534e+19 2020-08-10          0       0       1       D        0
## 1422 1.582863e+19 2020-08-11          0       0       3       A        0
## 1423 1.584647e+19 2020-08-16          1     739     183       C        0
## 1424 1.584695e+19 2020-08-12          0       0       6       A        0
## 1425 1.585089e+18 2020-08-19          0       0       5       A       51
## 1426 1.585758e+19 2020-08-17          0       0       8       A        0
## 1427 1.585823e+19 2020-08-13          0       0      46       A       15
## 1428 1.586442e+19 2020-08-16          0       0       4       A       11
## 1429 1.586678e+18 2020-08-12          0       0       1       F       17
## 1430 1.586807e+18 2020-08-18          0       0       3       A       28
## 1431 1.586924e+19 2020-08-19          0       0      13       A        0
## 1432 1.587237e+19 2020-08-18          0       0       1       D        0
## 1433 1.587304e+19 2020-08-18          0       0       5       A        0
## 1434 1.587949e+19 2020-08-19          0       0      12       D       81
## 1435 1.588116e+19 2020-08-18          0       0       5       A        0
## 1436 1.588829e+19 2020-08-17          0       0       1       G       72
## 1437 1.588968e+19 2020-08-11          0       0       2       A       44
## 1438 1.588982e+19 2020-08-18          0       0       1    <NA>        0
## 1439 1.589044e+19 2020-08-16          0       0       6       A        0
## 1440 1.589257e+19 2020-08-12          0       0       1       A       17
## 1441 1.589468e+19 2020-08-10          0       0       4       D       43
## 1442 1.590179e+19 2020-08-17          0       0       8       B       34
## 1443 1.590327e+19 2020-08-11          0       0      44       A        0
## 1444 1.591271e+19 2020-08-10          0       0       2       A       19
## 1445 1.591273e+19 2020-08-12          0       0       6       C       59
## 1446 1.592413e+19 2020-08-15          1     899      24       C        0
## 1447 1.592476e+19 2020-08-17          0       0       2       D       32
## 1448 1.593123e+19 2020-08-11          0       0       1       A        0
## 1449 1.593317e+19 2020-08-17          0       0       1       A       29
## 1450 1.593906e+19 2020-08-11          0       0       9       C      208
## 1451 1.593961e+19 2020-08-16          0       0      16       D       33
## 1452 1.594223e+19 2020-08-11          0       0       1       A       44
## 1453 1.594241e+19 2020-08-12          0       0       1       A       91
## 1454 1.595126e+18 2020-08-12          0       0      30       B        0
## 1455 1.595971e+19 2020-08-19          0       0       2       A        8
## 1456 1.596202e+19 2020-08-17          0       0       3       F       32
## 1457 1.596589e+19 2020-08-17          0       0       2       B        0
## 1458 1.596746e+19 2020-08-15          0       0       1       A       65
## 1459 1.597726e+19 2020-08-13          0       0       1       A       62
## 1460 1.597820e+19 2020-08-15          0       0      48       A        0
## 1461 1.598939e+19 2020-08-15          0       0       2       A        0
## 1462 1.598956e+17 2020-08-14          0       0      12       A        0
## 1463 1.598971e+19 2020-08-14          0       0       1    <NA>        0
## 1464 1.599218e+19 2020-08-14          0       0       5       A      132
## 1465 1.599861e+18 2020-08-10          0       0       2       A        0
## 1466 1.600176e+19 2020-08-19          0       0       8       A        0
## 1467 1.600751e+19 2020-08-10          0       0       2       A        0
## 1468 1.602071e+19 2020-08-11          0       0       1       A       92
## 1469 1.602408e+19 2020-08-18          0       0       8       A        0
## 1470 1.602439e+19 2020-08-14          0       0       1       F       85
## 1471 1.602842e+19 2020-08-13          0       0       8       B        0
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## 1472 1.604107e+19 2020-08-16          0    0    10      D    155
## 1473 1.604339e+19 2020-08-20          0    0     2      A     29
## 1474 1.604653e+19 2020-08-10          0    0     4      A     91
## 1475 1.605741e+19 2020-08-18          0    0     4      C      0
## 1476 1.605899e+19 2020-08-15          0    0     1      A     62
## 1477 1.606126e+19 2020-08-19          0    0     1      C      0
## 1478 1.606514e+19 2020-08-11          0    0     4      A      0
## 1479 1.606889e+19 2020-08-14          0    0    42      A      0
## 1480 1.607085e+17 2020-08-16          0    0     3      A     11
## 1481 1.607114e+19 2020-08-14          0    0    10      A     13
## 1482 1.607302e+19 2020-08-10          0    0    32      B    223
## 1483 1.608007e+19 2020-08-17          0    0     2      D      0
## 1484 1.608675e+19 2020-08-12          0    0     5      C      0
## 1485 1.609097e+19 2020-08-11          0    0     6      C      0
## 1486 1.610146e+19 2020-08-11          0    0     1      F     68
## 1487 1.610189e+19 2020-08-16          0    0     4      A      0
## 1488 1.610591e+19 2020-08-11          0    0    36      B    223
## 1489 1.610647e+19 2020-08-11          0    0     5      C      0
## 1490 1.611107e+19 2020-08-18          0    0    45      A      0
## 1491 1.611837e+19 2020-08-11          0    0     1      A      0
## 1492 1.611923e+18 2020-08-17          0    0     1      A     53
## 1493 1.612478e+19 2020-08-17          0    0    20      F     34
## 1494 1.612524e+19 2020-08-12          0    0     3      A      0
## 1495 1.613006e+19 2020-08-16          0    0     2      A    141
## 1496 1.613813e+19 2020-08-11          0    0     3      A      0
## 1497 1.614035e+19 2020-08-12          0    0     1      G     53
## 1498 1.614110e+19 2020-08-15          0    0     1      A      0
## 1499 1.614113e+19 2020-08-20          0    0     4      A      0
## 1500 1.614464e+19 2020-08-12          0    0     2      D     97
## 1501 1.615427e+19 2020-08-16          0    0     2      A     54
## 1502 1.615562e+19 2020-08-14          0    0    10      B     37
## 1503 1.615827e+19 2020-08-17          0    0    13      C     34
## 1504 1.616901e+19 2020-08-11          1  939    25      C      0
## 1505 1.616927e+18 2020-08-16          0    0    16      C      0
## 1506 1.616936e+19 2020-08-14          0    0     3      A      0
## 1507 1.618605e+19 2020-08-17          0    0     1      D      0
## 1508 1.619069e+19 2020-08-16          0    0    14      C      0
## 1509 1.621740e+19 2020-08-19          0    0     2      A     51
## 1510 1.622224e+19 2020-08-20          0    0     7      A    100
## 1511 1.622377e+19 2020-08-15          0    0    18      C      0
## 1512 1.622615e+19 2020-08-19          0    0     7      E      0
## 1513 1.623742e+19 2020-08-20          0    0     1      A     35
## 1514 1.624191e+19 2020-08-14          0    0     4      A    106
## 1515 1.624387e+19 2020-08-12          0    0     1      A      0
## 1516 1.624862e+18 2020-08-18          0    0     5      A    141
## 1517 1.625210e+19 2020-08-12          1  349    14      C      0
## 1518 1.625441e+19 2020-08-18          0    0     4      A      0
## 1519 1.625593e+19 2020-08-11          0    0     1      B     42
## 1520 1.625972e+19 2020-08-19          0    0     4   <NA>     27
## 1521 1.626102e+19 2020-08-14          0    0     6      C    208
## 1522 1.626190e+19 2020-08-15          0    0     1      F    141
## 1523 1.626431e+19 2020-08-17          0    0     1      A      0
## 1524 1.626511e+19 2020-08-15          0    0     8      D    108
## 1525 1.627465e+19 2020-08-19          0    0     5      A     36
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## 1526 1.627495e+19 2020-08-18      0      0     6     C     71
## 1527 1.627528e+19 2020-08-19      0      0     1     G     32
## 1528 1.628010e+19 2020-08-10      0      0    10     F     55
## 1529 1.628755e+19 2020-08-20      0      0     4     A      0
## 1530 1.629157e+19 2020-08-16      0      0    18     C     49
## 1531 1.629238e+18 2020-08-12      0      0     6     A      0
## 1532 1.631268e+19 2020-08-20      0      0     3     C     69
## 1533 1.632382e+19 2020-08-19      0      0     4     F     77
## 1534 1.632636e+19 2020-08-12      0      0     1     F     87
## 1535 1.632685e+18 2020-08-18      0      0     8     A     37
## 1536 1.632900e+19 2020-08-13      0      0     8     C    208
## 1537 1.633072e+19 2020-08-15      0      0    33     A     12
## 1538 1.633174e+19 2020-08-14      0      0     3     A     65
## 1539 1.633801e+19 2020-08-12      0      0    14     A      0
## 1540 1.634706e+19 2020-08-16      0      0    41     A     12
## 1541 1.635516e+19 2020-08-20      0      0     6     G     31
## 1542 1.635657e+19 2020-08-17      0      0     4     D     72
## 1543 1.636419e+19 2020-08-15      0      0    10     A     65
## 1544 1.637044e+19 2020-08-17      0      0     4     A     53
## 1545 1.637469e+19 2020-08-12      0      0    20     B      0
## 1546 1.637761e+19 2020-08-19      1    419    12     A     30
## 1547 1.638137e+19 2020-08-12      0      0     3     A     43
## 1548 1.638194e+18 2020-08-19      0      0     4     A      0
## 1549 1.638795e+19 2020-08-13      0      0     5     A      0
## 1550 1.638891e+19 2020-08-11      0      0     6     A      0
## 1551 1.639102e+19 2020-08-20      0      0     5     A     29
## 1552 1.639259e+19 2020-08-14      0      0    12     C      2
## 1553 1.639854e+19 2020-08-16      0      0     1     A    141
## 1554 1.640095e+19 2020-08-16      0      0     3     A     54
## 1555 1.640559e+19 2020-08-11      0      0     3     A     18
## 1556 1.641893e+19 2020-08-20      0      0     3     C      0
## 1557 1.643669e+19 2020-08-17      0      0    33     A      0
## 1558 1.644820e+19 2020-08-20      0      0     1     G     69
## 1559 1.645346e+19 2020-08-12      0      0     5     C     53
## 1560 1.645430e+19 2020-08-13      0      0    17     B      2
## 1561 1.645972e+19 2020-08-16      0      0     2     C      0
## 1562 1.646484e+19 2020-08-11      0      0     3     B      0
## 1563 1.647102e+19 2020-08-15      0      0    42     B     50
## 1564 1.647105e+19 2020-08-12      0      0     8     F      0
## 1565 1.647389e+18 2020-08-14      0      0     2     A      0
## 1566 1.648130e+19 2020-08-20      0      0     1     A     26
## 1567 1.648348e+19 2020-08-14      0      0    21     A      0
## 1568 1.648369e+19 2020-08-18      0      0     8     A     37
## 1569 1.648648e+19 2020-08-16      0      0    12     A      0
## 1570 1.649819e+19 2020-08-12      0      0    18     B      3
## 1571 1.650575e+19 2020-08-16      0      0    13     C     55
## 1572 1.650690e+19 2020-08-19      0      0     1     A     51
## 1573 1.652028e+19 2020-08-16      0      0     3     A     30
## 1574 1.652273e+19 2020-08-14      0      0    17     F      0
## 1575 1.652555e+19 2020-08-11      1    599    47     C     42
## 1576 1.654323e+19 2020-08-20      0      0     3     A      0
## 1577 1.654952e+19 2020-08-19      0      0    15     B     62
## 1578 1.655350e+19 2020-08-20      0      0     8     A     35
## 1579 1.655431e+19 2020-08-18      0      0    50     F     47
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## 1580 1.655993e+19 2020-08-12        0      0     1       D       59
## 1581 1.656561e+19 2020-08-16        0      0     4       A       30
## 1582 1.656805e+19 2020-08-14        0      0     7       A        0
## 1583 1.657429e+19 2020-08-18        0      0     3       E      128
## 1584 1.658182e+19 2020-08-20        0      0     1       A        0
## 1585 1.658735e+19 2020-08-19        0      0     4       A        0
## 1586 1.659340e+19 2020-08-14        0      0     2       A       65
## 1587 1.659649e+19 2020-08-18        0      0     3       C        9
## 1588 1.659930e+19 2020-08-18        0      0     2       C        9
## 1589 1.660231e+19 2020-08-18        0      0     5       A        9
## 1590 1.660727e+19 2020-08-19        0      0     1       A       36
## 1591 1.661418e+19 2020-08-14        0      0     2       A       15
## 1592 1.661476e+19 2020-08-16        0      0    10       A       62
## 1593 1.661502e+19 2020-08-19        0      0    17       A        0
## 1594 1.662696e+19 2020-08-19        0      0     4       D        0
## 1595 1.662800e+19 2020-08-14        0      0     7       B       57
## 1596 1.662881e+19 2020-08-14        0      0     2       D       51
## 1597 1.663644e+18 2020-08-19        0      0     2       A        0
## 1598 1.664446e+19 2020-08-11        0      0     2       A       62
## 1599 1.664977e+19 2020-08-14        0      0     2       B      141
## 1600 1.665202e+19 2020-08-12        0      0    11       A       89
## 1601 1.665244e+19 2020-08-17        0      0    17    <NA>        0
## 1602 1.665333e+19 2020-08-13        0      0     1       A        0
## 1603 1.665636e+19 2020-08-20        0      0     7       A       35
## 1604 1.665862e+19 2020-08-11        0      0     1       F       44
## 1605 1.666383e+19 2020-08-16        0      0     1    <NA>        0
## 1606 1.666812e+19 2020-08-19        0      0     3       A        0
## 1607 1.667138e+19 2020-08-18        0      0    16       A       52
## 1608 1.667336e+19 2020-08-17        0      0     3       A      141
## 1609 1.667548e+19 2020-08-18        0      0     8       A        0
## 1610 1.667659e+19 2020-08-11        0      0     3       E        0
## 1611 1.667861e+19 2020-08-12        0      0     4       A       15
## 1612 1.668526e+19 2020-08-14        0      0     5       A        0
## 1613 1.669149e+19 2020-08-12        0      0    68       A        0
## 1614 1.669781e+19 2020-08-20        0      0     3       A        0
## 1615 1.670078e+19 2020-08-12        0      0     8       A        0
## 1616 1.670259e+19 2020-08-11        3   2217   153       C        0
## 1617 1.670451e+19 2020-08-11        0      0    30       A       92
## 1618 1.671670e+19 2020-08-10        0      0    10       A       45
## 1619 1.672439e+19 2020-08-15        0      0     2       D       65
## 1620 1.672465e+17 2020-08-10        0      0     1       A        0
## 1621 1.672972e+19 2020-08-15        0      0     2       B        0
## 1622 1.673521e+19 2020-08-17        0      0     1       E        0
## 1623 1.673758e+19 2020-08-15        0      0     2       G        0
## 1624 1.675124e+18 2020-08-20        0      0     5    <NA>       81
## 1625 1.675450e+19 2020-08-11        0      0     2       D        0
## 1626 1.676388e+19 2020-08-19        0      0     4       A        0
## 1627 1.676416e+19 2020-08-12        0      0    12       C       39
## 1628 1.676688e+19 2020-08-19        1   1149    28       A        0
## 1629 1.677468e+19 2020-08-15        0      0    25       C        0
## 1630 1.678531e+19 2020-08-19        0      0     1       A       36
## 1631 1.679721e+19 2020-08-16        0      0    14    <NA>        0
## 1632 1.679752e+19 2020-08-11        0      0    10       A        0
## 1633 1.680498e+19 2020-08-20        0      0    40       A       26
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## 1634 1.680520e+19 2020-08-19      0      0     11        A        0
## 1635 1.680663e+19 2020-08-17      0      0      3        A       38
## 1636 1.681295e+19 2020-08-17      0      0     23        C        0
## 1637 1.681904e+19 2020-08-20      0      0      4        A        0
## 1638 1.682205e+18 2020-08-19      0      0      7        A        0
## 1639 1.682406e+19 2020-08-19      0      0      1        A       30
## 1640 1.683146e+19 2020-08-12      0      0      1     <NA>        0
## 1641 1.683508e+19 2020-08-19      0      0      4        A       51
## 1642 1.683530e+19 2020-08-14      0      0      4        D      157
## 1643 1.684081e+19 2020-08-19      0      0      2        E        0
## 1644 1.684298e+19 2020-08-10      0      0      1        C        0
## 1645 1.684729e+19 2020-08-14      0      0      2        A       87
## 1646 1.686156e+19 2020-08-10      0      0      1        A        0
## 1647 1.686357e+19 2020-08-14      0      0     28        B      223
## 1648 1.686402e+19 2020-08-20      0      0      4        B       81
## 1649 1.686481e+19 2020-08-19      0      0     14        C        0
## 1650 1.686587e+19 2020-08-14      0      0      1        A       41
## 1651 1.687220e+19 2020-08-20      0      0      6        A        0
## 1652 1.687326e+19 2020-08-15      0      0      4        D        0
## 1653 1.687836e+19 2020-08-18      0      0      3        A        0
## 1654 1.687942e+19 2020-08-12      0      0      4        D      159
## 1655 1.688494e+19 2020-08-11      0      0     25        F       40
## 1656 1.688865e+19 2020-08-18      0      0      4     <NA>       81
## 1657 1.689405e+19 2020-08-10      0      0     12        B        0
## 1658 1.689650e+19 2020-08-11      0      0      4        D        0
## 1659 1.690245e+19 2020-08-18      0      0      2        F       31
## 1660 1.690344e+19 2020-08-17      0      0     65        A       53
## 1661 1.690604e+19 2020-08-19      0      0      1        A       51
## 1662 1.691246e+19 2020-08-16      0      0     61        A       54
## 1663 1.691554e+19 2020-08-20      0      0      5        A        8
## 1664 1.692214e+19 2020-08-13      0      0      3        G       52
## 1665 1.692526e+19 2020-08-11      0      0      7        A        0
## 1666 1.693342e+18 2020-08-16      0      0     30        A       12
## 1667 1.693610e+19 2020-08-18      0      0      3        A        0
## 1668 1.693628e+19 2020-08-12      0      0     48        A       43
## 1669 1.693815e+19 2020-08-13      0      0      1        E        0
## 1670 1.694439e+19 2020-08-18      0      0      1        B      141
## 1671 1.695853e+19 2020-08-17      0      0      1        A       11
## 1672 1.695901e+19 2020-08-20      0      0      2        C       45
## 1673 1.695935e+19 2020-08-19      0      0      1        G       70
## 1674 1.696841e+19 2020-08-20      0      0      3        G       45
## 1675 1.697080e+19 2020-08-13      0      0      9        C      208
## 1676 1.697915e+19 2020-08-19      0      0      2        A      141
## 1677 1.698180e+19 2020-08-11      0      0      2        A       44
## 1678 1.698493e+18 2020-08-15      0      0      1        A       31
## 1679 1.698783e+19 2020-08-14      0      0      1        A        0
## 1680 1.698791e+19 2020-08-14      0      0      4        A       62
## 1681 1.698902e+19 2020-08-16      0      0     10        A       30
## 1682 1.699739e+19 2020-08-13      0      0      6        C       81
## 1683 1.699742e+19 2020-08-10      0      0     27        A        0
## 1684 1.701793e+19 2020-08-20      0      0     16        A        0
## 1685 1.701827e+19 2020-08-20      0      0      1        A        8
## 1686 1.701926e+19 2020-08-20      0      0      1        B        0
## 1687 1.702531e+19 2020-08-20      0      0      1        A        0
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## 1688 1.703513e+19 2020-08-17        0      0     3      A      0
## 1689 1.703617e+19 2020-08-19        0      0     1      A     51
## 1690 1.704371e+19 2020-08-18        0      0     2      A      0
## 1691 1.704372e+19 2020-08-12        0      0    26      C      0
## 1692 1.704673e+19 2020-08-10        0      0    10   <NA>      0
## 1693 1.704720e+19 2020-08-17        0      0    56      A     29
## 1694 1.705137e+19 2020-08-13        0      0     8      A     42
## 1695 1.707267e+19 2020-08-11        0      0    27      C      0
## 1696 1.708112e+19 2020-08-18        1   1269     5      G     33
## 1697 1.708126e+19 2020-08-17        0      0     9      A     62
## 1698 1.708173e+19 2020-08-14        0      0     2      A     13
## 1699 1.708262e+19 2020-08-15        0      0    11      A     40
## 1700 1.708508e+19 2020-08-17        0      0     1      D    141
## 1701 1.708654e+19 2020-08-13        0      0     1      A      0
## 1702 1.708758e+19 2020-08-19        0      0     9      G     46
## 1703 1.708894e+19 2020-08-11        0      0     4      C      0
## 1704 1.709348e+19 2020-08-20        0      0    12      G     69
## 1705 1.709932e+19 2020-08-20        0      0    31      A     50
## 1706 1.710818e+19 2020-08-13        0      0     2      D     87
## 1707 1.711783e+19 2020-08-10        0      0     2      A     45
## 1708 1.711840e+18 2020-08-16        0      0     2      D      0
## 1709 1.712892e+19 2020-08-13        0      0     1      A     16
## 1710 1.713684e+19 2020-08-15        0      0     4      A     65
## 1711 1.714708e+18 2020-08-17        0      0    22      A     38
## 1712 1.715343e+19 2020-08-14        0      0     1      D     86
## 1713 1.715723e+18 2020-08-11        0      0     2      A     18
## 1714 1.716085e+19 2020-08-11        0      0     8      G     54
## 1715 1.716984e+19 2020-08-13        0      0     6      G    208
## 1716 1.717016e+19 2020-08-18        0      0     3      D     33
## 1717 1.717772e+19 2020-08-10        0      0     1      A    141
## 1718 1.718602e+19 2020-08-13        0      0     6      A      0
## 1719 1.719464e+19 2020-08-16        0      0     1      B      0
## 1720 1.719880e+19 2020-08-19        0      0     4      A     30
## 1721 1.719972e+19 2020-08-18        1    796     2      D      0
## 1722 1.720956e+19 2020-08-13        0      0     1      A     16
## 1723 1.721119e+19 2020-08-11        0      0    30      A      0
## 1724 1.721565e+19 2020-08-14        0      0    16      C     13
## 1725 1.722431e+18 2020-08-14        0      0    14      C     37
## 1726 1.724379e+19 2020-08-12        0      0     1      A    108
## 1727 1.724682e+19 2020-08-15        0      0    11      A     65
## 1728 1.724841e+19 2020-08-19        0      0     5      E      9
## 1729 1.725135e+19 2020-08-15        0      0     7      A     12
## 1730 1.725328e+19 2020-08-17        0      0     1      F     32
## 1731 1.725383e+19 2020-08-12        0      0     7      E      0
## 1732 1.725431e+19 2020-08-19        0      0     9      D     70
## 1733 1.725672e+19 2020-08-18        0      0     1      A     28
## 1734 1.725884e+19 2020-08-16        0      0     1      A     39
## 1735 1.726870e+19 2020-08-18        0      0     4      D      0
## 1736 1.727570e+19 2020-08-20        0      0     4      A     50
## 1737 1.728180e+19 2020-08-20        0      0    39      C      0
## 1738 1.728663e+19 2020-08-11        0      0     3      A      0
## 1739 1.728929e+19 2020-08-15        0      0     2      A     14
## 1740 1.729646e+18 2020-08-18        0      0     8      F     78
## 1741 1.729681e+19 2020-08-13        0      0     4   <NA>     14
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## 1742 1.730425e+19 2020-08-19        0      0     59        A        0
## 1743 1.730696e+19 2020-08-16        0      0      2        A       39
## 1744 1.730794e+19 2020-08-15        0      0      6        G      108
## 1745 1.730946e+19 2020-08-10        0      0      2        D        0
## 1746 1.730952e+19 2020-08-12        0      0      5        C       53
## 1747 1.731135e+19 2020-08-19        0      0     14        F       46
## 1748 1.731181e+18 2020-08-18        0      0     65        A       52
## 1749 1.731574e+19 2020-08-17        0      0      8        C       81
## 1750 1.731879e+19 2020-08-10        0      0     16        B       41
## 1751 1.731993e+19 2020-08-15        0      0      3        A      131
## 1752 1.733195e+19 2020-08-19        0      0      6        B       81
## 1753 1.733653e+19 2020-08-15        0      0      2        A        0
## 1754 1.734331e+19 2020-08-16        0      0      1        A        0
## 1755 1.734802e+19 2020-08-20        0      0      5        A       26
## 1756 1.735589e+19 2020-08-11        0      0     66        A       90
## 1757 1.735841e+19 2020-08-10        1   1149     32        A        0
## 1758 1.736074e+19 2020-08-14        0      0     19        C       57
## 1759 1.736793e+19 2020-08-18        0      0      2        A       31
## 1760 1.736964e+19 2020-08-10        0      0     27        A       17
## 1761 1.738181e+19 2020-08-12        0      0      3        C        0
## 1762 1.738383e+19 2020-08-14        0      0      2        B       37
## 1763 1.738729e+19 2020-08-18        0      0      1        A        0
## 1764 1.739460e+19 2020-08-10        0      0      7        F        0
## 1765 1.739639e+19 2020-08-19        0      0      5        A       27
## 1766 1.741393e+19 2020-08-15        0      0     17        G      156
## 1767 1.742790e+19 2020-08-14        0      0      5        D       41
## 1768 1.743300e+19 2020-08-12        0      0     12        A       15
## 1769 1.743637e+19 2020-08-14        0      0      2        D        0
## 1770 1.743656e+19 2020-08-15        0      0      6        A        0
## 1771 1.743743e+19 2020-08-18        0      0     10        A        0
## 1772 1.744208e+19 2020-08-11        0      0      4        A        0
## 1773 1.744248e+19 2020-08-16        0      0     23        A       54
## 1774 1.745681e+19 2020-08-18        0      0     13        C        0
## 1775 1.746410e+19 2020-08-15        0      0     12        C       50
## 1776 1.746815e+19 2020-08-16        0      0      5        G       84
## 1777 1.749294e+19 2020-08-19        0      0     10        A       70
## 1778 1.749354e+19 2020-08-10        0      0     14        A       43
## 1779 1.750197e+19 2020-08-14        0      0     28        A       14
## 1780 1.750368e+19 2020-08-15        0      0      1        A       50
## 1781 1.750462e+19 2020-08-11        0      0      5        A      135
## 1782 1.750601e+19 2020-08-18        0      0      6     <NA>       81
## 1783 1.750912e+19 2020-08-17        0      0      3        D        0
## 1784 1.750946e+18 2020-08-13        0      0      7     <NA>        2
## 1785 1.752572e+17 2020-08-12        0      0      8        C        0
## 1786 1.752899e+19 2020-08-17        0      0      4        A       32
## 1787 1.753161e+19 2020-08-20        0      0      1        A        0
## 1788 1.753443e+18 2020-08-15        0      0      3        A       12
## 1789 1.753651e+19 2020-08-17        0      0      5        D        0
## 1790 1.753708e+19 2020-08-13        0      0      1        A        0
## 1791 1.754323e+19 2020-08-13        0      0      4        A        0
## 1792 1.755425e+19 2020-08-16        0      0     37        B       35
## 1793 1.755736e+19 2020-08-15        0      0      3     <NA>       81
## 1794 1.755803e+19 2020-08-17        0      0     60        B       34
## 1795 1.755839e+19 2020-08-20        0      0      1        A       35
```

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## 1796 1.756981e+19 2020-08-12        0      0      5        A        0
## 1797 1.758122e+19 2020-08-18        0      0      6        A        0
## 1798 1.758223e+18 2020-08-20        0      0     10        C       81
## 1799 1.758723e+19 2020-08-16        0      0      5        G       35
## 1800 1.759129e+18 2020-08-19        0      0      6        A      127
## 1801 1.759520e+18 2020-08-17        0      0      5        C        0
## 1802 1.760415e+19 2020-08-11        0      0      6        D       40
## 1803 1.761692e+19 2020-08-13        0      0     11        C        0
## 1804 1.761742e+19 2020-08-10        0      0      1        A        0
## 1805 1.762288e+19 2020-08-10        0      0      1        A       19
## 1806 1.763064e+19 2020-08-20        0      0     14        C        0
## 1807 1.763451e+19 2020-08-19        0      0      1        A        8
## 1808 1.763611e+19 2020-08-16        0      0      1        A       49
## 1809 1.764015e+19 2020-08-17        0      0      2        C        0
## 1810 1.764591e+19 2020-08-20        0      0      1        A        0
## 1811 1.765670e+19 2020-08-13        0      0      2        G       52
## 1812 1.766378e+19 2020-08-10        0      0     16        A      141
## 1813 1.766624e+19 2020-08-13        0      0     13        A        0
## 1814 1.768223e+19 2020-08-16        0      0     30        C       81
## 1815 1.768657e+19 2020-08-20        0      0     26        B       62
## 1816 1.768921e+19 2020-08-11        0      0     12        A       16
## 1817 1.769024e+19 2020-08-10        0      0      1        A       17
## 1818 1.769896e+19 2020-08-10        0      0      3        A       18
## 1819 1.769932e+19 2020-08-12        0      0      4        B        0
## 1820 1.770017e+19 2020-08-20        0      0      1        A        7
## 1821 1.770187e+19 2020-08-11        0      0      4        F        0
## 1822 1.770314e+19 2020-08-11        0      0      5        A        0
## 1823 1.770802e+19 2020-08-20        0      0      6        C        0
## 1824 1.771724e+18 2020-08-20        0      0      2        A        0
## 1825 1.772106e+19 2020-08-17        0      0      1        A       29
## 1826 1.772221e+19 2020-08-16        0      0     28        F       35
## 1827 1.772664e+19 2020-08-13        0      0      1        A        0
## 1828 1.772875e+19 2020-08-18        0      0      7        A       37
## 1829 1.773625e+19 2020-08-11        0      0      3        A      109
## 1830 1.773884e+19 2020-08-13        0      0      2        A        0
## 1831 1.774887e+18 2020-08-15        0      0      3        A      105
## 1832 1.775795e+19 2020-08-19        0      0     12        A       51
## 1833 1.777010e+19 2020-08-16        0      0      3        E        0
## 1834 1.777518e+19 2020-08-15        0      0      5        A        0
## 1835 1.777750e+18 2020-08-13        0      0     35        A        0
## 1836 1.778964e+19 2020-08-18        0      0      1        G      223
## 1837 1.779287e+19 2020-08-17        0      0      7        A       29
## 1838 1.779969e+19 2020-08-16        0      0     13        A        0
## 1839 1.779986e+19 2020-08-17        0      0      2        A        0
## 1840 1.780107e+19 2020-08-12        0      0      3        G       53
## 1841 1.780213e+19 2020-08-17        0      0      3        A        0
## 1842 1.783061e+19 2020-08-15        0      0      4        A       14
## 1843 1.783219e+19 2020-08-13        1   2029      2        A       42
## 1844 1.783425e+19 2020-08-16        0      0      3        A       54
## 1845 1.785300e+19 2020-08-19        1   1929     14        A       27
## 1846 1.785371e+19 2020-08-15        0      0      3        A       12
## 1847 1.785830e+19 2020-08-17        0      0     53        A        0
## 1848 1.787131e+19 2020-08-10        0      0     15        A      136
## 1849 1.787639e+18 2020-08-18        0      0      7        A       71
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## 1850 1.787639e+19 2020-08-16        0       0      17        F        0
## 1851 1.788311e+19 2020-08-12        0       0       1     <NA>       15
## 1852 1.788726e+19 2020-08-11        0       0       5        G       81
## 1853 1.789172e+19 2020-08-20        0       0      48        A       50
## 1854 1.789198e+19 2020-08-14        0       0       6        A       62
## 1855 1.789500e+19 2020-08-18        0       0       2        A       52
## 1856 1.790746e+19 2020-08-18        0       0      16        B      223
## 1857 1.791466e+19 2020-08-15        0       0       2        A        0
## 1858 1.791653e+19 2020-08-19        0       0       3        A      141
## 1859 1.791929e+19 2020-08-10        0       0       9        A       17
## 1860 1.792347e+19 2020-08-12        0       0       1        A       89
## 1861 1.793111e+19 2020-08-15        0       0       1        A        0
## 1862 1.793530e+18 2020-08-20        0       0       1        A       35
## 1863 1.793594e+19 2020-08-20        0       0      27        A        0
## 1864 1.794280e+19 2020-08-20        0       0       2        A       50
## 1865 1.794619e+19 2020-08-19        0       0      12        D      152
## 1866 1.794856e+18 2020-08-15        0       0      12        F        0
## 1867 1.795148e+18 2020-08-13        0       0      43        C      208
## 1868 1.795234e+19 2020-08-11        0       0       4        A        0
## 1869 1.795946e+19 2020-08-18        0       0      61        A       28
## 1870 1.796195e+18 2020-08-10        0       0       7        C       43
## 1871 1.796780e+18 2020-08-11        1     669      39        C        4
## 1872 1.797042e+18 2020-08-15        0       0       1        A        0
## 1873 1.797588e+19 2020-08-18        0       0       6        A        0
## 1874 1.797935e+19 2020-08-13        0       0      33        A        0
## 1875 1.798459e+19 2020-08-20        0       0       1        A       50
## 1876 1.799005e+19 2020-08-20        0       0       4        A       29
## 1877 1.799320e+19 2020-08-12        0       0       1        D        0
## 1878 1.799459e+19 2020-08-11        0       0      37        A        0
## 1879 1.799959e+19 2020-08-10        0       0       4        A        0
## 1880 1.801048e+18 2020-08-15        0       0       8        B       50
## 1881 1.801190e+19 2020-08-20        0       0       2        D       69
## 1882 1.802045e+19 2020-08-15        0       0       5        A       65
## 1883 1.802143e+18 2020-08-15        0       0       3        A        0
## 1884 1.802161e+19 2020-08-12        0       0       5        A        0
## 1885 1.804087e+19 2020-08-16        0       0       1        A      103
## 1886 1.804861e+19 2020-08-15        0       0       8        A       40
## 1887 1.805154e+19 2020-08-19        0       0       7        A      127
## 1888 1.805566e+19 2020-08-14        0       0       4        G      157
## 1889 1.805665e+19 2020-08-15        0       0       2        E        0
## 1890 1.805897e+18 2020-08-18        0       0       5        C        0
## 1891 1.806104e+19 2020-08-13        0       0      13        C        2
## 1892 1.806123e+19 2020-08-15        0       0      17        A        0
## 1893 1.806593e+19 2020-08-14        0       0       7        A        0
## 1894 1.808230e+19 2020-08-10        0       0       1        A       91
## 1895 1.808456e+19 2020-08-16        0       0      12        C       35
## 1896 1.809749e+17 2020-08-10        0       0      10        D        0
## 1897 1.809908e+19 2020-08-10        0       0      15        B       41
## 1898 1.810372e+19 2020-08-11        0       0       2        G      223
## 1899 1.810749e+19 2020-08-12        0       0      11     <NA>        3
## 1900 1.811348e+19 2020-08-20        0       0       4        A        0
## 1901 1.811353e+19 2020-08-13        0       0       7        A        0
## 1902 1.811509e+19 2020-08-12        0       0      11        B       39
## 1903 1.811612e+19 2020-08-17        0       0       4        A       38
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## 1904 1.811748e+19 2020-08-20        0       0       2       A       0
## 1905 1.811791e+19 2020-08-11        0       0       7       A      18
## 1906 1.811831e+19 2020-08-14        0       0       5       A       0
## 1907 1.811892e+19 2020-08-12        0       0       1       D       0
## 1908 1.811941e+19 2020-08-19        0       0       8       B       0
## 1909 1.813584e+19 2020-08-12        0       0      19       A       0
## 1910 1.814758e+19 2020-08-18        0       0      22       A      52
## 1911 1.814847e+19 2020-08-17        0       0       2       A      38
## 1912 1.815054e+19 2020-08-16        0       0       1       A      12
## 1913 1.815606e+18 2020-08-14        0       0       3       A      65
## 1914 1.815662e+19 2020-08-15        0       0       2       A       0
## 1915 1.815950e+19 2020-08-11        0       0      11       A       0
## 1916 1.816713e+19 2020-08-17        0       0      22       A      29
## 1917 1.816940e+19 2020-08-17        0       0      20       B      34
## 1918 1.817720e+19 2020-08-12        0       0       3       A     134
## 1919 1.818185e+19 2020-08-17        0       0       2       A      72
## 1920 1.818824e+19 2020-08-17        0       0      15       A       0
## 1921 1.818867e+19 2020-08-14        0       0       3       A      41
## 1922 1.819199e+19 2020-08-13        0       0       1       A      42
## 1923 1.821195e+19 2020-08-20        0       0      28       B      62
## 1924 1.822136e+19 2020-08-15        0       0       2       B      56
## 1925 1.822226e+19 2020-08-19        0       0       1       A       0
## 1926 1.822729e+19 2020-08-11        0       0       1       A      16
## 1927 1.824518e+19 2020-08-14        0       0       4       E       0
## 1928 1.825016e+19 2020-08-12        0       0       9       B       0
## 1929 1.826257e+19 2020-08-10        0       0      75       A      91
## 1930 1.826680e+19 2020-08-18        0       0       1       D      82
## 1931 1.826895e+19 2020-08-12        0       0      12       D      39
## 1932 1.827078e+19 2020-08-13        0       0       2       D      65
## 1933 1.827252e+19 2020-08-12        0       0       1       A      43
## 1934 1.827468e+19 2020-08-12        0       0       1       A      91
## 1935 1.827991e+18 2020-08-16        0       0       7       C      49
## 1936 1.828869e+19 2020-08-11        0       0       2       D      65
## 1937 1.829435e+19 2020-08-12        0       0       7       C      59
## 1938 1.829669e+19 2020-08-15        0       0       1       A      12
## 1939 1.830127e+19 2020-08-11        0       0      25       G      54
## 1940 1.830270e+19 2020-08-14        0       0       9       A       0
## 1941 1.830276e+19 2020-08-16        0       0       2       A      33
## 1942 1.830281e+19 2020-08-14        0       0       5       A      14
## 1943 1.831398e+19 2020-08-13        0       0      12       A       0
## 1944 1.831851e+19 2020-08-17        0       0       2       A       0
## 1945 1.832349e+19 2020-08-10        0       0       2       A      91
## 1946 1.832397e+19 2020-08-10        0       0       8       A     110
## 1947 1.832918e+19 2020-08-17        0       0      10       A       0
## 1948 1.832946e+19 2020-08-15        0       0       5       A       0
## 1949 1.833229e+19 2020-08-13        0       0       1       B     141
## 1950 1.834199e+18 2020-08-15        0       0       4       A      62
## 1951 1.835426e+19 2020-08-19        0       0      11       C      70
## 1952 1.835750e+19 2020-08-19        0       0       5       C      70
## 1953 1.836754e+19 2020-08-17        1    1799       8       A      10
## 1954 1.836966e+19 2020-08-17        0       0       6       C     208
## 1955 1.836996e+18 2020-08-17        0       0       1       A      53
## 1956 1.837043e+19 2020-08-12        0       0       2       A       0
## 1957 1.837085e+19 2020-08-18        0       0       3       D       0
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## 1958 1.837427e+19 2020-08-15    0    0    5    A    65
## 1959 1.837680e+19 2020-08-16    0    0   16    B    35
## 1960 1.838167e+19 2020-08-20    0    0   15    D    29
## 1961 1.838368e+19 2020-08-10    0    0    1    A     0
## 1962 1.839675e+19 2020-08-16    0    0    7    A     0
## 1963 1.840319e+19 2020-08-12    0    0    5    A   108
## 1964 1.840398e+19 2020-08-16    0    0    3    B     0
## 1965 1.840933e+19 2020-08-15    0    0    2    G    36
## 1966 1.841035e+19 2020-08-12    0    0    4    C   208
## 1967 1.841957e+19 2020-08-20    0    0   32    C    26
## 1968 1.842094e+19 2020-08-19    0    0    2    A     0
## 1969 1.842144e+19 2020-08-10    0    0    2    B    79
## 1970 1.843930e+19 2020-08-12    0    0    1    D    81
## 1971 1.844110e+19 2020-08-17    1 1339   12    G    72
## 1972 1.846093e+18 2020-08-17    0    0   54    A     0
## 1973 1.856906e+18 2020-08-13    0    0   10    A    16
## 1974 1.857100e+18 2020-08-11    0    0    5    B    40
## 1975 1.857462e+18 2020-08-11    0    0    5    B   208
## 1976 1.862611e+18 2020-08-10    0    0   13    D   100
## 1977 1.864081e+18 2020-08-12    0    0    1    A     0
## 1978 1.865410e+18 2020-08-15    0    0    2    A     0
## 1979 1.875881e+18 2020-08-20    0    0    3    A    26
## 1980 1.883947e+18 2020-08-10    0    0    2    A     0
## 1981 1.891443e+18 2020-08-16    0    0   10    A     0
## 1982 1.894905e+18 2020-08-16    0    0    1    A     0
## 1983 1.895888e+17 2020-08-11    0    0    3    A     0
## 1984 1.897011e+18 2020-08-18    0    0   36    A     0
## 1985 1.898465e+18 2020-08-14    0    0    1    A   132
## 1986 1.898746e+18 2020-08-13    0    0    1    A     0
## 1987 1.901681e+18 2020-08-14    0    0    1    F    15
## 1988 1.907724e+17 2020-08-16    0    0    6    A    54
## 1989 1.915457e+18 2020-08-16    0    0    3    C     0
## 1990 1.930714e+18 2020-08-18    0    0    7    D    65
## 1991 1.931236e+18 2020-08-13    0    0   24    A     0
## 1992 1.932755e+18 2020-08-13    0    0    3    B   208
## 1993 1.941531e+18 2020-08-20    0    0    2    B    69
## 1994 1.944990e+18 2020-08-17    0    0   48    F    34
## 1995 1.961767e+18 2020-08-12    0    0    2    A    91
## 1996 1.962205e+17 2020-08-20    0    0   10    D     0
## 1997 1.969823e+18 2020-08-11    0    0    2    C     0
## 1998 1.973436e+18 2020-08-16    0    0   23    C    35
## 1999 1.983784e+18 2020-08-14    0    0    8    A     0
## 2000 1.986991e+18 2020-08-11    0    0    8    C     0
## 2001 1.988789e+17 2020-08-19    0    0    1    A     0
## 2002 1.990561e+18 2020-08-14    0    0    4    A    41
## 2003 1.991598e+18 2020-08-18    1  989   48    A     0
## 2004 1.999106e+18 2020-08-18    0    0    2    D     0
## 2005 2.398917e+18 2020-08-13    0    0    7    B    38
## 2006 2.454450e+18 2020-08-14    0    0    3    A     0
## 2007 2.964428e+18 2020-08-16    0    0   22    A    39
## 2008 2.003800e+18 2020-08-18    0    0   14    C    33
## 2009 2.006410e+18 2020-08-18    0    0    2    A     0
## 2010 2.006415e+18 2020-08-16    0    0    1    A    33
## 2011 2.009111e+18 2020-08-19    0    0    4    A    27
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## 2012 2.019067e+18 2020-08-20        0      0      5      B      69
## 2013 2.028069e+18 2020-08-14        0      0      3      A      62
## 2014 2.028259e+18 2020-08-17        0      0      4      A       0
## 2015 2.033801e+18 2020-08-20        0      0      4      C      31
## 2016 2.034863e+16 2020-08-17        0      0      3      C      72
## 2017 2.036459e+18 2020-08-12        0      0      1      A      15
## 2018 2.037812e+18 2020-08-20        0      0      1      A      50
## 2019 2.039611e+18 2020-08-11        1    599     34      B      40
## 2020 2.043822e+18 2020-08-13        0      0      7      D      81
## 2021 2.046883e+18 2020-08-18        0      0     31      A       0
## 2022 2.048152e+18 2020-08-12        0      0      2      A       0
## 2023 2.048351e+18 2020-08-12        0      0     81      A       0
## 2024 2.051039e+18 2020-08-16        0      0     11      B      35
## 2025 2.052889e+18 2020-08-17        0      0      5      A       0
## 2026 2.053234e+18 2020-08-15        1    859      1      A       0
## 2027 2.070095e+18 2020-08-12        0      0     10      B       0
## 2028 2.074640e+18 2020-08-15        0      0     10      A       0
## 2029 2.074781e+18 2020-08-20        0      0      8      F       0
## 2030 2.079815e+18 2020-08-19        0      0     21      C      60
## 2031 2.085788e+18 2020-08-13        0      0      3      A      16
## 2032 2.091476e+18 2020-08-20        0      0      2      G      69
## 2033 2.102400e+18 2020-08-19        0      0      1      A       0
## 2034 2.108923e+18 2020-08-19        0      0     13      A       0
## 2035 2.111130e+18 2020-08-17        0      0      3      A      38
## 2036 2.114245e+18 2020-08-19        0      0      1      D       0
## 2037 2.122742e+18 2020-08-10        0      0     74      C     208
## 2038 2.123806e+18 2020-08-19        0      0     14      F     100
## 2039 2.126630e+18 2020-08-19        0      0      3   <NA>      81
## 2040 2.132416e+18 2020-08-10        0      0     16      A       0
## 2041 2.134316e+18 2020-08-20        0      0     10      A       0
## 2042 2.138232e+18 2020-08-10        0      0      8      E       0
## 2043 2.140862e+18 2020-08-10        0      0     45      B       5
## 2044 2.143504e+18 2020-08-14        0      0      1      A      14
## 2045 2.143913e+18 2020-08-19        0      0      6      A       0
## 2046 2.146142e+18 2020-08-14        0      0     12      B       0
## 2047 2.150489e+18 2020-08-14        0      0      6      C       0
## 2048 2.156482e+18 2020-08-20        0      0     12      B      69
## 2049 2.157128e+18 2020-08-12        0      0      7      B       0
## 2050 2.166374e+18 2020-08-12        0      0      1      A       0
## 2051 2.170140e+18 2020-08-20        0      0      8      C      65
## 2052 2.173444e+18 2020-08-18        0      0      1      A       0
## 2053 2.173940e+18 2020-08-19        0      0      1      A      27
## 2054 2.174828e+18 2020-08-15        0      0     15      A       0
## 2055 2.178358e+18 2020-08-17        0      0      3      D       0
## 2056 2.184180e+18 2020-08-12        0      0      4      A      17
## 2057 2.187520e+17 2020-08-17        0      0     21      A       0
## 2058 2.189397e+18 2020-08-15        0      0     41      F      36
## 2059 2.193749e+18 2020-08-19        0      0      2      A       8
## 2060 2.193932e+18 2020-08-10        0      0      1      A      19
## 2061 2.200675e+18 2020-08-16        0      0      2      A      12
## 2062 2.201212e+18 2020-08-18        0      0      7      C      81
## 2063 2.208535e+18 2020-08-15        0      0      1      A      12
## 2064 2.209015e+18 2020-08-12        0      0      3      B       0
## 2065 2.212596e+18 2020-08-18        0      0      1      F     101
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## 2066 2.216293e+18 2020-08-18        0     0      2      A        9
## 2067 2.222579e+18 2020-08-20        0     0     29      C        0
## 2068 2.223101e+18 2020-08-12        0     0     11      B       39
## 2069 2.224946e+18 2020-08-14        0     0      3      A       41
## 2070 2.233269e+18 2020-08-19        0     0      6      C        0
## 2071 2.238339e+18 2020-08-15        0     0      5      A       12
## 2072 2.241557e+18 2020-08-11        0     0      2      A        0
## 2073 2.249247e+18 2020-08-17        0     0     11      A       53
## 2074 2.253144e+18 2020-08-12        0     0      4      D      111
## 2075 2.255237e+18 2020-08-16        0     0     10      F       80
## 2076 2.256794e+18 2020-08-16        0     0      4      C       81
## 2077 2.262609e+18 2020-08-15        0     0      2      A       12
## 2078 2.267692e+18 2020-08-12        0     0     14      C       15
## 2079 2.275923e+18 2020-08-20        0     0     18      B        0
## 2080 2.279159e+18 2020-08-19        0     0      1      D        0
## 2081 2.289412e+18 2020-08-16        0     0      2      A       54
## 2082 2.291426e+18 2020-08-17        0     0      4      C       81
## 2083 2.298960e+18 2020-08-10        1   699     18      C       41
## 2084 2.304813e+18 2020-08-14        0     0      3      A       66
## 2085 2.305310e+18 2020-08-10        0     0      1      B       41
## 2086 2.305377e+18 2020-08-10        0     0      1      F        0
## 2087 2.306716e+18 2020-08-15        0     0     10   <NA>        0
## 2088 2.308830e+18 2020-08-20        0     0     14   <NA>        0
## 2089 2.313473e+17 2020-08-17        0     0      2      G       48
## 2090 2.321298e+18 2020-08-10        0     0     51      A        0
## 2091 2.327592e+18 2020-08-18        0     0      2      A        0
## 2092 2.330795e+18 2020-08-12        0     0      1      A       89
## 2093 2.331347e+18 2020-08-11        0     0      4      B       40
## 2094 2.332570e+18 2020-08-14        0     0      6      A      141
## 2095 2.337590e+18 2020-08-16        0     0      6      A      141
## 2096 2.345731e+18 2020-08-15        0     0      5      G       50
## 2097 2.349286e+18 2020-08-18        0     0      3      A        0
## 2098 2.358025e+18 2020-08-11        0     0     46   <NA>       98
## 2099 2.359477e+18 2020-08-11        0     0      3      A       44
## 2100 2.365000e+17 2020-08-14        0     0     10      A        0
## 2101 2.367699e+17 2020-08-11        0     0      1      G       65
## 2102 2.369959e+18 2020-08-17        0     0      1      A       10
## 2103 2.374716e+18 2020-08-13        0     0      1      G       52
## 2104 2.376416e+18 2020-08-16        0     0      1      A       54
## 2105 2.377849e+18 2020-08-11        0     0     29      C       81
## 2106 2.380145e+18 2020-08-16        0     0      2      A        0
## 2107 2.382309e+18 2020-08-17        0     0      2      A        0
## 2108 2.386710e+17 2020-08-15        0     0      5      D       94
## 2109 2.388523e+18 2020-08-10        0     0      2      G        5
## 2110 2.389623e+18 2020-08-11        0     0      9      D      160
## 2111 2.394638e+18 2020-08-17        0     0      4      D        0
## 2112 2.395953e+17 2020-08-15        0     0      4      D       36
## 2113 2.403015e+18 2020-08-18        0     0      8      C        0
## 2114 2.406545e+18 2020-08-14        0     0      4      E        0
## 2115 2.409532e+18 2020-08-14        0     0      1      D       51
## 2116 2.417870e+18 2020-08-15        0     0      2      A        0
## 2117 2.421006e+18 2020-08-12        0     0      1      A       43
## 2118 2.421307e+18 2020-08-20        0     0      5      A       50
## 2119 2.427364e+18 2020-08-16        0     0      1      A        0
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## 2120 2.431152e+18 2020-08-10          0      0      1        A        0
## 2121 2.433443e+18 2020-08-17          1    619      4        A        0
## 2122 2.437716e+18 2020-08-20          0      0      3        A       35
## 2123 2.438243e+18 2020-08-17          0      0      2        B        0
## 2124 2.439720e+18 2020-08-12          0      0     10        B       59
## 2125 2.439805e+18 2020-08-14          0      0      7        A        0
## 2126 2.446384e+18 2020-08-13          0      0      7        A        0
## 2127 2.452047e+17 2020-08-17          0      0      1        A       53
## 2128 2.453173e+18 2020-08-13          0      0     12        B       58
## 2129 2.455885e+18 2020-08-17          0      0      1        A       38
## 2130 2.470188e+18 2020-08-15          0      0      2        G       50
## 2131 2.470674e+18 2020-08-18          0      0      6        A      128
## 2132 2.472256e+18 2020-08-13          0      0      2        D       58
## 2133 2.480578e+18 2020-08-16          0      0      4        A        0
## 2134 2.486375e+18 2020-08-17          0      0     17        A        0
## 2135 2.487006e+18 2020-08-12          0      0      3        E        0
## 2136 2.488968e+18 2020-08-13          0      0      1        A       62
## 2137 2.490375e+18 2020-08-20          0      0      2        A        0
## 2138 2.495180e+18 2020-08-15          0      0      8        G       85
## 2139 2.499385e+18 2020-08-16          0      0      1        B        0
## 2140 2.499744e+18 2020-08-14          0      0     43        A        0
## 2141 2.514533e+18 2020-08-13          0      0      1        A        0
## 2142 2.517482e+18 2020-08-10          0      0     37        A       17
## 2143 2.518413e+18 2020-08-10          0      0      4        G       55
## 2144 2.520884e+18 2020-08-19          0      0     15        B       32
## 2145 2.524384e+18 2020-08-15          0      0      5        D        0
## 2146 2.545327e+18 2020-08-11          0      0      4        D       40
## 2147 2.548366e+18 2020-08-12          0      0      3        A        0
## 2148 2.550596e+18 2020-08-16          0      0     15        A        0
## 2149 2.551359e+17 2020-08-12          0      0      8        A       43
## 2150 2.556528e+18 2020-08-19          0      0      2        A        0
## 2151 2.562349e+18 2020-08-20          0      0      1        A        0
## 2152 2.562960e+18 2020-08-15          0      0      1        D        0
## 2153 2.564537e+18 2020-08-10          0      0      1        A       17
## 2154 2.565215e+18 2020-08-10          0      0      1        A       45
## 2155 2.566170e+18 2020-08-17          0      0     17        D        0
## 2156 2.575791e+18 2020-08-11          0      0     11        C       40
## 2157 2.576736e+18 2020-08-13          0      0      2        A        0
## 2158 2.580411e+18 2020-08-14          0      0      9        A       13
## 2159 2.583567e+18 2020-08-12          0      0      9        C       62
## 2160 2.602529e+18 2020-08-12          0      0      1        A       89
## 2161 2.604693e+18 2020-08-15          0      0     16        C        0
## 2162 2.608836e+18 2020-08-10          0      0      4        A      141
## 2163 2.621333e+18 2020-08-20          0      0      3        B        0
## 2164 2.623898e+17 2020-08-12          0      0     49        B       53
## 2165 2.627462e+18 2020-08-17          0      0      3     <NA>       81
## 2166 2.629588e+18 2020-08-20          0      0      2        A       35
## 2167 2.631509e+18 2020-08-19          0      0      2        B        0
## 2168 2.638231e+18 2020-08-12          0      0      4        G       53
## 2169 2.640095e+18 2020-08-17          0      0     32        A       53
## 2170 2.644891e+18 2020-08-17          0      0      2        A       11
## 2171 2.647693e+18 2020-08-16          0      0      1        A        0
## 2172 2.652366e+18 2020-08-15          0      0     42        C        0
## 2173 2.654699e+18 2020-08-16          0      0      5        A       12
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## 2174 2.657552e+18 2020-08-14    0    0   13   A    65
## 2175 2.661521e+18 2020-08-10    0    0    5   B     0
## 2176 2.670502e+18 2020-08-10    0    0   33   F    41
## 2177 2.671764e+18 2020-08-13    0    0   19   B     0
## 2178 2.672345e+18 2020-08-18    1  799   23   B    33
## 2179 2.676948e+18 2020-08-10    0    0   15   C    19
## 2180 2.678913e+18 2020-08-15    0    0   12   B     0
## 2181 2.680526e+17 2020-08-19    0    0    1   A    51
## 2182 2.683292e+18 2020-08-17    0    0    7   A    32
## 2183 2.696040e+18 2020-08-11    0    0    4   D    40
## 2184 2.697182e+18 2020-08-20    0    0    1   A    50
## 2185 2.697905e+18 2020-08-16    0    0   39   C     0
## 2186 2.698485e+17 2020-08-16    0    0    4   A    11
## 2187 2.704276e+18 2020-08-13    0    0   35   B    38
## 2188 2.705655e+18 2020-08-14    0    0    2   A    57
## 2189 2.706789e+18 2020-08-19    0    0    8   F    30
## 2190 2.709288e+18 2020-08-13    0    0    2   A    14
## 2191 2.715670e+18 2020-08-19    1  299   10   A     0
## 2192 2.720867e+18 2020-08-12    0    0    5   C    39
## 2193 2.722081e+18 2020-08-15    0    0   24   D    36
## 2194 2.726315e+18 2020-08-17    0    0    5   C    72
## 2195 2.728851e+18 2020-08-20    0    0    7   A     0
## 2196 2.732134e+18 2020-08-19    0    0    2   B    32
## 2197 2.734122e+18 2020-08-18    0    0    3   A   128
## 2198 2.736786e+18 2020-08-18    0    0   91   A     0
## 2199 2.743798e+18 2020-08-19    0    0    2   A    36
## 2200 2.746354e+18 2020-08-17    0    0    1   A    32
## 2201 2.760650e+18 2020-08-18    1  249    8   D    71
## 2202 2.760667e+18 2020-08-13    0    0    1   A    15
## 2203 2.764093e+18 2020-08-10    0    0    1   A     0
## 2204 2.764527e+18 2020-08-11    0    0    1   E   135
## 2205 2.764546e+18 2020-08-19    0    0   31   A     8
## 2206 2.770336e+17 2020-08-11    1 1194   16   D    99
## 2207 2.784667e+17 2020-08-10    0    0    5   A     0
## 2208 2.791574e+18 2020-08-14    0    0    3   C    13
## 2209 2.792204e+17 2020-08-16    0    0    3   A    54
## 2210 2.792302e+18 2020-08-13    0    0    4   A     0
## 2211 2.792964e+18 2020-08-20    0    0    7   A     0
## 2212 2.797125e+18 2020-08-15    0    0    9   D     0
## 2213 2.798831e+18 2020-08-15    0    0    4   A     0
## 2214 2.803742e+18 2020-08-15    0    0   17   B     0
## 2215 2.806503e+18 2020-08-18    0    0    1   B    81
## 2216 2.807356e+18 2020-08-10    0    0   20   A    17
## 2217 2.810712e+18 2020-08-12    0    0    4   A    15
## 2218 2.823819e+18 2020-08-13    0    0    3   G   158
## 2219 2.827017e+18 2020-08-14    0    0    5   B    51
## 2220 2.827186e+18 2020-08-12    0    0    4   A     0
## 2221 2.831684e+18 2020-08-12    0    0   21   C     0
## 2222 2.835813e+18 2020-08-10    0    0    1   A    17
## 2223 2.836247e+18 2020-08-19    0    0    3   D     9
## 2224 2.843763e+18 2020-08-14    0    0    3   B    37
## 2225 2.855130e+18 2020-08-13    0    0    2   B     0
## 2226 2.857284e+18 2020-08-16    0    0   17   A     0
## 2227 2.866556e+18 2020-08-18    0    0    1   A    37
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## 2228 2.871475e+16 2020-08-15        0      0    1       A      56
## 2229 2.871780e+18 2020-08-18        0      0    1       A       0
## 2230 2.877201e+18 2020-08-10        0      0   16       A       0
## 2231 2.885123e+18 2020-08-17        0      0    5       A      32
## 2232 2.885416e+18 2020-08-14        0      0    1       A      62
## 2233 2.894036e+17 2020-08-11        0      0    4       G     160
## 2234 2.898384e+18 2020-08-11        0      0   16       A      44
## 2235 2.901660e+18 2020-08-15        0      0    7       A      13
## 2236 2.901758e+18 2020-08-20        0      0   21       G      45
## 2237 2.902481e+18 2020-08-14        0      0    1       A     106
## 2238 2.905715e+18 2020-08-16        0      0   24       A       0
## 2239 2.920627e+18 2020-08-20        0      0   10       A      50
## 2240 2.923279e+18 2020-08-12        0      0    7       A      68
## 2241 2.926980e+18 2020-08-14        0      0   10       C      37
## 2242 2.931740e+18 2020-08-12        0      0   46       C     208
## 2243 2.932467e+18 2020-08-13        0      0    1       A      15
## 2244 2.934784e+17 2020-08-19        0      0    9       G     152
## 2245 2.935750e+18 2020-08-14        0      0    5       A       0
## 2246 2.940008e+18 2020-08-12        0      0    9       C      59
## 2247 2.940411e+18 2020-08-15        0      0   24       C      56
## 2248 2.941314e+18 2020-08-19        0      0   26       B       0
## 2249 2.943406e+18 2020-08-10        0      0   27       C       0
## 2250 2.952255e+18 2020-08-16        0      0    3       B     208
## 2251 2.954995e+18 2020-08-15        0      0   64       A      65
## 2252 2.977930e+18 2020-08-16        0      0    4       A       0
## 2253 2.982460e+18 2020-08-19        0      0    2       B       0
## 2254 2.987502e+18 2020-08-15        0      0   23       A      40
## 2255 2.991404e+18 2020-08-18        0      0   13       D      33
## 2256 2.993515e+18 2020-08-18        0      0    4       A     141
## 2257 2.996316e+18 2020-08-14        0      0    2       A      65
## 2258 2.997991e+18 2020-08-17        0      0    1       A       0
## 2259 2.999000e+18 2020-08-19        0      0    6       D       0
## 2260 3.157150e+18 2020-08-13        0      0    1       A      42
## 2261 3.772441e+18 2020-08-14        0      0   23       B       0
## 2262 3.797895e+18 2020-08-13        0      0    1       G      38
## 2263 3.891453e+18 2020-08-10        0      0    1       A      17
## 2264 3.009622e+18 2020-08-20        0      0    1       A       0
## 2265 3.011294e+18 2020-08-16        0      0    5       D       0
## 2266 3.018608e+18 2020-08-16        0      0    2       D       0
## 2267 3.020398e+18 2020-08-19        0      0   32       B     223
## 2268 3.021192e+18 2020-08-12        0      0    4       A       0
## 2269 3.026882e+18 2020-08-10        0      0    4       A       0
## 2270 3.035495e+18 2020-08-13        0      0    7       C      58
## 2271 3.037722e+18 2020-08-17        0      0   14       F       0
## 2272 3.042757e+18 2020-08-12        0      0   22       A      43
## 2273 3.064298e+18 2020-08-14        0      0    1       E      94
## 2274 3.071135e+18 2020-08-18        1    899   35       F      33
## 2275 3.073777e+18 2020-08-16        0      0   12       F       0
## 2276 3.074636e+18 2020-08-15        0      0   34       G      50
## 2277 3.077942e+18 2020-08-19        0      0    1       A       0
## 2278 3.079318e+18 2020-08-18        0      0    3       C       0
## 2279 3.088165e+18 2020-08-12        0      0   24       A       0
## 2280 3.088612e+18 2020-08-18        0      0   17       D     153
## 2281 3.099510e+18 2020-08-18        0      0    3       B       0
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## 2282 3.105181e+18 2020-08-11       0     0     45      F      54
## 2283 3.107862e+18 2020-08-19       0     0      4      D      81
## 2284 3.108020e+18 2020-08-19       0     0      2      A       0
## 2285 3.108615e+18 2020-08-13       0     0     62      A       0
## 2286 3.116520e+18 2020-08-15       0     0      3      A      65
## 2287 3.120087e+18 2020-08-12       0     0     13      A       0
## 2288 3.121847e+18 2020-08-10       0     0     18      C       0
## 2289 3.123824e+18 2020-08-14       0     0      7      C      81
## 2290 3.124368e+18 2020-08-15       0     0      2      A      62
## 2291 3.125327e+18 2020-08-16       0     0      7      D       0
## 2292 3.133350e+18 2020-08-15       1  1299     24      A      40
## 2293 3.136607e+18 2020-08-15       0     0     34      B      81
## 2294 3.138848e+18 2020-08-17       0     0     27      A      53
## 2295 3.141905e+18 2020-08-17       0     0      7      B       0
## 2296 3.143793e+18 2020-08-11       0     0     14      C      40
## 2297 3.150483e+18 2020-08-14       0     0     15      A      41
## 2298 3.154907e+18 2020-08-11       0     0     40      F      40
## 2299 3.155967e+18 2020-08-14       0     0     24      A      13
## 2300 3.157914e+18 2020-08-13       0     0      2      A      14
## 2301 3.159101e+18 2020-08-12       0     0      4      A       0
## 2302 3.160363e+18 2020-08-12       0     0     48      A       0
## 2303 3.171578e+18 2020-08-18       0     0      1      A     102
## 2304 3.172897e+18 2020-08-12       0     0      1      A      43
## 2305 3.174376e+18 2020-08-10       0     0      6      G       0
## 2306 3.177186e+18 2020-08-10       0     0      1      A      45
## 2307 3.177645e+18 2020-08-18       0     0      5      D      47
## 2308 3.187148e+18 2020-08-18       0     0      7      C      81
## 2309 3.190287e+18 2020-08-19       0     0      7   <NA>       0
## 2310 3.195006e+18 2020-08-12       0     0      2      D      88
## 2311 3.197155e+18 2020-08-12       0     0      5      A      43
## 2312 3.206341e+18 2020-08-13       0     0      1      A       0
## 2313 3.207912e+18 2020-08-13       0     0     18      A      14
## 2314 3.208468e+18 2020-08-16       0     0     14      C       0
## 2315 3.210261e+18 2020-08-20       0     0      1      A       0
## 2316 3.210591e+18 2020-08-11       0     0     39      C       0
## 2317 3.212277e+18 2020-08-12       0     0     10      A     141
## 2318 3.213653e+18 2020-08-14       0     0      3      A      13
## 2319 3.216996e+18 2020-08-15       0     0      5      A       0
## 2320 3.217604e+18 2020-08-17       0     0      1      D       0
## 2321 3.218510e+18 2020-08-13       0     0     11      A      65
## 2322 3.223764e+18 2020-08-12       0     0      1      A       0
## 2323 3.228262e+18 2020-08-18       0     0      4      A       0
## 2324 3.247184e+18 2020-08-17       0     0     22      C      32
## 2325 3.256308e+18 2020-08-20       0     0      2      A      26
## 2326 3.271548e+18 2020-08-10       0     0      7      A       0
## 2327 3.273219e+18 2020-08-13       0     0     27      F      38
## 2328 3.277932e+18 2020-08-14       0     0      2      A      41
## 2329 3.278083e+18 2020-08-12       0     0     11      A       0
## 2330 3.290432e+18 2020-08-20       0     0      1      E       8
## 2331 3.291321e+18 2020-08-18       0     0     13      B      71
## 2332 3.293897e+18 2020-08-10       0     0      6      G     161
## 2333 3.295559e+18 2020-08-20       0     0      6      D       0
## 2334 3.303076e+18 2020-08-19       0     0     30      B       0
## 2335 3.304435e+18 2020-08-19       0     0      3      E       0
```

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## 2336 3.306940e+18 2020-08-12        0      0     1         A     15
## 2337 3.309214e+18 2020-08-11        0      0     1         A     44
## 2338 3.309726e+18 2020-08-17        0      0    43         A      0
## 2339 3.310564e+18 2020-08-16        0      0     3         A     54
## 2340 3.317035e+18 2020-08-15        0      0     4         A    105
## 2341 3.317228e+18 2020-08-18        0      0     1         A      9
## 2342 3.321655e+18 2020-08-19        0      0     3         A     62
## 2343 3.327308e+17 2020-08-12        0      0     6         A     91
## 2344 3.332171e+18 2020-08-11        0      0    16         A      0
## 2345 3.332506e+18 2020-08-13        0      0     3         A      0
## 2346 3.340934e+18 2020-08-19        0      0     1         A      0
## 2347 3.341477e+17 2020-08-19        0      0    10         G    104
## 2348 3.354736e+18 2020-08-18        0      0    12         C     31
## 2349 3.357626e+18 2020-08-14        0      0    23      <NA>      0
## 2350 3.360072e+18 2020-08-17        0      0     4         A      0
## 2351 3.362556e+17 2020-08-10        0      0    12         C      0
## 2352 3.372650e+18 2020-08-18        0      0    18         G     47
## 2353 3.374611e+18 2020-08-11        0      0     1         A      0
## 2354 3.376515e+18 2020-08-16        0      0     2         D     49
## 2355 3.376543e+18 2020-08-11        0      0     1         A     18
## 2356 3.380164e+17 2020-08-16        0      0     8         A      0
## 2357 3.381232e+18 2020-08-16        0      0     2         B    141
## 2358 3.382698e+18 2020-08-12        0      0     7         A      0
## 2359 3.384723e+18 2020-08-10        0      0     3         B      0
## 2360 3.384741e+18 2020-08-13        0      0    22         A     15
## 2361 3.396928e+18 2020-08-19        0      0     8         G    208
## 2362 3.400383e+18 2020-08-15        0      0     3         A      0
## 2363 3.404584e+18 2020-08-19        0      0    22         A     51
## 2364 3.405703e+18 2020-08-14        0      0     1         D      0
## 2365 3.413218e+18 2020-08-14        0      0     3         A      0
## 2366 3.421223e+18 2020-08-10        0      0    28         C     81
## 2367 3.424240e+18 2020-08-15        0      0     1         A      0
## 2368 3.425245e+17 2020-08-13        0      0     1         A     14
## 2369 3.428534e+18 2020-08-17        0      0     2         A     11
## 2370 3.428667e+17 2020-08-18        0      0     3         A     52
## 2371 3.431769e+18 2020-08-16        0      0     1         A     30
## 2372 3.432921e+18 2020-08-16        0      0     6         G     49
## 2373 3.432957e+18 2020-08-10        2   1156    22         C     55
## 2374 3.434656e+18 2020-08-14        0      0    23         B     51
## 2375 3.438560e+18 2020-08-20        0      0     1         A      7
## 2376 3.444321e+18 2020-08-15        0      0    10         B    208
## 2377 3.446550e+18 2020-08-20        0      0     6         A      0
## 2378 3.454950e+18 2020-08-20        0      0    10         A      0
## 2379 3.455453e+18 2020-08-17        0      0    44         A      0
## 2380 3.462424e+18 2020-08-16        0      0     1         A      0
## 2381 3.477497e+18 2020-08-10        1    799    38         B     55
## 2382 3.479790e+18 2020-08-19        0      0    14      <NA>      0
## 2383 3.480441e+18 2020-08-13        0      0    34         A     14
## 2384 3.484277e+18 2020-08-20        0      0    34         A      7
## 2385 3.487388e+18 2020-08-20        0      0     8         A     26
## 2386 3.490179e+18 2020-08-19        0      0     6         C      8
## 2387 3.496645e+18 2020-08-12        0      0     7         F     15
## 2388 3.497693e+18 2020-08-12        0      0     1         A     91
## 2389 3.497785e+18 2020-08-11        0      0    10      <NA>      0
```

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## 2390 3.497923e+17 2020-08-12          0       0      3      A     108
## 2391 3.498796e+18 2020-08-16          0       0     11      C      55
## 2392 3.499627e+18 2020-08-11          0       0      4      F       0
## 2393 3.525565e+18 2020-08-18          0       0     41      A       0
## 2394 3.529897e+18 2020-08-13          0       0     17      B       0
## 2395 3.530508e+18 2020-08-12          0       0     72      A      15
## 2396 3.538153e+18 2020-08-16          0       0      2      A      30
## 2397 3.550514e+18 2020-08-20          0       0      9      A       0
## 2398 3.551386e+18 2020-08-16          0       0      6      B       0
## 2399 3.563055e+18 2020-08-19          0       0      6      C      81
## 2400 3.567123e+18 2020-08-15          0       0      7      A      40
## 2401 3.586604e+18 2020-08-20          0       0     14      A       8
## 2402 3.588249e+18 2020-08-19          0       0      1      F      27
## 2403 3.590368e+18 2020-08-14          0       0      2      G     223
## 2404 3.597232e+18 2020-08-17          0       0     14      F       0
## 2405 3.599097e+18 2020-08-20          0       0      2      A      50
## 2406 3.601742e+18 2020-08-18          0       0      6      A       0
## 2407 3.602596e+18 2020-08-13          0       0      2      A       0
## 2408 3.611084e+17 2020-08-15          0       0      1      A      12
## 2409 3.615096e+18 2020-08-16          0       0      2      A       0
## 2410 3.629490e+18 2020-08-17          0       0      3      A       0
## 2411 3.636156e+18 2020-08-20          0       0      3      A       0
## 2412 3.648757e+18 2020-08-11          0       0      1      A       0
## 2413 3.653224e+18 2020-08-15          0       0      2      E     131
## 2414 3.654346e+18 2020-08-18          0       0      1      D       0
## 2415 3.655441e+18 2020-08-14          0       0      5      C      51
## 2416 3.658230e+18 2020-08-11          0       0     52      A       0
## 2417 3.659598e+18 2020-08-16          0       0      3      A       0
## 2418 3.661831e+18 2020-08-12          0       0     12      C      59
## 2419 3.661856e+18 2020-08-20          0       0      1      A       0
## 2420 3.665741e+18 2020-08-15          0       0      5      A       0
## 2421 3.668579e+17 2020-08-10          0       0      7      B       0
## 2422 3.674200e+18 2020-08-19          0       0      8      A      36
## 2423 3.674670e+18 2020-08-10          0       0      9      G     208
## 2424 3.674900e+18 2020-08-17          0       0      2      A       0
## 2425 3.677262e+18 2020-08-20          0       0     21      C     159
## 2426 3.678041e+18 2020-08-16          0       0      4      D      33
## 2427 3.688379e+18 2020-08-20          0       0      1      C     208
## 2428 3.693599e+18 2020-08-10          0       0     18      D       0
## 2429 3.696101e+18 2020-08-10          0       0      1      A       0
## 2430 3.699044e+18 2020-08-18          0       0      2      B       0
## 2431 3.703319e+18 2020-08-14          0       0      3      C       0
## 2432 3.714572e+17 2020-08-14          0       0      1      A       0
## 2433 3.719298e+18 2020-08-16          0       0     46      B      35
## 2434 3.722484e+18 2020-08-14          0       0     16      C      81
## 2435 3.726749e+18 2020-08-17          0       0      1      A     141
## 2436 3.727004e+18 2020-08-19          0       0      2      A       0
## 2437 3.733303e+18 2020-08-12          0       0      3      A     108
## 2438 3.737805e+18 2020-08-16          0       0      5      A       0
## 2439 3.737843e+18 2020-08-10          0       0      1      A       0
## 2440 3.739956e+18 2020-08-16          0       0      6      A       0
## 2441 3.742098e+18 2020-08-14          0       0     19      F      82
## 2442 3.742764e+18 2020-08-11          0       0      1      A      16
## 2443 3.744093e+18 2020-08-14          0       0     19      C       0
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## 2444 3.747780e+18 2020-08-15          0       0      11         A        62
## 2445 3.747974e+18 2020-08-18          0       0      27         B        33
## 2446 3.753188e+18 2020-08-10          0       0       8         A         0
## 2447 3.753702e+18 2020-08-19          0       0      22         C         0
## 2448 3.760758e+18 2020-08-14          1    1259       2         A        13
## 2449 3.762724e+18 2020-08-10          0       0      24         B         0
## 2450 3.763318e+18 2020-08-18          0       0      12         A       128
## 2451 3.769596e+18 2020-08-17          0       0       8         G       106
## 2452 3.786028e+18 2020-08-11          0       0       7         A         0
## 2453 3.786689e+18 2020-08-17          0       0       6         A        53
## 2454 3.791032e+18 2020-08-17          0       0       4         A        38
## 2455 3.795057e+18 2020-08-17          0       0      15         A         0
## 2456 3.795640e+18 2020-08-16          0       0       4         A        11
## 2457 3.800502e+18 2020-08-20          0       0      16         F         0
## 2458 3.801113e+18 2020-08-17          0       0       5         D        65
## 2459 3.804745e+17 2020-08-16          0       0       4         A         0
## 2460 3.805482e+18 2020-08-10          0       0      18         B         0
## 2461 3.808631e+18 2020-08-15          0       0       5         A        62
## 2462 3.812425e+17 2020-08-15          0       0      57         C       208
## 2463 3.814612e+18 2020-08-20          0       0      42         B         0
## 2464 3.818596e+18 2020-08-16          0       0       9         A         0
## 2465 3.820399e+18 2020-08-20          0       0       2         A         7
## 2466 3.826353e+18 2020-08-18          0       0      19         F         0
## 2467 3.828783e+18 2020-08-11          0       0       1         D        84
## 2468 3.841594e+18 2020-08-11          0       0       6         A         0
## 2469 3.842593e+18 2020-08-20          0       0       7         F        99
## 2470 3.843521e+18 2020-08-12          0       0      15         A         0
## 2471 3.858021e+18 2020-08-20          0       0       4         D        69
## 2472 3.868655e+18 2020-08-11          0       0       5         D         0
## 2473 3.870333e+18 2020-08-20          0       0      22         A         0
## 2474 3.874627e+18 2020-08-20          0       0       5         C         0
## 2475 3.880921e+18 2020-08-18          0       0       1         A        37
## 2476 3.883519e+18 2020-08-12          0       0       2         E         0
## 2477 3.894336e+17 2020-08-17          0       0      14         A         0
## 2478 3.899195e+18 2020-08-15          0       0       2         B        36
## 2479 3.899773e+18 2020-08-11          0       0       8         A        65
## 2480 3.903061e+18 2020-08-16          0       0       5         G       107
## 2481 3.908184e+18 2020-08-14          0       0       1         A        41
## 2482 3.912191e+18 2020-08-15          0       0       2         B         0
## 2483 3.915746e+17 2020-08-18          0       0       7         A        62
## 2484 3.917188e+17 2020-08-11          0       0      20         C         0
## 2485 3.919757e+18 2020-08-15          0       0       1         A        40
## 2486 3.924927e+18 2020-08-15          0       0      11         A         0
## 2487 3.932072e+18 2020-08-17          0       0      11         B         0
## 2488 3.933851e+18 2020-08-13          0       0       8         A       107
## 2489 3.935560e+18 2020-08-12          0       0       3         A        15
## 2490 3.945821e+15 2020-08-15          0       0      20         F       104
## 2491 3.951218e+18 2020-08-11          0       0      47         B       198
## 2492 3.951649e+18 2020-08-15          0       0       3         A         0
## 2493 3.953232e+18 2020-08-11          0       0      13         A       135
## 2494 3.968233e+18 2020-08-17          0       0       4         A        32
## 2495 3.992019e+18 2020-08-10          0       0       5         A        65
## 2496 3.994316e+17 2020-08-11          0       0      39         A         0
## 2497 4.588421e+18 2020-08-18          0       0      19         B        47
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## 2498 4.838475e+18 2020-08-15    1  1149   26      A        0
## 2499 4.002902e+17 2020-08-10    0     0    2      C        0
## 2500 4.007008e+17 2020-08-15    0     0   10      D       65
## 2501 4.013538e+18 2020-08-10    0     0    6      B       41
## 2502 4.016581e+17 2020-08-16    0     0    5      A      104
## 2503 4.024590e+18 2020-08-20    0     0    5      G       31
## 2504 4.025519e+17 2020-08-13    0     0    2      A       14
## 2505 4.037696e+18 2020-08-20    1   229   15      A      126
## 2506 4.038260e+18 2020-08-12    0     0    2      A       16
## 2507 4.049386e+18 2020-08-13    0     0    2      C      208
## 2508 4.049928e+18 2020-08-15    0     0    6      A       62
## 2509 4.053229e+18 2020-08-13    0     0    2      A        0
## 2510 4.056268e+18 2020-08-16    0     0   34      C        0
## 2511 4.061408e+18 2020-08-14    0     0    3      D        0
## 2512 4.063464e+17 2020-08-16    0     0    1      A        0
## 2513 4.063632e+18 2020-08-19    0     0    4      A        0
## 2514 4.066245e+18 2020-08-10    0     0   11      A        0
## 2515 4.075919e+18 2020-08-16    0     0    5      E       12
## 2516 4.078200e+18 2020-08-14    0     0    3      G       37
## 2517 4.082583e+18 2020-08-16    0     0    1   <NA>      81
## 2518 4.084649e+18 2020-08-20    0     0   11      A       35
## 2519 4.087464e+18 2020-08-16    0     0    9      A        0
## 2520 4.096606e+17 2020-08-15    0     0   27      A       40
## 2521 4.096789e+18 2020-08-19    0     0    8      A        0
## 2522 4.096896e+18 2020-08-18    0     0    2      B       71
## 2523 4.103651e+18 2020-08-11    0     0    9      D       81
## 2524 4.104530e+18 2020-08-16    0     0    9      B        0
## 2525 4.109382e+18 2020-08-11    0     0    4      A        0
## 2526 4.109856e+18 2020-08-20    0     0    7      C       69
## 2527 4.113283e+18 2020-08-12    0     0    2      A        0
## 2528 4.118811e+18 2020-08-20    0     0    2      D       31
## 2529 4.125821e+18 2020-08-13    0     0    6      A        0
## 2530 4.130445e+18 2020-08-20    0     0    2      A        0
## 2531 4.134695e+18 2020-08-12    0     0    2      C       15
## 2532 4.145995e+18 2020-08-10    0     0   13      C       17
## 2533 4.146613e+18 2020-08-10    0     0    3      A        0
## 2534 4.152447e+18 2020-08-19    0     0   11      C       70
## 2535 4.156169e+18 2020-08-11    0     0    4      G       54
## 2536 4.156932e+17 2020-08-18    0     0   26      C        0
## 2537 4.164269e+18 2020-08-13    0     0    6      D       38
## 2538 4.164416e+17 2020-08-17    0     0    7   <NA>       0
## 2539 4.166009e+18 2020-08-17    0     0    3      D       34
## 2540 4.191618e+18 2020-08-11    0     0    2      A       18
## 2541 4.191636e+18 2020-08-13    0     0    1      A        0
## 2542 4.192359e+18 2020-08-19    0     0    8      A      101
## 2543 4.196516e+18 2020-08-10    0     0    8      G       41
## 2544 4.196540e+18 2020-08-18    0     0    1      A        0
## 2545 4.206081e+18 2020-08-12    0     0   11      A        0
## 2546 4.208256e+18 2020-08-13    0     0    4      A        0
## 2547 4.210271e+18 2020-08-14    0     0    1      G       86
## 2548 4.212845e+18 2020-08-11    0     0    8      G        4
## 2549 4.230877e+17 2020-08-15    0     0    3      A        0
## 2550 4.236512e+18 2020-08-16    0     0    1      A        0
## 2551 4.247036e+18 2020-08-19    0     0    1      A        0
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## 2552 4.252532e+18 2020-08-19          0        0        3        D       70
## 2553 4.257840e+18 2020-08-18          0        0        2        A       28
## 2554 4.260408e+18 2020-08-19          0        0        1        A       36
## 2555 4.261808e+18 2020-08-10          0        0        7        A      110
## 2556 4.267080e+18 2020-08-19          0        0        3        A        0
## 2557 4.269531e+18 2020-08-15          0        0        2        A        0
## 2558 4.273916e+18 2020-08-17          0        0        6        F       79
## 2559 4.282672e+18 2020-08-15          0        0       34        A        0
## 2560 4.282963e+18 2020-08-18          0        0       17        B        0
## 2561 4.283899e+18 2020-08-16          0        0       13     <NA>        0
## 2562 4.289584e+18 2020-08-18          0        0        3        A        0
## 2563 4.290955e+18 2020-08-19          0        0       12        A        8
## 2564 4.295968e+18 2020-08-18          0        0        1        E       90
## 2565 4.309087e+18 2020-08-10          0        0        1        A       17
## 2566 4.311763e+17 2020-08-10          0        0       10        A        0
## 2567 4.312848e+18 2020-08-18          0        0       20        A        9
## 2568 4.313857e+18 2020-08-20          0        0        1        D       69
## 2569 4.319467e+18 2020-08-12          0        0        7        A        0
## 2570 4.326022e+18 2020-08-19          0        0        5        A      141
## 2571 4.329128e+18 2020-08-14          0        0        7        C       81
## 2572 4.332508e+18 2020-08-13          0        0        7        B        0
## 2573 4.333124e+18 2020-08-17          0        0        1        A       32
## 2574 4.344673e+18 2020-08-13          0        0        3        A       65
## 2575 4.345242e+18 2020-08-19          0        0        3        A        0
## 2576 4.346228e+18 2020-08-18          0        0        7        A        0
## 2577 4.357340e+18 2020-08-14          0        0        1        C       57
## 2578 4.373701e+18 2020-08-12          0        0        5        C       59
## 2579 4.382231e+17 2020-08-14          0        0        4        C        0
## 2580 4.405372e+18 2020-08-17          0        0       23        A       11
## 2581 4.416923e+18 2020-08-13          0        0        1        C       58
## 2582 4.416943e+18 2020-08-17          0        0        3        D       81
## 2583 4.427122e+18 2020-08-20          0        0        1        A      141
## 2584 4.431222e+18 2020-08-17          0        0       29        A       38
## 2585 4.431697e+17 2020-08-19          0        0       13        A        0
## 2586 4.435663e+18 2020-08-13          0        0        6        B       38
## 2587 4.436462e+16 2020-08-15          0        0        1        A       62
## 2588 4.441102e+18 2020-08-15          0        0       26        A       13
## 2589 4.443366e+18 2020-08-14          0        0       20        C       15
## 2590 4.443492e+18 2020-08-13          0        0        3        D        0
## 2591 4.463328e+18 2020-08-16          0        0       29        C        0
## 2592 4.464789e+18 2020-08-15          0        0        1        A       62
## 2593 4.471254e+18 2020-08-19          0        0        2        A        0
## 2594 4.471617e+18 2020-08-13          0        0        1        A       16
## 2595 4.473402e+18 2020-08-11          0        0        1        F        0
## 2596 4.473443e+18 2020-08-17          0        0        6        B       72
## 2597 4.474379e+18 2020-08-12          0        0        2        A       62
## 2598 4.481024e+18 2020-08-10          0        0        1        A        0
## 2599 4.483562e+17 2020-08-19          0        0        1        A       51
## 2600 4.484849e+18 2020-08-20          0        0        1        A        0
## 2601 4.484983e+18 2020-08-10          0        0       13        C       17
## 2602 4.491178e+17 2020-08-13          0        0        1        A        0
## 2603 4.491829e+18 2020-08-10          0        0       14        A        0
## 2604 4.492497e+18 2020-08-17          0        0        1        B       72
## 2605 4.492871e+18 2020-08-10          0        0        2        A      110
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## 2606 4.494712e+18 2020-08-15        0    0    6    C      50
## 2607 4.500346e+18 2020-08-17        0    0    7    B      72
## 2608 4.501701e+18 2020-08-17        0    0    1    A      38
## 2609 4.503967e+18 2020-08-14        0    0    3    C     208
## 2610 4.509291e+18 2020-08-19        0    0   45    A      27
## 2611 4.510381e+18 2020-08-14        0    0    5    A       0
## 2612 4.512652e+18 2020-08-10        0    0   44    A       0
## 2613 4.525240e+18 2020-08-19        0    0   25    B      32
## 2614 4.529076e+18 2020-08-12        0    0    1    A       0
## 2615 4.531495e+18 2020-08-11        0    0    6    E       0
## 2616 4.531646e+18 2020-08-19        0    0    1    A       0
## 2617 4.534968e+18 2020-08-19        0    0    1    A      51
## 2618 4.536857e+18 2020-08-10        0    0    1    A       0
## 2619 4.537587e+18 2020-08-15        0    0    2    E       0
## 2620 4.543976e+18 2020-08-19        0    0   17    G      46
## 2621 4.548319e+18 2020-08-10        0    0    1    B      43
## 2622 4.551313e+17 2020-08-14        0    0    4    D      37
## 2623 4.554517e+18 2020-08-11        0    0   13    A       0
## 2624 4.556816e+18 2020-08-18        1  399   25    B      62
## 2625 4.560104e+18 2020-08-19        0    0    3    E       0
## 2626 4.562784e+18 2020-08-19        0    0    3    A       0
## 2627 4.568279e+18 2020-08-16        0    0   14    G      49
## 2628 4.573476e+18 2020-08-14        0    0    2    B       0
## 2629 4.574072e+17 2020-08-15        0    0    5    C     208
## 2630 4.574344e+18 2020-08-20        0    0    3    F      69
## 2631 4.577777e+18 2020-08-10        0    0   15 <NA>       5
## 2632 4.583244e+18 2020-08-18        0    0    1    F     101
## 2633 4.583656e+18 2020-08-11        0    0    2    D       0
## 2634 4.584684e+18 2020-08-11        0    0    1    B       0
## 2635 4.587428e+18 2020-08-18        0    0   17    F      31
## 2636 4.587887e+18 2020-08-13        0    0    2    A      16
## 2637 4.590489e+17 2020-08-19        0    0    1    B      70
## 2638 4.592888e+18 2020-08-10        0    0   21    A       0
## 2639 4.597016e+18 2020-08-15        0    0    8    B       0
## 2640 4.597715e+18 2020-08-20        0    0    2    A       0
## 2641 4.598644e+18 2020-08-15        0    0   27    B     223
## 2642 4.600154e+18 2020-08-14        0    0    9    B       0
## 2643 4.601554e+18 2020-08-14        0    0    5    C      57
## 2644 4.603378e+18 2020-08-19        0    0    1    A       0
## 2645 4.608231e+18 2020-08-10        0    0   17    A      93
## 2646 4.609285e+18 2020-08-13        0    0    4    B       0
## 2647 4.616145e+18 2020-08-16        0    0    3    D       0
## 2648 4.622338e+18 2020-08-15        0    0    2    D      81
## 2649 4.625809e+18 2020-08-18        0    0    6    A     141
## 2650 4.637016e+18 2020-08-20        0    0    7    A      29
## 2651 4.644870e+18 2020-08-18        0    0   13    F     101
## 2652 4.647483e+18 2020-08-18        0    0   20    A      10
## 2653 4.653751e+18 2020-08-13        0    0    1    G     110
## 2654 4.655258e+18 2020-08-18        0    0    1    A       0
## 2655 4.656003e+18 2020-08-17        0    0    8    A      11
## 2656 4.656069e+18 2020-08-10        0    0    1    D      18
## 2657 4.656959e+18 2020-08-10        0    0    4    D       0
## 2658 4.664152e+18 2020-08-10        0    0    1    A       0
## 2659 4.666062e+18 2020-08-16        0    0   16    A      30
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## 2660 4.668164e+18 2020-08-10        0     0     1        D        0
## 2661 4.670372e+18 2020-08-17        0     0     1        A        0
## 2662 4.688384e+18 2020-08-19        0     0    11        A      127
## 2663 4.693486e+18 2020-08-18        0     0     2        B      208
## 2664 4.706129e+18 2020-08-10        0     0    11        C       81
## 2665 4.710658e+18 2020-08-19        0     0     4        D        0
## 2666 4.719901e+18 2020-08-11        0     0     6        D        0
## 2667 4.725512e+18 2020-08-14        0     0     1        D        0
## 2668 4.726404e+18 2020-08-15        0     0     8        C        0
## 2669 4.731825e+18 2020-08-16        0     0    22        C       33
## 2670 4.734272e+18 2020-08-17        0     0     4        A       32
## 2671 4.735503e+18 2020-08-12        0     0    11        A        0
## 2672 4.735649e+18 2020-08-13        0     0     1        E        0
## 2673 4.743926e+18 2020-08-16        0     0     9        C        0
## 2674 4.746379e+18 2020-08-11        0     0     1        A       65
## 2675 4.747824e+18 2020-08-16        0     0     4        A       39
## 2676 4.749131e+18 2020-08-15        1  1119    15        A        0
## 2677 4.752697e+18 2020-08-18        0     0    12        A        0
## 2678 4.759651e+18 2020-08-16        0     0     8        A        0
## 2679 4.760520e+18 2020-08-11        0     0     2        A       16
## 2680 4.768805e+18 2020-08-15        0     0     1        A       40
## 2681 4.771265e+17 2020-08-12        0     0     4        C      208
## 2682 4.786321e+18 2020-08-10        0     0    20        B        0
## 2683 4.797991e+18 2020-08-20        0     0     2        A        0
## 2684 4.806871e+18 2020-08-19        0     0     3        A        0
## 2685 4.817649e+18 2020-08-15        0     0     9        D       50
## 2686 4.825704e+18 2020-08-13        0     0     1        A       14
## 2687 4.832971e+18 2020-08-17        0     0    18        A       53
## 2688 4.844904e+18 2020-08-10        0     0     2        A      110
## 2689 4.845806e+18 2020-08-13        0     0     4        A        0
## 2690 4.853939e+17 2020-08-19        0     0     5        C        0
## 2691 4.857597e+18 2020-08-17        0     0    18        C        0
## 2692 4.858447e+18 2020-08-13        0     0     5        D       96
## 2693 4.860924e+18 2020-08-13        0     0    10        A       58
## 2694 4.866960e+18 2020-08-20        0     0     1        F        0
## 2695 4.869895e+18 2020-08-13        0     0    13        D        0
## 2696 4.871034e+18 2020-08-20        0     0     5     <NA>        0
## 2697 4.875034e+18 2020-08-19        0     0     7        D       46
## 2698 4.884870e+18 2020-08-19        0     0     4        A        0
## 2699 4.893478e+18 2020-08-16        0     0     3        B        0
## 2700 4.897217e+17 2020-08-18        0     0     9        A        0
## 2701 4.905921e+18 2020-08-20        0     0     1        A       50
## 2702 4.919409e+18 2020-08-14        0     0    34        A       41
## 2703 4.922146e+18 2020-08-11        2  1198    31        B        4
## 2704 4.924949e+18 2020-08-18        0     0     1        A        9
## 2705 4.925041e+18 2020-08-15        0     0     2        A       62
## 2706 4.937005e+18 2020-08-18        0     0    11        A        0
## 2707 4.937606e+18 2020-08-18        0     0    18        A        0
## 2708 4.939198e+18 2020-08-15        0     0     6        C        0
## 2709 4.943001e+18 2020-08-11        0     0    11        D        0
## 2710 4.949230e+18 2020-08-19        0     0     2        A        0
## 2711 4.950248e+18 2020-08-16        0     0    10        G      155
## 2712 4.956827e+17 2020-08-15        0     0     4        A        0
## 2713 4.961939e+18 2020-08-16        0     0     1        A       30
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## 2714 4.965044e+18 2020-08-17        0      0      7      A      38
## 2715 4.967249e+18 2020-08-15        0      0     12      A      31
## 2716 4.969631e+18 2020-08-14        0      0      1      F     141
## 2717 4.971411e+18 2020-08-10        0      0      3      A       0
## 2718 4.971965e+18 2020-08-10        0      0     15      C      43
## 2719 4.982843e+18 2020-08-13        0      0      9      A     133
## 2720 4.986428e+17 2020-08-15        0      0      2      B      81
## 2721 4.988427e+18 2020-08-11        0      0      9      F      85
## 2722 4.996204e+18 2020-08-10        0      0     31      A      93
## 2723 4.999903e+18 2020-08-19        0      0     49      A       0
## 2724 4.999955e+18 2020-08-13        0      0      4      A      16
## 2725 5.363805e+18 2020-08-10        0      0      1      D      41
## 2726 5.539860e+18 2020-08-10        0      0      6      G     100
## 2727 5.001116e+18 2020-08-14        0      0      1      A      15
## 2728 5.007027e+18 2020-08-13        0      0      2      B       0
## 2729 5.007701e+18 2020-08-10        0      0      6      A      18
## 2730 5.009065e+17 2020-08-19        0      0      4      A      51
## 2731 5.009273e+18 2020-08-15        0      0      3      D       0
## 2732 5.023690e+18 2020-08-12        0      0     16      C      39
## 2733 5.030588e+18 2020-08-15        0      0      2      A     141
## 2734 5.050347e+18 2020-08-19        0      0     12      C       0
## 2735 5.056627e+18 2020-08-15        0      0      6      A       0
## 2736 5.059969e+18 2020-08-13        0      0      1      A       0
## 2737 5.060765e+18 2020-08-19        0      0      8      A       0
## 2738 5.061533e+18 2020-08-16        0      0      1      A       0
## 2739 5.063752e+18 2020-08-18        0      0      2      B       0
## 2740 5.069101e+18 2020-08-20        0      0      2      G       0
## 2741 5.069114e+18 2020-08-16        0      0      9      D      81
## 2742 5.076204e+18 2020-08-12        0      0      3      D      43
## 2743 5.095477e+18 2020-08-18        0      0      6      D      81
## 2744 5.101213e+18 2020-08-11        0      0     12      A     141
## 2745 5.109338e+18 2020-08-20        0      0      3      A       0
## 2746 5.113580e+18 2020-08-15        1    229     10      A       0
## 2747 5.117260e+17 2020-08-15        0      0     58      A      31
## 2748 5.128429e+18 2020-08-20        0      0      2      B       0
## 2749 5.130348e+18 2020-08-15        0      0      1      A     141
## 2750 5.139417e+18 2020-08-13        0      0      1      F      52
## 2751 5.146477e+18 2020-08-18        0      0      1      B       0
## 2752 5.147804e+18 2020-08-17        0      0     34      B      72
## 2753 5.147949e+18 2020-08-14        0      0      2      A      13
## 2754 5.151372e+18 2020-08-15        0      0      4      A       0
## 2755 5.152436e+18 2020-08-10        0      0     10      A       0
## 2756 5.165777e+18 2020-08-14        0      0      3      D      51
## 2757 5.168332e+18 2020-08-11        0      0     17      B      54
## 2758 5.170516e+18 2020-08-14        0      0      1      A      15
## 2759 5.174076e+18 2020-08-20        0      0      9      C       0
## 2760 5.187351e+17 2020-08-14        0      0      1      E       0
## 2761 5.187512e+18 2020-08-16        0      0     61      A      30
## 2762 5.189422e+18 2020-08-10        0      0      3      C       0
## 2763 5.191048e+18 2020-08-11        0      0      1      B       0
## 2764 5.198300e+18 2020-08-13        0      0      5      D      42
## 2765 5.227839e+18 2020-08-16        0      0      4      C       0
## 2766 5.233488e+18 2020-08-11        1   1299     12      A      44
## 2767 5.235767e+18 2020-08-19        0      0      4      B     141
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## 2768 5.236920e+18 2020-08-13      0      0    6    A      0
## 2769 5.238474e+18 2020-08-17      0      0   36    B      0
## 2770 5.243619e+18 2020-08-10      0      0   11    F     45
## 2771 5.247785e+17 2020-08-17      0      0    3    A      0
## 2772 5.249963e+18 2020-08-10      0      0    9 <NA>     0
## 2773 5.251241e+18 2020-08-11      0      0    8    B      0
## 2774 5.269947e+18 2020-08-14      0      0    4    E      0
## 2775 5.272070e+18 2020-08-10      0      0    4    C     43
## 2776 5.281871e+18 2020-08-17      0      0    1 <NA>     0
## 2777 5.291384e+18 2020-08-11      0      0    6    C     16
## 2778 5.291425e+18 2020-08-13      0      0    1    A     15
## 2779 5.296100e+18 2020-08-12      0      0    2    A      0
## 2780 5.296910e+18 2020-08-19      0      0    2    A     30
## 2781 5.300837e+18 2020-08-13      0      0   13    A      0
## 2782 5.309947e+18 2020-08-13      0      0    9    D      0
## 2783 5.316103e+18 2020-08-12      0      0    8    A     43
## 2784 5.316768e+18 2020-08-12      0      0    4    B      0
## 2785 5.320188e+18 2020-08-10      0      0    2    A     17
## 2786 5.321663e+18 2020-08-17      0      0    2    C     72
## 2787 5.325155e+18 2020-08-10      0      0    2    A      0
## 2788 5.326238e+18 2020-08-20      0      0    1    A      0
## 2789 5.327450e+18 2020-08-18      0      0    1    A      9
## 2790 5.327956e+18 2020-08-14      0      0    5    C      0
## 2791 5.329183e+18 2020-08-17      0      0    7    G     34
## 2792 5.329700e+18 2020-08-20      0      0   13    A      7
## 2793 5.340476e+18 2020-08-11      0      0    2    A     18
## 2794 5.343055e+18 2020-08-18      0      0    9    A    102
## 2795 5.344873e+18 2020-08-20      0      0   48    A      0
## 2796 5.347079e+18 2020-08-11      0      0   12    A      0
## 2797 5.352594e+18 2020-08-18      0      0    2    A      9
## 2798 5.358518e+18 2020-08-17      0      0   16    C      0
## 2799 5.359520e+17 2020-08-13      0      0   13    D      0
## 2800 5.364060e+18 2020-08-12      0      0    7    D     81
## 2801 5.368518e+18 2020-08-17      0      0    4    A     38
## 2802 5.374224e+18 2020-08-17      0      0    3    A     10
## 2803 5.375482e+18 2020-08-15      1    398    5    D     50
## 2804 5.389252e+18 2020-08-10      1    799   17    C     43
## 2805 5.393260e+18 2020-08-17      0      0   18    A      0
## 2806 5.407865e+17 2020-08-12      0      0    2    B    208
## 2807 5.433721e+18 2020-08-12      0      0    1    E      0
## 2808 5.440511e+17 2020-08-16      0      0    6    A     39
## 2809 5.446762e+18 2020-08-14      0      0    8    A    141
## 2810 5.450472e+18 2020-08-10      0      0    3    A      0
## 2811 5.451329e+18 2020-08-11      0      0    2    A      0
## 2812 5.451962e+18 2020-08-14      0      0    8    C     37
## 2813 5.454876e+18 2020-08-20      0      0    1    A     26
## 2814 5.464509e+18 2020-08-12      0      0    1    A    141
## 2815 5.466630e+18 2020-08-12      0      0    3    A     15
## 2816 5.469267e+18 2020-08-14      0      0   20    C      0
## 2817 5.471495e+18 2020-08-11      0      0    2    A      0
## 2818 5.475006e+18 2020-08-13      0      0   34    A     65
## 2819 5.479839e+18 2020-08-11      0      0    4    C     54
## 2820 5.490204e+18 2020-08-18      0      0    1    A     52
## 2821 5.493388e+18 2020-08-18      0      0    1    F      0
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## 2822 5.496930e+18 2020-08-16      0      0      1      A       30
## 2823 5.501044e+18 2020-08-19      0      0      3      F       70
## 2824 5.509316e+18 2020-08-17      0      0      5      E        0
## 2825 5.510154e+17 2020-08-20      0      0      6      A        0
## 2826 5.511503e+18 2020-08-10      0      0     21      A       18
## 2827 5.512420e+18 2020-08-15      0      0     24      F       40
## 2828 5.515922e+18 2020-08-13      0      0     32      A       42
## 2829 5.522389e+18 2020-08-13      1    859     27      C        0
## 2830 5.540279e+18 2020-08-14      0      0      4      A        0
## 2831 5.541563e+18 2020-08-20      0      0      2      B        0
## 2832 5.549326e+18 2020-08-16      0      0      1      A       11
## 2833 5.549734e+18 2020-08-12      0      0      9      A        0
## 2834 5.552496e+18 2020-08-14      0      0      4   <NA>        0
## 2835 5.554192e+18 2020-08-17      0      0      1      A       32
## 2836 5.555115e+18 2020-08-10      0      0     14      A        0
## 2837 5.565772e+18 2020-08-16      0      0      2      A        0
## 2838 5.570937e+18 2020-08-10      0      0      3   <NA>        0
## 2839 5.575949e+18 2020-08-10      0      0     11      A        0
## 2840 5.576566e+17 2020-08-20      0      0      1      A        0
## 2841 5.582777e+18 2020-08-15      0      0      1      A       65
## 2842 5.585370e+18 2020-08-13      0      0      1      A        0
## 2843 5.588098e+18 2020-08-14      1   1499      4      A       14
## 2844 5.595045e+18 2020-08-17      0      0     22      D       34
## 2845 5.607994e+18 2020-08-16      0      0     12      A        0
## 2846 5.610029e+18 2020-08-20      0      0      3      A       69
## 2847 5.612122e+18 2020-08-16      0      0     14      A      104
## 2848 5.627403e+18 2020-08-18      0      0     31      B       81
## 2849 5.631888e+18 2020-08-18      0      0      4      D       31
## 2850 5.634610e+18 2020-08-13      0      0      2      A       86
## 2851 5.635838e+18 2020-08-20      0      0     16      B        0
## 2852 5.650880e+18 2020-08-10      0      0      2      B      208
## 2853 5.652180e+18 2020-08-16      0      0      5      E        0
## 2854 5.654876e+18 2020-08-10      0      0     12      A        0
## 2855 5.656117e+18 2020-08-15      0      0     18      C       81
## 2856 5.657727e+18 2020-08-11      1   1199     26      B        0
## 2857 5.662668e+18 2020-08-20      0      0      5      A        0
## 2858 5.668741e+18 2020-08-19      0      0      2      A        8
## 2859 5.670691e+18 2020-08-17      0      0      4      A       10
## 2860 5.676104e+17 2020-08-18      0      0      3      A      102
## 2861 5.676546e+16 2020-08-20      0      0      5      A       35
## 2862 5.677142e+18 2020-08-13      0      0     29      C       14
## 2863 5.679282e+18 2020-08-17      0      0     14      A        0
## 2864 5.744533e+17 2020-08-19      0      0     17      C       65
## 2865 5.745603e+18 2020-08-13      0      0      1      F       14
## 2866 5.757101e+18 2020-08-11      0      0      4      A       44
## 2867 5.759402e+18 2020-08-10      0      0     16      C       41
## 2868 5.760138e+18 2020-08-11      0      0     21      B       81
## 2869 5.765199e+17 2020-08-15      0      0      4      A       14
## 2870 5.768489e+18 2020-08-10      0      0      2      A        0
## 2871 5.775694e+18 2020-08-11      0      0      9      F        0
## 2872 5.785983e+18 2020-08-10      0      0      2      G      223
## 2873 5.789667e+17 2020-08-17      0      0      7      A       53
## 2874 5.796730e+17 2020-08-13      0      0      1      A       65
## 2875 5.796944e+18 2020-08-12      0      0     34      A       43
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## 2876 5.797412e+18 2020-08-11          0       0       30      A       92
## 2877 5.797532e+17 2020-08-14          0       0       4       A       0
## 2878 5.798506e+18 2020-08-11          0       0       2       A       0
## 2879 5.800078e+18 2020-08-15          0       0       62      A       0
## 2880 5.803739e+18 2020-08-14          0       0       23      A       0
## 2881 5.812006e+18 2020-08-20          0       0       1       B       0
## 2882 5.812812e+18 2020-08-17          0       0       4       C       0
## 2883 5.828682e+18 2020-08-20          0       0       5       A       7
## 2884 5.829330e+18 2020-08-10          0       0       1       A       0
## 2885 5.829958e+16 2020-08-15          0       0       6       A       0
## 2886 5.837176e+18 2020-08-18          0       0       19      B       0
## 2887 5.841033e+18 2020-08-15          0       0       12      A       40
## 2888 5.844544e+18 2020-08-16          0       0       5       E       0
## 2889 5.850841e+18 2020-08-16          0       0       9       A       0
## 2890 5.851976e+18 2020-08-10          0       0       8       D       41
## 2891 5.859835e+18 2020-08-10          0       0       18      A       0
## 2892 5.862979e+18 2020-08-14          0       0       25      A       0
## 2893 5.863167e+18 2020-08-10          0       0       1       A       0
## 2894 5.864863e+17 2020-08-12          0       0       2       A       0
## 2895 5.868200e+18 2020-08-15          0       0       5       E       0
## 2896 5.870499e+18 2020-08-10          0       0       14      A       0
## 2897 5.871301e+18 2020-08-10          0       0       2       A       0
## 2898 5.872669e+18 2020-08-11          0       0       2       A       18
## 2899 5.882620e+18 2020-08-19          0       0       1       A       8
## 2900 5.885587e+18 2020-08-16          0       0       14      A       39
## 2901 5.894675e+18 2020-08-10          0       0       1       A       17
## 2902 5.898630e+17 2020-08-12          0       0       8       E       0
## 2903 5.898969e+18 2020-08-20          0       0       4       A       0
## 2904 5.903307e+18 2020-08-13          0       0       3       A       16
## 2905 5.906446e+18 2020-08-19          0       0       1       G       152
## 2906 5.914169e+18 2020-08-11          0       0       1       A       0
## 2907 5.919113e+18 2020-08-10          0       0       26      B       0
## 2908 5.922956e+18 2020-08-13          0       0       1       A       0
## 2909 5.923589e+18 2020-08-14          0       0       2       F       105
## 2910 5.926255e+18 2020-08-18          0       0       4       A       10
## 2911 5.926621e+18 2020-08-20          0       0       4       A       69
## 2912 5.930224e+18 2020-08-12          0       0       15      B       0
## 2913 5.931166e+18 2020-08-20          0       0       10      B       31
## 2914 5.932481e+17 2020-08-10          0       0       7       C       0
## 2915 5.938079e+18 2020-08-10          0       0       1       A       110
## 2916 5.938923e+18 2020-08-13          0       0       2       E       0
## 2917 5.940061e+18 2020-08-17          0       0       13      A       0
## 2918 5.946475e+18 2020-08-13          0       0       3       G       158
## 2919 5.946500e+18 2020-08-20          0       0       2       A       100
## 2920 5.947567e+18 2020-08-10          0       0       7       A       65
## 2921 5.948892e+18 2020-08-16          0       0       1       A       0
## 2922 5.954865e+18 2020-08-10          0       0       2       A       0
## 2923 5.956549e+18 2020-08-20          0       0       4       D       0
## 2924 5.962139e+18 2020-08-12          0       0       6       D       39
## 2925 5.964148e+18 2020-08-13          0       0       1       A       0
## 2926 5.964350e+18 2020-08-12          0       0       7       A       141
## 2927 5.964719e+17 2020-08-19          0       0       2       A       9
## 2928 5.965146e+18 2020-08-19          0       0       2       A       101
## 2929 5.968865e+18 2020-08-18          0       0       1       A       37
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## 2930 5.971665e+18 2020-08-11        0        0        6        C        16
## 2931 5.971968e+18 2020-08-16        0        0       22        B        49
## 2932 5.972891e+18 2020-08-20        1      939       37        C         0
## 2933 5.977210e+18 2020-08-13        0        0        8        A         0
## 2934 5.985101e+18 2020-08-15        0        0       10        A        14
## 2935 5.989887e+18 2020-08-20        0        0        4        E         0
## 2936 5.999596e+18 2020-08-20        0        0        7        D        29
## 2937 6.126528e+18 2020-08-15        0        0       30        B         0
## 2938 6.591877e+18 2020-08-13        0        0       20        B         0
## 2939 6.004333e+18 2020-08-10        0        0        2        A         0
## 2940 6.005755e+18 2020-08-12        0        0       11        B        53
## 2941 6.019319e+18 2020-08-20        0        0       15        B       223
## 2942 6.023662e+18 2020-08-15        0        0       12        A         0
## 2943 6.025940e+18 2020-08-17        0        0        1        G        34
## 2944 6.047388e+18 2020-08-13        0        0        1        E         0
## 2945 6.047885e+18 2020-08-13        0        0       20     <NA>         0
## 2946 6.051988e+18 2020-08-12        0        0        6        C        81
## 2947 6.052654e+18 2020-08-10        0        0       10        C        55
## 2948 6.062274e+18 2020-08-16        0        0        2        C        11
## 2949 6.065020e+18 2020-08-18        0        0        1        A        28
## 2950 6.072907e+18 2020-08-11        0        0        5        A        44
## 2951 6.077783e+17 2020-08-14        0        0        3     <NA>        95
## 2952 6.078855e+18 2020-08-16        0        0       29        F       103
## 2953 6.082551e+18 2020-08-14        0        0       10        A        65
## 2954 6.097432e+18 2020-08-19        0        0       10        A         0
## 2955 6.100394e+18 2020-08-13        0        0       10        B         0
## 2956 6.104155e+18 2020-08-19        0        0        7        A         0
## 2957 6.106808e+18 2020-08-12        0        0        4        A        43
## 2958 6.107433e+18 2020-08-10        0        0        5        G       100
## 2959 6.107894e+18 2020-08-10        0        0        2        A         0
## 2960 6.109199e+18 2020-08-16        0        0        1        A        30
## 2961 6.137312e+18 2020-08-13        0        0       19        A         0
## 2962 6.141073e+18 2020-08-18        0        0       12        A         0
## 2963 6.155783e+17 2020-08-17        0        0        2        A       103
## 2964 6.158579e+18 2020-08-10        0        0        8        G       161
## 2965 6.160279e+18 2020-08-11        1      659        7        C         0
## 2966 6.162553e+18 2020-08-20        0        0        2        D         0
## 2967 6.165186e+18 2020-08-17        0        0       19        F        32
## 2968 6.165868e+18 2020-08-13        0        0        2        A         0
## 2969 6.168664e+18 2020-08-15        0        0        7        D       156
## 2970 6.172649e+16 2020-08-16        0        0        1        A         0
## 2971 6.177099e+18 2020-08-20        0        0       47     <NA>       124
## 2972 6.179106e+18 2020-08-10        0        0        2        A         0
## 2973 6.179334e+18 2020-08-17        0        0       11        C        34
## 2974 6.181040e+18 2020-08-15        0        0        3        A         0
## 2975 6.187386e+18 2020-08-20        0        0        1        A        29
## 2976 6.196486e+18 2020-08-16        0        0        6        A         0
## 2977 6.200579e+18 2020-08-16        0        0        4        A        54
## 2978 6.201189e+16 2020-08-12        0        0       20        C        17
## 2979 6.204652e+17 2020-08-19        0        0       50        A        51
## 2980 6.207153e+18 2020-08-20        0        0        1        A       141
## 2981 6.211179e+18 2020-08-14        0        0        8        A        41
## 2982 6.216053e+18 2020-08-13        0        0       32        F        52
## 2983 6.220750e+18 2020-08-11        0        0        1        A         0
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## 2984 6.224759e+17 2020-08-19       0      0      2      B      0
## 2985 6.226211e+18 2020-08-11       0      0      5      F     54
## 2986 6.227226e+17 2020-08-13       0      0      2      A      0
## 2987 6.228538e+18 2020-08-14       0      0      2      A      0
## 2988 6.235386e+18 2020-08-16       0      0     15      A      0
## 2989 6.238005e+18 2020-08-13       0      0      1      C      0
## 2990 6.242527e+18 2020-08-15       0      0      7      C      0
## 2991 6.243852e+18 2020-08-14       0      0     11      D    109
## 2992 6.250131e+18 2020-08-15       0      0     12      A     65
## 2993 6.250377e+18 2020-08-14       0      0      5      C      0
## 2994 6.250685e+18 2020-08-16       0      0      6      B     35
## 2995 6.269480e+18 2020-08-18       0      0      8      A     71
## 2996 6.281764e+18 2020-08-10       0      0     12      A     45
## 2997 6.294387e+18 2020-08-15       0      0      5      A      0
## 2998 6.295367e+18 2020-08-18       0      0      3      B     71
## 2999 6.295398e+18 2020-08-18       0      0     39   <NA>    126
## 3000 6.305988e+18 2020-08-14       0      0     10      G     51
## 3001 6.312313e+18 2020-08-14       0      0     28      B      2
## 3002 6.314672e+17 2020-08-18       0      0      6      A      0
## 3003 6.315269e+17 2020-08-18       0      0      4      A     52
## 3004 6.316993e+17 2020-08-20       0      0      3      D     81
## 3005 6.318326e+18 2020-08-12       0      0     10      F      0
## 3006 6.324158e+18 2020-08-15       0      0      3      D      0
## 3007 6.325128e+18 2020-08-18       0      0     11      C     47
## 3008 6.326391e+18 2020-08-19       0      0      1      A     36
## 3009 6.327799e+18 2020-08-16       0      0      7      G    208
## 3010 6.332241e+18 2020-08-17       0      0     65      A      0
## 3011 6.337213e+18 2020-08-20       0      0      1      A      7
## 3012 6.365014e+18 2020-08-11       1   1299     25      A     44
## 3013 6.365977e+18 2020-08-15       0      0      3   <NA>      0
## 3014 6.367803e+18 2020-08-11       0      0      1      A     44
## 3015 6.378772e+18 2020-08-15       0      0      7      A      0
## 3016 6.384366e+16 2020-08-18       0      0     18      A      0
## 3017 6.386471e+18 2020-08-16       0      0      2      D     55
## 3018 6.387058e+17 2020-08-13       0      0      6      B    223
## 3019 6.391494e+18 2020-08-19       0      0     29      C      0
## 3020 6.392560e+18 2020-08-20       0      0      6      D     65
## 3021 6.402024e+18 2020-08-16       0      0     33      A     39
## 3022 6.402645e+18 2020-08-16       0      0      9      F     33
## 3023 6.406231e+18 2020-08-11       0      0      7      A      0
## 3024 6.422412e+17 2020-08-12       0      0      8      D     39
## 3025 6.423033e+17 2020-08-10       0      0      3      A    109
## 3026 6.438253e+18 2020-08-20       0      0      9   <NA>      0
## 3027 6.438686e+18 2020-08-14       0      0      1      A     65
## 3028 6.439545e+18 2020-08-11       0      0      7      G     40
## 3029 6.441338e+18 2020-08-19       0      0      8      D     70
## 3030 6.448888e+18 2020-08-19       1    599     26      C     81
## 3031 6.451337e+17 2020-08-14       0      0      6      A      0
## 3032 6.451807e+18 2020-08-11       0      0      2      A      0
## 3033 6.468974e+18 2020-08-13       0      0      4      A     62
## 3034 6.483310e+18 2020-08-14       0      0      2      A    141
## 3035 6.483641e+18 2020-08-11       0      0     15      C      0
## 3036 6.486891e+18 2020-08-13       0      0      2      A      0
## 3037 6.488048e+18 2020-08-14       0      0      5      G     51
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## 3038 6.488907e+18 2020-08-10      0      0    41      D        0
## 3039 6.490662e+18 2020-08-14      0      0    18      B        0
## 3040 6.492582e+18 2020-08-10      0      0     7      E        0
## 3041 6.499568e+18 2020-08-10      0      0     9      A      141
## 3042 6.504248e+18 2020-08-19      0      0     6      C       70
## 3043 6.504591e+18 2020-08-18      0      0     5      A        0
## 3044 6.505788e+17 2020-08-18      0      0     1      A       31
## 3045 6.507058e+18 2020-08-14      0      0     2      A       13
## 3046 6.509164e+18 2020-08-15      0      0     5      A       40
## 3047 6.510625e+18 2020-08-11      0      0    55      B        4
## 3048 6.516154e+18 2020-08-13      0      0     2      D      110
## 3049 6.519405e+18 2020-08-19      0      0     2      A      141
## 3050 6.525511e+18 2020-08-15      0      0     4      A        0
## 3051 6.530412e+18 2020-08-11      0      0     3      A        0
## 3052 6.531055e+18 2020-08-10      0      0     1      A       45
## 3053 6.531631e+18 2020-08-17      0      0    12   <NA>        0
## 3054 6.532099e+18 2020-08-12      0      0    27      B      223
## 3055 6.534042e+18 2020-08-18      0      0     1      A        9
## 3056 6.537251e+18 2020-08-20      0      0     4      A        0
## 3057 6.537544e+18 2020-08-16      0      0    30      B      223
## 3058 6.540189e+18 2020-08-14      0      0     4      A        0
## 3059 6.553829e+18 2020-08-10      0      0     1      A       45
## 3060 6.553844e+18 2020-08-10      0      0     8      A       93
## 3061 6.555412e+18 2020-08-17      0      0     2      B        0
## 3062 6.556363e+18 2020-08-16      0      0    31      A        0
## 3063 6.558586e+18 2020-08-15      0      0     6      B       36
## 3064 6.561500e+18 2020-08-10      0      0     2      D        0
## 3065 6.567261e+18 2020-08-17      0      0   103      A        0
## 3066 6.567773e+18 2020-08-16      0      0    21      A        0
## 3067 6.570032e+17 2020-08-17      0      0     3      A        0
## 3068 6.572723e+18 2020-08-19      0      0     1      F       30
## 3069 6.572733e+18 2020-08-16      0      0     3      A        0
## 3070 6.574852e+18 2020-08-20      0      0    17      A        8
## 3071 6.582589e+17 2020-08-12      0      0     4      A       43
## 3072 6.582623e+18 2020-08-20      0      0     1      D       31
## 3073 6.584697e+18 2020-08-19      0      0    22      A       51
## 3074 6.590866e+18 2020-08-20      0      0     2      B      208
## 3075 6.610344e+18 2020-08-19      0      0     2      A        0
## 3076 6.618541e+18 2020-08-18      0      0     1      A       52
## 3077 6.630610e+18 2020-08-18      0      0    23      C       28
## 3078 6.630906e+18 2020-08-14      0      0     1      A       13
## 3079 6.633239e+17 2020-08-13      0      0     1      A        0
## 3080 6.650686e+18 2020-08-16      0      0     1      D      141
## 3081 6.651947e+16 2020-08-14      0      0     6      A        0
## 3082 6.656636e+18 2020-08-12      0      0     2      A        0
## 3083 6.656740e+18 2020-08-11      0      0     2      D       81
## 3084 6.668415e+18 2020-08-12      0      0     4      A       43
## 3085 6.669063e+18 2020-08-11      0      0    11      A        0
## 3086 6.683254e+18 2020-08-14      0      0     1      A       65
## 3087 6.683369e+18 2020-08-18      0      0     2      A        0
## 3088 6.684060e+18 2020-08-10      0      0     2      A        0
## 3089 6.685909e+17 2020-08-17      0      0     1      A        0
## 3090 6.688191e+18 2020-08-12      0      0    17      A       43
## 3091 6.688203e+18 2020-08-14      0      0     1      A        0
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## 3092 6.690635e+18 2020-08-11      0      0      4      D      0
## 3093 6.693509e+18 2020-08-14      0      0     57      A     65
## 3094 6.694108e+17 2020-08-13      0      0      1      F      0
## 3095 6.712127e+18 2020-08-19      0      0      4      A      9
## 3096 6.714381e+18 2020-08-15      0      0      5      A      0
## 3097 6.715708e+18 2020-08-12      0      0      3      C      0
## 3098 6.717045e+18 2020-08-10      0      0     12      A     45
## 3099 6.719910e+18 2020-08-11      0      0      1      D     17
## 3100 6.722995e+18 2020-08-18      0      0      5      A      0
## 3101 6.724285e+18 2020-08-12      0      0      1      A     17
## 3102 6.729153e+18 2020-08-11      0      0      6      B     40
## 3103 6.733580e+17 2020-08-15      0      0      6      C      0
## 3104 6.741996e+18 2020-08-10      0      0     25      B     41
## 3105 6.744514e+18 2020-08-12      0      0     19      G     39
## 3106 6.755476e+18 2020-08-10      0      0      2      A     17
## 3107 6.757356e+18 2020-08-14      0      0      1      A     15
## 3108 6.761081e+18 2020-08-20      0      0      2      D     29
## 3109 6.767967e+18 2020-08-11      1    799     37      B     54
## 3110 6.769305e+18 2020-08-10      0      0      3      A      0
## 3111 6.770626e+18 2020-08-17      0      0      8      A     29
## 3112 6.773851e+18 2020-08-15      0      0      2      A      0
## 3113 6.775902e+18 2020-08-13      0      0     13      B     38
## 3114 6.784112e+18 2020-08-10      0      0      1      G    208
## 3115 6.790181e+18 2020-08-16      0      0      5      A      0
## 3116 6.798186e+18 2020-08-15      0      0      1      G     50
## 3117 6.798223e+18 2020-08-17      0      0      3      A      0
## 3118 6.799390e+18 2020-08-16      0      0     29      A      0
## 3119 6.802662e+18 2020-08-13      0      0      5      A    141
## 3120 6.806344e+18 2020-08-16      0      0     22      B     81
## 3121 6.822127e+18 2020-08-17      0      0      1      A      0
## 3122 6.829450e+16 2020-08-15      0      0      1      A    141
## 3123 6.836893e+18 2020-08-10      0      0      1      D     65
## 3124 6.837217e+18 2020-08-12      0      0      2      G      3
## 3125 6.837925e+18 2020-08-13      1    739     85      C      0
## 3126 6.846751e+18 2020-08-13      1   1489     44      A      0
## 3127 6.863087e+17 2020-08-18      0      0      1      B     33
## 3128 6.881725e+18 2020-08-18      0      0     30      A     37
## 3129 6.889881e+18 2020-08-19      0      0     10      D     70
## 3130 6.892811e+18 2020-08-18      0      0     21      A     10
## 3131 6.899364e+18 2020-08-17      0      0     14      B     81
## 3132 6.903979e+18 2020-08-10      0      0      2      A      0
## 3133 6.907608e+18 2020-08-18      0      0      2      E      0
## 3134 6.908860e+18 2020-08-10      0      0      3      F     45
## 3135 6.909503e+18 2020-08-14      1    349     22      C      0
## 3136 6.910563e+18 2020-08-14      0      0     20      A     41
## 3137 6.916509e+18 2020-08-18      0      0     14      A      0
## 3138 6.922663e+18 2020-08-16      0      0     34      D      0
## 3139 6.923543e+18 2020-08-17      0      0     15      A     38
## 3140 6.930358e+18 2020-08-10      1   1299     12      B      0
## 3141 6.930598e+18 2020-08-15      0      0      6      B     36
## 3142 6.941279e+18 2020-08-12      0      0      7      D     53
## 3143 6.941309e+18 2020-08-16      0      0      4      A    141
## 3144 6.942130e+18 2020-08-13      0      0     25      B      2
## 3145 6.969322e+18 2020-08-15      0      0     11      C    122
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## 3146 6.979955e+18 2020-08-13      0     0     16       A     65
## 3147 6.981331e+18 2020-08-13      0     0     10       A      0
## 3148 6.991926e+18 2020-08-20      0     0      5       B     31
## 3149 6.993088e+18 2020-08-14      0     0      6       D      0
## 3150 7.900790e+18 2020-08-17      0     0      1       D      0
## 3151 7.955460e+18 2020-08-13      0     0      3       A      0
## 3152 7.004660e+18 2020-08-11      0     0      5       E     17
## 3153 7.006152e+17 2020-08-14      0     0      1       A     41
## 3154 7.008425e+18 2020-08-18      0     0     13       B     62
## 3155 7.013127e+18 2020-08-10      0     0      5       D    100
## 3156 7.016439e+18 2020-08-15      0     0     43       A      0
## 3157 7.016777e+18 2020-08-20      0     0      1       A      0
## 3158 7.018557e+17 2020-08-15      0     0      1       A     13
## 3159 7.019533e+18 2020-08-11      0     0      6       D     40
## 3160 7.022549e+17 2020-08-18      0     0     15    <NA>      0
## 3161 7.025462e+18 2020-08-10      0     0      2       A     93
## 3162 7.043918e+18 2020-08-16      0     0      9       A      0
## 3163 7.045315e+18 2020-08-18      0     0      4       A      0
## 3164 7.045615e+18 2020-08-20      0     0     20       G    103
## 3165 7.047349e+18 2020-08-14      0     0      1       A      0
## 3166 7.058467e+18 2020-08-20      0     0     28    <NA>      0
## 3167 7.061165e+17 2020-08-13      0     0      2       F     16
## 3168 7.092153e+17 2020-08-16      0     0      6       A      0
## 3169 7.094502e+18 2020-08-13      0     0     31       C      0
## 3170 7.100468e+18 2020-08-20      0     0     20       C     59
## 3171 7.104634e+18 2020-08-16      0     0      1       E    130
## 3172 7.108914e+18 2020-08-14      0     0      4       B      0
## 3173 7.112705e+18 2020-08-19      0     0      2       A      0
## 3174 7.115217e+18 2020-08-15      0     0      3       A      0
## 3175 7.121243e+18 2020-08-18      0     0      1       A      0
## 3176 7.121587e+18 2020-08-15      0     0      1       A     65
## 3177 7.134908e+18 2020-08-16      0     0      1       C    208
## 3178 7.141484e+18 2020-08-12      0     0      1       A     87
## 3179 7.144598e+18 2020-08-15      0     0      7       B      0
## 3180 7.151093e+18 2020-08-10      0     0     21       B     41
## 3181 7.154061e+18 2020-08-11      0     0      1       A     65
## 3182 7.155729e+18 2020-08-20      0     0      1       B      0
## 3183 7.171898e+17 2020-08-14      0     0      2       D      0
## 3184 7.177252e+18 2020-08-13      0     0     24       A     14
## 3185 7.179963e+18 2020-08-12      0     0      3       A     16
## 3186 7.182121e+18 2020-08-13      0     0      6       C      0
## 3187 7.186031e+18 2020-08-10      0     0     18       A      0
## 3188 7.189346e+18 2020-08-18      0     0     10       G     47
## 3189 7.200939e+18 2020-08-17      0     0      5       A      0
## 3190 7.203968e+18 2020-08-15      0     0     22       D      0
## 3191 7.206436e+18 2020-08-12      0     0     13       A      0
## 3192 7.206555e+18 2020-08-16      0     0      9       D    107
## 3193 7.208115e+18 2020-08-11      0     0      7       D      0
## 3194 7.219191e+18 2020-08-15      0     0      4       B      0
## 3195 7.225776e+18 2020-08-16      0     0      2       A     54
## 3196 7.226122e+18 2020-08-12      0     0    125       C      0
## 3197 7.235648e+18 2020-08-17      0     0      4       B     81
## 3198 7.242583e+17 2020-08-10      0     0     14       A      0
## 3199 7.244264e+18 2020-08-17      0     0      1       A     38
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## 3200 7.245596e+18 2020-08-15          0    0    11       C       36
## 3201 7.249632e+18 2020-08-13          0    0     5       A       62
## 3202 7.254219e+17 2020-08-14          0    0     3       A        0
## 3203 7.255267e+18 2020-08-10          1  209    11       A        0
## 3204 7.264625e+18 2020-08-10          0    0    44       C       43
## 3205 7.264899e+18 2020-08-19          0    0     4       A        0
## 3206 7.270733e+18 2020-08-15          0    0     8       A       65
## 3207 7.270811e+18 2020-08-10          0    0    39       C        5
## 3208 7.284309e+17 2020-08-17          0    0    18       C       81
## 3209 7.284521e+18 2020-08-14          0    0     1       A       15
## 3210 7.292421e+18 2020-08-11          0    0     4       C       42
## 3211 7.301447e+18 2020-08-10          0    0    25       C        0
## 3212 7.304979e+18 2020-08-20          0    0    11       A        0
## 3213 7.311349e+18 2020-08-11          0    0     6    <NA>        0
## 3214 7.316244e+18 2020-08-10          0    0     9       D        0
## 3215 7.316477e+18 2020-08-11          0    0    10    <NA>        0
## 3216 7.323486e+18 2020-08-18          0    0     2       A       31
## 3217 7.325653e+18 2020-08-11          0    0     3       A       16
## 3218 7.332243e+18 2020-08-15          0    0     3       A        0
## 3219 7.334661e+18 2020-08-20          0    0    56       C       31
## 3220 7.338340e+18 2020-08-19          0    0     1       B        0
## 3221 7.339583e+18 2020-08-18          0    0     1       A        0
## 3222 7.351584e+18 2020-08-18          0    0    24       C       81
## 3223 7.355156e+18 2020-08-15          0    0     9       E        0
## 3224 7.360075e+18 2020-08-19          0    0     1       A        9
## 3225 7.377342e+16 2020-08-14          0    0     2       A      141
## 3226 7.387894e+15 2020-08-11          0    0    46       B       40
## 3227 7.388691e+18 2020-08-14          0    0     7       A       41
## 3228 7.388953e+18 2020-08-19          0    0     7       G      223
## 3229 7.390504e+18 2020-08-19          0    0    10       C        0
## 3230 7.394080e+17 2020-08-11          0    0    13       C       42
## 3231 7.416444e+18 2020-08-19          0    0     4       A       51
## 3232 7.419356e+18 2020-08-17          0    0     1       A       53
## 3233 7.421091e+18 2020-08-14          0    0     3       A        0
## 3234 7.426594e+18 2020-08-11          0    0     9       C        0
## 3235 7.427288e+18 2020-08-10          0    0     5       B        0
## 3236 7.428145e+18 2020-08-19          0    0    43       A        0
## 3237 7.428673e+18 2020-08-17          0    0     3       A       10
## 3238 7.434930e+18 2020-08-18          0    0     8       A       31
## 3239 7.435856e+18 2020-08-17          0    0     2       B        0
## 3240 7.437594e+17 2020-08-11          0    0     1       A       44
## 3241 7.444633e+18 2020-08-16          0    0     1       A        0
## 3242 7.446760e+18 2020-08-12          0    0    30       C       59
## 3243 7.449010e+18 2020-08-12          0    0     5       C       39
## 3244 7.452402e+17 2020-08-12          0    0    34       A        0
## 3245 7.466766e+16 2020-08-14          0    0     2       A        0
## 3246 7.474573e+18 2020-08-10          0    0     5       D      141
## 3247 7.485324e+18 2020-08-15          0    0     1       E        0
## 3248 7.486304e+18 2020-08-13          0    0     2       C        0
## 3249 7.489006e+18 2020-08-14          0    0     2       G      109
## 3250 7.499064e+18 2020-08-16          0    0    10       A       33
## 3251 7.510039e+18 2020-08-16          0    0     4       D       49
## 3252 7.511396e+18 2020-08-12          0    0    49       A        0
## 3253 7.514065e+18 2020-08-17          0    0     9       A        0
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## 3254 7.523767e+18 2020-08-14     0     0     2     A      15
## 3255 7.528251e+18 2020-08-16     0     0     1     D      84
## 3256 7.546260e+18 2020-08-18     1   739   117     C       0
## 3257 7.553898e+18 2020-08-15     0     0    14     A       0
## 3258 7.556491e+18 2020-08-17     0     0    10     D     106
## 3259 7.565522e+18 2020-08-18     0     0     3     E       0
## 3260 7.565933e+18 2020-08-14     0     0     2     A       0
## 3261 7.569945e+18 2020-08-10     0     0     1     A       0
## 3262 7.572206e+18 2020-08-19     0     0     1     B       0
## 3263 7.575848e+18 2020-08-18     0     0     1     C      71
## 3264 7.577124e+18 2020-08-15     0     0     1     A      62
## 3265 7.577491e+18 2020-08-15     0     0     9     G      50
## 3266 7.591820e+18 2020-08-13     0     0     2     A      65
## 3267 7.593885e+18 2020-08-18     0     0     1     E       0
## 3268 7.595094e+18 2020-08-17     0     0     2     A     129
## 3269 7.608038e+17 2020-08-17     0     0    17     D      72
## 3270 7.610186e+18 2020-08-20     0     0     5     A       0
## 3271 7.612893e+18 2020-08-17     0     0    19     B       0
## 3272 7.618859e+18 2020-08-13     0     0    21     C      58
## 3273 7.635394e+18 2020-08-14     0     0     2     A      13
## 3274 7.637789e+18 2020-08-10     0     0    34     A      45
## 3275 7.642339e+18 2020-08-14     0     0     4     A       0
## 3276 7.645990e+18 2020-08-15     0     0     2     A      40
## 3277 7.646341e+18 2020-08-19     0     0     1     A      51
## 3278 7.651573e+18 2020-08-17     0     0     6     C      10
## 3279 7.661673e+18 2020-08-16     0     0    30     A       0
## 3280 7.662268e+17 2020-08-16     0     0     2     A       0
## 3281 7.664059e+18 2020-08-15     0     0     1     A      40
## 3282 7.667383e+17 2020-08-19     0     0    13     A       0
## 3283 7.668046e+18 2020-08-17     0     0     4     B       0
## 3284 7.669553e+18 2020-08-11     0     0     3     A      18
## 3285 7.676290e+18 2020-08-20     0     0     2     A     100
## 3286 7.680807e+17 2020-08-17     0     0     1     F      72
## 3287 7.682866e+18 2020-08-14     0     0     1     B      57
## 3288 7.684290e+18 2020-08-15     0     0    22     B      50
## 3289 7.696480e+18 2020-08-12     0     0     6     B      39
## 3290 7.699336e+18 2020-08-11     0     0     2     A     108
## 3291 7.708710e+18 2020-08-10     0     0    13     B      41
## 3292 7.709203e+18 2020-08-13     0     0     3     D     138
## 3293 7.713928e+18 2020-08-17     0     0    19     B       0
## 3294 7.714546e+18 2020-08-15     0     0     9     A       0
## 3295 7.717834e+18 2020-08-11     0     0    14  <NA>       4
## 3296 7.719391e+18 2020-08-17     0     0    10     A     129
## 3297 7.721533e+18 2020-08-16     0     0     8     A      33
## 3298 7.726962e+18 2020-08-17     0     0     1     A      38
## 3299 7.729974e+18 2020-08-16     0     0     6     A       0
## 3300 7.732278e+18 2020-08-13     0     0     5     A       0
## 3301 7.737503e+18 2020-08-12     0     0     1     A       0
## 3302 7.740033e+18 2020-08-18     0     0     1     A       0
## 3303 7.745941e+18 2020-08-18     0     0     3     A      37
## 3304 7.748144e+18 2020-08-15     0     0    14     F      36
## 3305 7.749485e+18 2020-08-14     0     0    18     G      51
## 3306 7.752831e+18 2020-08-12     0     0    10     F       0
## 3307 7.756706e+18 2020-08-10     0     0     2     A      17
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## 3308 7.761927e+18 2020-08-19    0    0   10    A    36
## 3309 7.761960e+18 2020-08-13    0    0    1    A    42
## 3310 7.766191e+18 2020-08-12    1  398   11    D     0
## 3311 7.771926e+18 2020-08-17    0    0    2    A    38
## 3312 7.773339e+18 2020-08-20    0    0    1    C    69
## 3313 7.774221e+18 2020-08-20    0    0    6    A     8
## 3314 7.778065e+18 2020-08-20    0    0    3    A   141
## 3315 7.779455e+18 2020-08-18    0    0    4    D     0
## 3316 7.780333e+18 2020-08-19    0    0    1    E   127
## 3317 7.789278e+18 2020-08-16    0    0    9    C    81
## 3318 7.793977e+18 2020-08-15    0    0    2    A    31
## 3319 7.800180e+18 2020-08-11    0    0    1    A     0
## 3320 7.809019e+18 2020-08-19    0    0   23 <NA>    0
## 3321 7.811938e+18 2020-08-19    0    0    9    A     0
## 3322 7.814907e+17 2020-08-13    0    0    2    A    62
## 3323 7.816687e+17 2020-08-16    0    0    8    E     0
## 3324 7.818807e+18 2020-08-18    0    0   18    A    52
## 3325 7.819715e+17 2020-08-13    0    0   10    A     0
## 3326 7.831184e+18 2020-08-15    1 1339    5    A    65
## 3327 7.831320e+18 2020-08-11    0    0    4    A    16
## 3328 7.842665e+18 2020-08-10    1  739  146    C     0
## 3329 7.844158e+18 2020-08-19    0    0    1    A     0
## 3330 7.848343e+17 2020-08-16    0    0   12    C    81
## 3331 7.852788e+18 2020-08-12    0    0    7    D    39
## 3332 7.856647e+18 2020-08-14    0    0    2    A     0
## 3333 7.856913e+18 2020-08-20    0    0    5 <NA>    0
## 3334 7.861040e+18 2020-08-13    0    0    2    A     0
## 3335 7.862834e+17 2020-08-12    0    0    5    A     0
## 3336 7.868715e+18 2020-08-17    0    0    3    A    53
## 3337 7.869887e+18 2020-08-14    0    0    7    A     0
## 3338 7.880114e+18 2020-08-12    0    0    1    A   141
## 3339 7.880707e+18 2020-08-10    0    0   16    A    65
## 3340 7.887109e+18 2020-08-17    0    0    8    A     0
## 3341 7.887417e+18 2020-08-17    0    0    8    D     0
## 3342 7.889684e+18 2020-08-18    0    0    5    C    65
## 3343 7.893561e+18 2020-08-19    0    0    8    A     0
## 3344 7.899009e+18 2020-08-17    0    0    5    E     0
## 3345 7.899761e+18 2020-08-17    0    0    1    A   141
## 3346 7.901546e+18 2020-08-14    0    0    2    A     0
## 3347 7.908537e+18 2020-08-12    0    0   11    G   159
## 3348 7.914418e+18 2020-08-10    0    0    3    D     0
## 3349 7.915887e+18 2020-08-17    0    0    2    D     0
## 3350 7.916509e+17 2020-08-14    0    0   28    A    13
## 3351 7.917630e+18 2020-08-19    0    0    3    A     8
## 3352 7.940163e+18 2020-08-17    0    0    2    A     0
## 3353 7.953371e+18 2020-08-14    1  499   43    B    37
## 3354 7.964293e+18 2020-08-17    0    0    2    D    72
## 3355 7.965620e+18 2020-08-13    0    0   17    A    42
## 3356 7.971804e+18 2020-08-13    0    0    6    B    38
## 3357 7.988949e+18 2020-08-15    0    0    2    A     0
## 3358 7.991096e+18 2020-08-12    0    0   20    F    39
## 3359 7.998947e+18 2020-08-11    0    0   36    A    16
## 3360 7.999709e+18 2020-08-17    0    0   13    B    34
## 3361 8.665018e+18 2020-08-17    0    0   56    F    48
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## 3362 8.001160e+18 2020-08-17          0      0      2        G      208
## 3363 8.002405e+18 2020-08-14          0      0     34        F      105
## 3364 8.002984e+18 2020-08-16          0      0      7        A       54
## 3365 8.003383e+18 2020-08-10          0      0      9     <NA>        0
## 3366 8.004076e+18 2020-08-13          0      0      4        C       14
## 3367 8.007180e+18 2020-08-17          0      0      1        A       53
## 3368 8.033966e+18 2020-08-15          0      0     10        A      141
## 3369 8.035954e+18 2020-08-18          0      0      3        D        0
## 3370 8.048581e+18 2020-08-16          0      0     10        A       55
## 3371 8.050069e+18 2020-08-11          0      0     26        A        0
## 3372 8.059834e+17 2020-08-15          0      0      1        A       40
## 3373 8.062663e+17 2020-08-15          0      0      1        A       13
## 3374 8.064840e+18 2020-08-11          0      0     21        C       81
## 3375 8.065416e+18 2020-08-19          0      0     22        C       27
## 3376 8.067233e+18 2020-08-17          0      0      8        A       53
## 3377 8.075404e+17 2020-08-12          0      0      1        A       89
## 3378 8.076179e+18 2020-08-20          0      0      5        D        0
## 3379 8.081003e+18 2020-08-13          0      0      4        D        0
## 3380 8.092093e+18 2020-08-15          0      0      4        G      223
## 3381 8.094714e+18 2020-08-14          0      0      1        A       65
## 3382 8.100122e+17 2020-08-19          0      0      1        A        0
## 3383 8.100454e+18 2020-08-12          0      0     28        A        0
## 3384 8.106075e+18 2020-08-11          0      0     26        A       16
## 3385 8.106287e+18 2020-08-11          0      0     17        A        0
## 3386 8.106377e+18 2020-08-11          0      0     45        A        0
## 3387 8.107859e+18 2020-08-11          0      0      2        A        0
## 3388 8.110731e+18 2020-08-14          0      0     11        F        0
## 3389 8.110885e+18 2020-08-19          1    899     21        C        0
## 3390 8.113499e+18 2020-08-20          0      0      1        A       35
## 3391 8.115669e+18 2020-08-10          0      0      1        A        0
## 3392 8.115915e+18 2020-08-12          0      0      1        E      134
## 3393 8.116123e+18 2020-08-16          0      0      4        A        0
## 3394 8.130562e+18 2020-08-13          0      0     24        C       58
## 3395 8.138662e+18 2020-08-11          0      0      9        F      109
## 3396 8.141617e+18 2020-08-14          0      0     18        A        0
## 3397 8.143949e+18 2020-08-15          0      0      1        A        0
## 3398 8.143994e+18 2020-08-18          0      0      3        A       28
## 3399 8.144246e+17 2020-08-16          1    989     52        A        0
## 3400 8.159704e+18 2020-08-16          1   1729      8        A        0
## 3401 8.161941e+18 2020-08-18          0      0      2        G      208
## 3402 8.163425e+18 2020-08-14          0      0     37        F       37
## 3403 8.167109e+16 2020-08-15          0      0     16     <NA>        0
## 3404 8.167116e+18 2020-08-12          0      0      2        D        0
## 3405 8.172947e+18 2020-08-18          0      0     20        B        0
## 3406 8.173611e+18 2020-08-16          0      0      5        A       33
## 3407 8.178739e+18 2020-08-16          0      0     32        B        0
## 3408 8.185758e+18 2020-08-17          0      0      1     <NA>       81
## 3409 8.192011e+18 2020-08-10          0      0      3        D        0
## 3410 8.193290e+18 2020-08-12          0      0     33        F       15
## 3411 8.204230e+17 2020-08-11          0      0      2        A       90
## 3412 8.211551e+18 2020-08-17          0      0      3        B       34
## 3413 8.215334e+18 2020-08-12          0      0      1        A        0
## 3414 8.221568e+18 2020-08-19          0      0     18        B        0
## 3415 8.223072e+18 2020-08-17          0      0      1        A       38
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## 3416 8.223337e+18 2020-08-10      0      0     5     E     18
## 3417 8.227283e+18 2020-08-17      0      0     6     D      0
## 3418 8.230593e+18 2020-08-19      0      0     9     F    101
## 3419 8.231115e+18 2020-08-20      0      0     2     A      0
## 3420 8.231582e+18 2020-08-20      0      0    10     B      0
## 3421 8.238008e+18 2020-08-17      0      0     6     A    103
## 3422 8.239642e+17 2020-08-12      0      0     3     A      0
## 3423 8.245665e+18 2020-08-12      0      0     5     A      0
## 3424 8.248904e+17 2020-08-17      0      0     2     F      0
## 3425 8.252997e+18 2020-08-13      0      0    22     B     81
## 3426 8.262759e+18 2020-08-17      0      0     4     C     72
## 3427 8.272898e+18 2020-08-16      0      0     9     A      0
## 3428 8.282085e+18 2020-08-16      0      0     2     D      0
## 3429 8.282117e+18 2020-08-20      0      0     2     D      0
## 3430 8.287692e+18 2020-08-15      0      0     4     A      0
## 3431 8.288853e+18 2020-08-11      0      0    11     C      0
## 3432 8.292690e+18 2020-08-11      0      0     8     A     44
## 3433 8.305647e+18 2020-08-13      0      0    14     B      0
## 3434 8.313684e+18 2020-08-18      0      0     9     A      9
## 3435 8.324885e+18 2020-08-13      0      0     3     A      0
## 3436 8.332206e+18 2020-08-16      0      0     4     A      0
## 3437 8.335720e+18 2020-08-10      0      0    59     B     41
## 3438 8.337848e+18 2020-08-12      0      0     7     A    108
## 3439 8.344489e+18 2020-08-17      0      0    31     A     53
## 3440 8.345390e+18 2020-08-20      0      0     8     A     50
## 3441 8.347616e+18 2020-08-18      0      0     6     A      0
## 3442 8.350776e+18 2020-08-17      0      0     1  <NA>     29
## 3443 8.361649e+18 2020-08-19      0      0     5     C    208
## 3444 8.362061e+17 2020-08-10      1    599    29     B     41
## 3445 8.367628e+18 2020-08-18      0      0    13     F    102
## 3446 8.371797e+18 2020-08-12      0      0     5     D      0
## 3447 8.372691e+18 2020-08-20      0      0     2     A     81
## 3448 8.374136e+18 2020-08-19      0      0     2     A     36
## 3449 8.374809e+18 2020-08-13      0      0    27     A      0
## 3450 8.385826e+18 2020-08-18      0      0    35     A     37
## 3451 8.388813e+18 2020-08-18      0      0     4     A     28
## 3452 8.390325e+18 2020-08-18      0      0     2     A     37
## 3453 8.407988e+18 2020-08-14      0      0    15     F      0
## 3454 8.409048e+18 2020-08-14      0      0     1     D     37
## 3455 8.424142e+18 2020-08-16      0      0     1     A      0
## 3456 8.427921e+18 2020-08-19      0      0    91     A      0
## 3457 8.440934e+18 2020-08-17      0      0     5     A    141
## 3458 8.441380e+18 2020-08-15      0      0    33     A     31
## 3459 8.447005e+18 2020-08-19      0      0    35     A     51
## 3460 8.447059e+18 2020-08-15      0      0     2     A     62
## 3461 8.452745e+18 2020-08-10      0      0     1     A      0
## 3462 8.454003e+18 2020-08-14      0      0    11     F    106
## 3463 8.455254e+18 2020-08-10      0      0     8     A     45
## 3464 8.455860e+17 2020-08-11      0      0    22     F     16
## 3465 8.463513e+18 2020-08-11      0      0     4     A      0
## 3466 8.469272e+18 2020-08-17      0      0    28     B     72
## 3467 8.469887e+18 2020-08-20      0      0     4     A      0
## 3468 8.472394e+18 2020-08-20      0      0    20     C      0
## 3469 8.472968e+18 2020-08-20      0      0    16     G    103
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## 3470 8.473833e+18 2020-08-20        0      0      1      A      29
## 3471 8.475500e+18 2020-08-12        0      0      1      A      15
## 3472 8.484053e+18 2020-08-20        0      0     20      A       0
## 3473 8.487247e+18 2020-08-11        0      0      4      F     141
## 3474 8.487770e+18 2020-08-17        0      0      4      A       0
## 3475 8.502334e+18 2020-08-18        0      0      2      B       0
## 3476 8.502405e+16 2020-08-18        1    569      6      A      52
## 3477 8.503918e+18 2020-08-20        0      0      2      A       0
## 3478 8.505223e+18 2020-08-12        0      0     26      F      53
## 3479 8.507542e+18 2020-08-10        0      0      3      A      19
## 3480 8.507750e+17 2020-08-12        0      0      2      A       0
## 3481 8.512435e+18 2020-08-13        0      0      8      A       0
## 3482 8.512809e+18 2020-08-14        0      0     27      B       0
## 3483 8.519240e+18 2020-08-17        0      0      1      A      29
## 3484 8.525041e+18 2020-08-17        0      0      1      A      38
## 3485 8.542795e+18 2020-08-15        0      0     31      C      14
## 3486 8.544507e+18 2020-08-18        0      0      1      A       0
## 3487 8.546847e+18 2020-08-15        0      0     10      A       0
## 3488 8.553019e+18 2020-08-11        0      0      6      B       0
## 3489 8.558187e+18 2020-08-12        0      0      3      E      16
## 3490 8.559059e+18 2020-08-13        0      0     27      A       0
## 3491 8.572364e+18 2020-08-12        0      0      3      A       0
## 3492 8.572905e+18 2020-08-20        1   1499     32      A       8
## 3493 8.573840e+18 2020-08-20        0      0      7      A       0
## 3494 8.574016e+18 2020-08-18        0      0      7      A      28
## 3495 8.575745e+18 2020-08-11        0      0      4      B       0
## 3496 8.578718e+18 2020-08-16        0      0     17      F      33
## 3497 8.582187e+18 2020-08-17        0      0      2      A       0
## 3498 8.588737e+18 2020-08-12        0      0      5      G      53
## 3499 8.590432e+18 2020-08-17        0      0      2      B       0
## 3500 8.593902e+18 2020-08-15        0      0      9      A     105
## 3501 8.602060e+18 2020-08-11        0      0      3      A      92
## 3502 8.613534e+18 2020-08-18        0      0      9      A       0
## 3503 8.615790e+18 2020-08-20        0      0      2      A     141
## 3504 8.619817e+18 2020-08-16        0      0      2      A      12
## 3505 8.620715e+18 2020-08-14        0      0     23      C       0
## 3506 8.622877e+18 2020-08-15        0      0     19      C       0
## 3507 8.630615e+18 2020-08-17        0      0      3      A       0
## 3508 8.632911e+18 2020-08-18        0      0      2      A       0
## 3509 8.634901e+17 2020-08-17        0      0     51      C      34
## 3510 8.634950e+18 2020-08-11        0      0      1      A       0
## 3511 8.646678e+18 2020-08-14        0      0      2      A      13
## 3512 8.647906e+18 2020-08-14        0      0     18      A       0
## 3513 8.651426e+18 2020-08-17        1    739    126      C       0
## 3514 8.654536e+18 2020-08-18        1    699      1      F       0
## 3515 8.655789e+18 2020-08-10        0      0     10      C      62
## 3516 8.657590e+18 2020-08-12        0      0      1      A       0
## 3517 8.658803e+18 2020-08-19        0      0      9      A      36
## 3518 8.659361e+18 2020-08-15        0      0     21      A      13
## 3519 8.662244e+18 2020-08-15        0      0     40      A      40
## 3520 8.667133e+18 2020-08-17        0      0      1      A      38
## 3521 8.668068e+18 2020-08-12        0      0      1      D      16
## 3522 8.673800e+18 2020-08-16        0      0      3      A      54
## 3523 8.677883e+18 2020-08-15        0      0      1      D       0
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## 3524 8.678770e+18 2020-08-18      0      0      3      B      71
## 3525 8.681231e+18 2020-08-12      0      0      7      B      77
## 3526 8.687854e+18 2020-08-13      0      0      6      E       0
## 3527 8.701944e+15 2020-08-15      0      0      1      A       0
## 3528 8.707128e+18 2020-08-12      0      0      1      A      15
## 3529 8.707152e+17 2020-08-18      0      0      5      D       0
## 3530 8.711614e+18 2020-08-13      0      0     17      F      42
## 3531 8.739258e+18 2020-08-12      0      0      5      C      59
## 3532 8.742201e+18 2020-08-11      0      0      3      A      92
## 3533 8.744661e+18 2020-08-19      0      0      3      D      65
## 3534 8.745350e+18 2020-08-12      0      0     11      A      43
## 3535 8.752346e+18 2020-08-17      0      0     18      D      32
## 3536 8.757853e+18 2020-08-12      0      0      1      D       0
## 3537 8.759252e+18 2020-08-19      2   1578     35      C      32
## 3538 8.760185e+17 2020-08-11      0      0      4      A     141
## 3539 8.760669e+18 2020-08-20      0      0      3      C      81
## 3540 8.783313e+18 2020-08-11      1   1339     50      A      16
## 3541 8.786289e+18 2020-08-11      0      0     19      A      16
## 3542 8.788476e+18 2020-08-13      0      0      8      A      14
## 3543 8.790055e+18 2020-08-19      0      0     22      B      46
## 3544 8.794869e+18 2020-08-10      0      0      1      A       0
## 3545 8.799856e+18 2020-08-18      0      0      2      A       0
## 3546 8.809952e+18 2020-08-14      0      0      3      A       0
## 3547 8.810263e+18 2020-08-16      0      0     16      C       0
## 3548 8.823384e+18 2020-08-11      0      0      9      A       0
## 3549 8.823932e+18 2020-08-14      0      0     23      C       0
## 3550 8.824384e+18 2020-08-16      0      0      3      A      12
## 3551 8.829191e+18 2020-08-10      0      0     44      A       0
## 3552 8.830259e+18 2020-08-15      0      0      1      E       0
## 3553 8.832317e+18 2020-08-15      0      0      7      A       0
## 3554 8.837698e+17 2020-08-12      0      0      2      A       0
## 3555 8.845209e+18 2020-08-19      0      0      3      A       0
## 3556 8.847288e+18 2020-08-13      0      0      1      A       0
## 3557 8.850687e+18 2020-08-19      0      0      3      D       0
## 3558 8.852793e+18 2020-08-19      0      0      3      B     208
## 3559 8.855921e+18 2020-08-15      0      0     11      A       0
## 3560 8.859086e+18 2020-08-17      0      0     13      A       0
## 3561 8.866757e+18 2020-08-12      0      0      5      A       0
## 3562 8.869670e+18 2020-08-10      0      0     14      C       0
## 3563 8.882804e+18 2020-08-14      0      0      3      E       0
## 3564 8.886337e+17 2020-08-16      0      0      3      A      39
## 3565 8.890768e+18 2020-08-13      0      0     21      C       0
## 3566 8.891396e+18 2020-08-11      0      0      1      A       0
## 3567 8.894885e+18 2020-08-16      0      0      2      D       0
## 3568 8.907762e+18 2020-08-13      0      0      6      A      42
## 3569 8.908233e+18 2020-08-20      0      0      8      A     141
## 3570 8.915473e+18 2020-08-14      0      0     15      F       0
## 3571 8.917064e+18 2020-08-19      0      0      5      F       0
## 3572 8.919304e+18 2020-08-11      0      0      1      A      90
## 3573 8.919599e+18 2020-08-10      0      0      8      D      65
## 3574 8.923815e+18 2020-08-13      0      0      1      A      42
## 3575 8.924188e+18 2020-08-18      0      0      2      F       0
## 3576 8.931912e+18 2020-08-11      0      0      5      A      92
## 3577 8.933929e+18 2020-08-20      0      0      2      E       0
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## 3578 8.940403e+18 2020-08-15        0        0       10        F        0
## 3579 8.941127e+18 2020-08-11        0        0        2        A        0
## 3580 8.947083e+18 2020-08-18        0        0        6        A      128
## 3581 8.961811e+18 2020-08-14        0        0        2        A       65
## 3582 8.965633e+18 2020-08-18        0        0        6        A       52
## 3583 8.967250e+18 2020-08-20        0        0        1        F       26
## 3584 8.968771e+18 2020-08-15        0        0        2        D      136
## 3585 8.973100e+18 2020-08-19        0        0       43        B        0
## 3586 8.977094e+18 2020-08-14        1      549        8        A        0
## 3587 8.980079e+18 2020-08-14        0        0       13        A       14
## 3588 8.990439e+18 2020-08-10        0        0        7        D       41
## 3589 8.992087e+17 2020-08-18        0        0       11        C       71
## 3590 8.996578e+18 2020-08-18        0        0        4        D       10
## 3591 8.999932e+18 2020-08-10        0        0        1        A        0
## 3592 9.142813e+18 2020-08-14        0        0        4        B        0
## 3593 9.001728e+18 2020-08-15        0        0        1        A       40
## 3594 9.004561e+18 2020-08-20        0        0       29        B       81
## 3595 9.006144e+17 2020-08-11        0        0        2        A       18
## 3596 9.006312e+18 2020-08-11        0        0        2        A        0
## 3597 9.010411e+18 2020-08-10        0        0        8        C        0
## 3598 9.015626e+18 2020-08-20        0        0        6        A        0
## 3599 9.017642e+18 2020-08-19        0        0        1        D        0
## 3600 9.022555e+17 2020-08-15        0        0       26        C       62
## 3601 9.023294e+18 2020-08-12        0        0       20        B       53
## 3602 9.024759e+18 2020-08-20        0        0        5        C        0
## 3603 9.028005e+18 2020-08-14        0        0        1        B        0
## 3604 9.037833e+18 2020-08-15        0        0       34        B       36
## 3605 9.045284e+18 2020-08-10        0        0        5        C      208
## 3606 9.047726e+18 2020-08-12        0        0        8        A        0
## 3607 9.050610e+18 2020-08-14        0        0        3        A        0
## 3608 9.061590e+18 2020-08-10        0        0        2        A        0
## 3609 9.061861e+18 2020-08-14        0        0        5        C       81
## 3610 9.077124e+18 2020-08-16        0        0        2        A       39
## 3611 9.077412e+18 2020-08-18        0        0        6        A        0
## 3612 9.084739e+18 2020-08-14        0        0       13     <NA>        0
## 3613 9.093942e+18 2020-08-14        0        0        4        D        0
## 3614 9.108125e+18 2020-08-13        0        0        3        B        0
## 3615 9.110496e+18 2020-08-12        0        0        3        B        0
## 3616 9.114113e+18 2020-08-20        0        0        3        A       29
## 3617 9.126195e+18 2020-08-10        0        0        4        B        0
## 3618 9.127453e+18 2020-08-14        0        0       22        C       81
## 3619 9.127668e+17 2020-08-19        0        0        6        A       70
## 3620 9.133579e+18 2020-08-10        0        0       17        A       65
## 3621 9.137444e+18 2020-08-14        0        0        7        C       51
## 3622 9.139176e+18 2020-08-13        0        0        2        G       52
## 3623 9.143400e+18 2020-08-16        0        0       23        C       30
## 3624 9.148269e+18 2020-08-14        0        0        9        A       41
## 3625 9.149014e+18 2020-08-20        0        0        6        A        0
## 3626 9.154303e+18 2020-08-16        0        0        2        E        0
## 3627 9.154760e+17 2020-08-18        0        0        4        D       71
## 3628 9.159652e+18 2020-08-18        0        0        1        A       52
## 3629 9.160976e+18 2020-08-20        0        0        5        A        0
## 3630 9.167836e+18 2020-08-12        0        0        5        A        0
## 3631 9.172686e+18 2020-08-10        0        0        3        A       45
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## 3632 9.174815e+18 2020-08-17     0     0     2     A     0
## 3633 9.180842e+18 2020-08-14     0     0     2     A     0
## 3634 9.184196e+18 2020-08-20     0     0     2     C     0
## 3635 9.187753e+18 2020-08-18     0     0     2     A    37
## 3636 9.189387e+18 2020-08-13     0     0     6     A     0
## 3637 9.190266e+18 2020-08-19     1   939    44     C     0
## 3638 9.194221e+17 2020-08-17     0     0     3     G    83
## 3639 9.197518e+17 2020-08-11     0     0     2     A     0
## 3640 9.198534e+18 2020-08-14     0     0     1     A   141
## 3641 9.199312e+17 2020-08-10     0     0     1     A    45
## 3642 9.201995e+18 2020-08-19     0     0     2     A    36
## 3643 9.203847e+18 2020-08-14     0     0     8     A     0
## 3644 9.211661e+18 2020-08-16     0     0     7     A    33
## 3645 9.214252e+18 2020-08-16     0     0     6     B    81
## 3646 9.215501e+18 2020-08-11     0     0     6     A     0
## 3647 9.221085e+18 2020-08-19     0     0     4     C    70
## 3648 9.232317e+18 2020-08-19     0     0     1     E     0
## 3649 9.235771e+18 2020-08-13     0     0     4     A     0
## 3650 9.237171e+18 2020-08-12     0     0    10     A    43
## 3651 9.237470e+18 2020-08-13     0     0    11     A    15
## 3652 9.238648e+18 2020-08-15     0     0    14     A   131
## 3653 9.240907e+18 2020-08-10     0     0     5     A     0
## 3654 9.247029e+18 2020-08-10     0     0     1     A     0
## 3655 9.254134e+18 2020-08-16     0     0     4     D    49
## 3656 9.257778e+17 2020-08-13     0     0    28     A     0
## 3657 9.260333e+18 2020-08-14     0     0    42     B     0
## 3658 9.268384e+18 2020-08-10     0     0    11     D    55
## 3659 9.269710e+18 2020-08-14     0     0     1     A    15
## 3660 9.271908e+18 2020-08-11     0     0     1     E    99
## 3661 9.273439e+17 2020-08-18     0     0     3     A     0
## 3662 9.282931e+18 2020-08-16     0     0     5     D     0
## 3663 9.283893e+18 2020-08-15     0     0    12     B    56
## 3664 9.285840e+18 2020-08-11     0     0     2     A     0
## 3665 9.286254e+18 2020-08-13     0     0     2     D   158
## 3666 9.293938e+18 2020-08-17     0     0     2     A     0
## 3667 9.298889e+18 2020-08-20     0     0     3     D     0
## 3668 9.306342e+18 2020-08-12     0     0    12     A     0
## 3669 9.309892e+18 2020-08-19     0     0     9     C    46
## 3670 9.310804e+18 2020-08-13     0     0    14     G    52
## 3671 9.319293e+18 2020-08-10     0     0     2     A    93
## 3672 9.321535e+18 2020-08-19     0     0     4     A    30
## 3673 9.325707e+18 2020-08-14     0     0     8     B    37
## 3674 9.362271e+18 2020-08-13     0     0    13     A     0
## 3675 9.362726e+18 2020-08-17     0     0    11     D   154
## 3676 9.363085e+18 2020-08-10     0     0     9     A    45
## 3677 9.370120e+18 2020-08-15     0     0     8     G   208
## 3678 9.370373e+18 2020-08-16     0     0     1     A    54
## 3679 9.372593e+18 2020-08-11     0     0    22     B     0
## 3680 9.376923e+18 2020-08-17     0     0     4     A     0
## 3681 9.377315e+18 2020-08-15     1   399    44     B    36
## 3682 9.380404e+18 2020-08-11     0     0    27     G     0
## 3683 9.382236e+18 2020-08-18     0     0    13     C     9
## 3684 9.397807e+18 2020-08-18     0     0     2     A    37
## 3685 9.404400e+18 2020-08-16     0     0    10     F     0
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## 3686 9.409323e+18 2020-08-11        0    0      1        A          0
## 3687 9.413320e+18 2020-08-18        0    0      3        A          0
## 3688 9.420476e+18 2020-08-12        0    0      3        A        108
## 3689 9.423404e+18 2020-08-11        0    0      4        A          0
## 3690 9.425383e+18 2020-08-11        0    0      8        D         54
## 3691 9.426955e+18 2020-08-19        0    0      5        C        118
## 3692 9.449628e+18 2020-08-14        0    0      2        A          0
## 3693 9.457596e+18 2020-08-15        0    0      3        A          0
## 3694 9.458520e+17 2020-08-14        0    0      2        A         65
## 3695 9.463702e+18 2020-08-18        0    0      9        B         33
## 3696 9.465902e+18 2020-08-16        0    0      6        A          0
## 3697 9.469189e+18 2020-08-19        0    0     22        A         51
## 3698 9.475900e+18 2020-08-15        0    0      1        E          0
## 3699 9.477403e+18 2020-08-10        0    0     63        A         45
## 3700 9.479994e+18 2020-08-20        0    0      6        C         81
## 3701 9.481846e+18 2020-08-10        0    0      2        A         17
## 3702 9.482343e+17 2020-08-19        0    0      9        A          9
## 3703 9.482407e+18 2020-08-10        0    0     10        C         93
## 3704 9.489021e+18 2020-08-16        0    0     26        B          0
## 3705 9.499207e+18 2020-08-19        0    0      5        A          0
## 3706 9.504249e+18 2020-08-20        0    0      8        A          0
## 3707 9.506859e+18 2020-08-20        0    0      7        B          0
## 3708 9.521641e+18 2020-08-16        0    0    104        A          0
## 3709 9.525519e+18 2020-08-15        0    0     14        C         12
## 3710 9.525882e+16 2020-08-15        0    0      1        A          0
## 3711 9.527693e+18 2020-08-10        0    0      1        A          0
## 3712 9.529070e+18 2020-08-17        0    0     10        C         81
## 3713 9.541527e+18 2020-08-18        0    0     15        C         71
## 3714 9.545666e+18 2020-08-20        0    0     46        C         81
## 3715 9.546814e+18 2020-08-18        0    0     12        C         61
## 3716 9.549216e+18 2020-08-18        0    0      5        A          0
## 3717 9.555946e+18 2020-08-19        0    0      2        D          0
## 3718 9.556788e+18 2020-08-16        0    0      1        E          0
## 3719 9.562962e+18 2020-08-19        0    0      5        A          0
## 3720 9.564457e+18 2020-08-20        0    0      3        C        208
## 3721 9.564987e+18 2020-08-14        0    0     25        A          0
## 3722 9.565658e+18 2020-08-20        0    0      7        A          0
## 3723 9.567176e+18 2020-08-17        0    0     22        F        102
## 3724 9.569770e+18 2020-08-12        0    0      4        C          0
## 3725 9.574675e+18 2020-08-13        0    0      3        B          0
## 3726 9.576185e+17 2020-08-19        0    0     24        F         32
## 3727 9.579115e+18 2020-08-10        0    0      2        A          0
## 3728 9.582277e+18 2020-08-11        0    0      2     <NA>          0
## 3729 9.587170e+18 2020-08-17        0    0     12        A         38
## 3730 9.587799e+18 2020-08-18        0    0      2        C        208
## 3731 9.590955e+18 2020-08-10        0    0     13        D          0
## 3732 9.593250e+17 2020-08-14        0    0     11        D         51
## 3733 9.595723e+18 2020-08-19        0    0      6        C          0
## 3734 9.595746e+18 2020-08-19        0    0     26        C         30
## 3735 9.596892e+18 2020-08-14        0    0      3        D         81
## 3736 9.597000e+18 2020-08-15        0    0      5        A         40
## 3737 9.597375e+17 2020-08-15        0    0      1        D          0
## 3738 9.598086e+18 2020-08-19        0    0      1        A         27
## 3739 9.599983e+18 2020-08-12        0    0      1        A         89
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## 3740 9.601087e+18 2020-08-20        0     0    2      A    50
## 3741 9.602144e+18 2020-08-14        0     0    1      A     0
## 3742 9.606558e+18 2020-08-14        0     0   67      C   208
## 3743 9.610989e+18 2020-08-17        0     0    2      A     0
## 3744 9.612954e+18 2020-08-12        1   599   31      B    39
## 3745 9.616354e+18 2020-08-14        0     0    2      A    62
## 3746 9.618390e+18 2020-08-19        0     0    3      A     0
## 3747 9.622055e+18 2020-08-18        0     0    4      A     0
## 3748 9.637029e+18 2020-08-15        0     0   41      B    36
## 3749 9.640799e+18 2020-08-17        0     0    9      C    10
## 3750 9.641066e+18 2020-08-10        0     0   13      A     0
## 3751 9.643632e+17 2020-08-13        1  2159    8      A     0
## 3752 9.643767e+18 2020-08-14        0     0   38      A     0
## 3753 9.646110e+17 2020-08-18        0     0    1      A    37
## 3754 9.653617e+18 2020-08-15        0     0   11      C    56
## 3755 9.668391e+18 2020-08-11        0     0    6      A    17
## 3756 9.680330e+18 2020-08-14        0     0    1      A     0
## 3757 9.683596e+18 2020-08-16        0     0    3      A     0
## 3758 9.684289e+18 2020-08-13        0     0   34   <NA>   131
## 3759 9.694004e+18 2020-08-19        1   399   27      B    62
## 3760 9.694881e+18 2020-08-13        0     0    3      A   141
## 3761 9.694919e+17 2020-08-15        0     0    6      A     0
## 3762 9.698097e+18 2020-08-17        0     0    7      A    29
## 3763 9.698588e+18 2020-08-17        0     0    1      A    53
## 3764 9.698794e+18 2020-08-13        0     0    5      A    62
## 3765 9.703503e+17 2020-08-10        0     0    2      A    65
## 3766 9.705368e+17 2020-08-10        0     0    8      C     0
## 3767 9.724310e+18 2020-08-15        0     0    7      A    12
## 3768 9.725507e+18 2020-08-20        0     0    4      A    50
## 3769 9.733975e+17 2020-08-15        0     0    3      C    81
## 3770 9.734359e+18 2020-08-20        0     0    8      D   151
## 3771 9.734715e+18 2020-08-13        0     0    6      A    16
## 3772 9.739745e+18 2020-08-10        0     0    5      E     0
## 3773 9.741392e+18 2020-08-10        0     0    1      A    17
## 3774 9.747345e+18 2020-08-12        0     0    8      A    43
## 3775 9.749018e+18 2020-08-16        0     0    3      D     0
## 3776 9.751373e+18 2020-08-19        0     0    3      D    32
## 3777 9.759551e+18 2020-08-18        0     0   12      B     0
## 3778 9.764724e+18 2020-08-11        0     0    1      A     0
## 3779 9.766839e+18 2020-08-18        0     0   14      F    33
## 3780 9.768571e+18 2020-08-16        0     0    1      D     0
## 3781 9.771508e+18 2020-08-19        0     0    3      D   132
## 3782 9.774974e+18 2020-08-15        0     0   50      A     0
## 3783 9.775236e+18 2020-08-19        0     0    8      C   208
## 3784 9.789319e+18 2020-08-14        0     0   44      F    51
## 3785 9.789934e+18 2020-08-14        0     0   12      A    15
## 3786 9.794741e+18 2020-08-17        0     0   51      A     0
## 3787 9.796148e+18 2020-08-10        0     0   10      C    41
## 3788 9.797702e+17 2020-08-11        0     0   36      A     0
## 3789 9.800749e+18 2020-08-14        0     0    5      A    13
## 3790 9.804677e+17 2020-08-17        0     0   19      B    62
## 3791 9.810002e+18 2020-08-18        0     0   10      A    52
## 3792 9.814040e+18 2020-08-18        0     0    2      B     0
## 3793 9.820122e+17 2020-08-15        0     0    1      A    65
```

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## 3794 9.841824e+18 2020-08-13            0     0     5        A        0
## 3795 9.844385e+18 2020-08-18            0     0     3        D      105
## 3796 9.844880e+18 2020-08-16            0     0     7        C       49
## 3797 9.849045e+18 2020-08-17            0     0     4        A      103
## 3798 9.851045e+18 2020-08-17            0     0     2        A       53
## 3799 9.856580e+17 2020-08-19            0     0    13        B       70
## 3800 9.859422e+18 2020-08-18            0     0     1        A        0
## 3801 9.860247e+18 2020-08-14            0     0     1        A       14
## 3802 9.861684e+18 2020-08-12            0     0     4        A       59
## 3803 9.869589e+18 2020-08-13            0     0     3        A        0
## 3804 9.879206e+18 2020-08-17            0     0     1        A        0
## 3805 9.884531e+18 2020-08-11            0     0    18        C       18
## 3806 9.893659e+18 2020-08-15            0     0     1        B        0
## 3807 9.898054e+18 2020-08-10            0     0     4        A       62
## 3808 9.898356e+18 2020-08-17            0     0    10        A        0
## 3809 9.898972e+18 2020-08-14            1   679     2        A        0
## 3810 9.901833e+18 2020-08-13            0     0    21        A        0
## 3811 9.902522e+18 2020-08-17            0     0     2        A        0
## 3812 9.903956e+18 2020-08-18            0     0     3        A       52
## 3813 9.910829e+18 2020-08-11            0     0     5        A      109
## 3814 9.911746e+18 2020-08-15            0     0     2        A        0
## 3815 9.918529e+17 2020-08-19            0     0     1        E        0
## 3816 9.922261e+18 2020-08-13            0     0     1        C       58
## 3817 9.925305e+18 2020-08-10            1   209    18        D      161
## 3818 9.929637e+18 2020-08-18            0     0    34        C       33
## 3819 9.932056e+18 2020-08-17            0     0     2        A       32
## 3820 9.934800e+18 2020-08-14            0     0    13        C        0
## 3821 9.937194e+18 2020-08-13            0     0     6        F        0
## 3822 9.938888e+18 2020-08-14            0     0     1        A       41
## 3823 9.941006e+18 2020-08-20            0     0    31        F       31
## 3824 9.944224e+18 2020-08-11            0     0     1        A       16
## 3825 9.949873e+18 2020-08-20            0     0     1        A       35
## 3826 9.952553e+18 2020-08-11            0     0     5        D       54
## 3827 9.957508e+18 2020-08-10            0     0     4        A      110
## 3828 9.962647e+18 2020-08-13            0     0     3        D       52
## 3829 9.963923e+18 2020-08-17            0     0     9        F        0
## 3830 9.967963e+18 2020-08-16            0     0     8        C       55
## 3831 9.969404e+18 2020-08-17            0     0     3        B      141
## 3832 9.973236e+18 2020-08-15            0     0     2     <NA>       31
## 3833 9.979839e+18 2020-08-13            0     0     5        A        0
## 3834 9.981237e+18 2020-08-10            0     0    27        C       41
## 3835 9.984243e+18 2020-08-12            0     0     2        A        0
## 3836 9.986856e+18 2020-08-17            0     0     6        A       72
## 3837 9.992661e+18 2020-08-14            0     0     5        A        0
## 3838 9.999647e+18 2020-08-17            0     0     3        B        0
```

merged_data

```
##            product       date purchases sales views category leadtime
## 1     1.001496e+19 2020-08-11         0     0     9        B        0
## 2     1.007131e+19 2020-08-15         0     0     3        A       13
## 3     1.009407e+19 2020-08-15         0     0    30        C        0
## 4     1.018505e+19 2020-08-14         0     0     1        A        0
## 5     1.033200e+19 2020-08-12         0     0     1        E        0
```

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## 6     1.037374e+19 2020-08-10        0    0     3    A    45
## 7     1.042241e+19 2020-08-14        0    0     8    A    15
## 8     1.043119e+19 2020-08-10        0    0     2    E     0
## 9     1.043279e+19 2020-08-12        0    0     3    D     0
## 10    1.050126e+19 2020-08-11        0    0    10    A    44
## 11    1.050848e+19 2020-08-15        0    0     5    D     0
## 12    1.064012e+19 2020-08-20        0    0    11    C     7
## 13    1.065184e+19 2020-08-14        0    0     1    E     0
## 14    1.065448e+19 2020-08-18        0    0     8    A    37
## 15    1.067274e+19 2020-08-12        0    0     2    D     0
## 16    1.072191e+19 2020-08-15        0    0     8    C     0
## 17    1.074350e+19 2020-08-14        0    0    15    A    13
## 18    1.074716e+19 2020-08-11        0    0     8    C    42
## 19    1.089763e+19 2020-08-14        0    0     1    D     0
## 20    1.108085e+19 2020-08-17        0    0     4    A    11
## 21    1.108878e+19 2020-08-10        0    0    49    B    81
## 22    1.118525e+19 2020-08-19        0    0     7    F     0
## 23    1.122460e+19 2020-08-15        0    0     2    A     0
## 24    1.125120e+19 2020-08-11        0    0     6    G   160
## 25    1.126054e+19 2020-08-20        1 1699    17    A     0
## 26    1.129345e+19 2020-08-15        0    0     1    B     0
## 27    1.131919e+19 2020-08-16        0    0     3    A    54
## 28    1.136773e+19 2020-08-19        0    0     1    A     9
## 29    1.140792e+19 2020-08-18        0    0    12    A     0
## 30    1.146044e+19 2020-08-17        0    0     2    A    10
## 31    1.147944e+19 2020-08-17        0    0     3    A     0
## 32    1.152645e+19 2020-08-15        0    0     1    D     0
## 33    1.157444e+19 2020-08-19        0    0     4    A   141
## 34    1.163561e+19 2020-08-13        0    0     6    A   141
## 35    1.163699e+19 2020-08-12        0    0    17    A    15
## 36    1.167079e+19 2020-08-18        0    0     6    A     0
## 37    1.168062e+19 2020-08-12        0    0     4    C    81
## 38    1.180276e+19 2020-08-12        0    0     3    A    15
## 39    1.183167e+19 2020-08-10        0    0    53    F    17
## 40    1.183467e+19 2020-08-19        0    0    45    A     0
## 41    1.184630e+19 2020-08-13        0    0     1    A    15
## 42    1.186865e+19 2020-08-16        0    0    26    A    12
## 43    1.188752e+19 2020-08-16        0    0     5    B     0
## 44    1.192222e+19 2020-08-11        0    0     8    C    42
## 45    1.192781e+19 2020-08-12        0    0     2    F     0
## 46    1.193522e+19 2020-08-20        0    0     1    A     7
## 47    1.201885e+19 2020-08-19        0    0     1    D    30
## 48    1.203017e+19 2020-08-15        0    0    20    A    65
## 49    1.204003e+19 2020-08-16        0    0     4    B    55
## 50    1.204814e+19 2020-08-16        0    0     1    A     0
## 51    1.206880e+19 2020-08-18        1  599    22    B     0
## 52    1.208259e+19 2020-08-14        0    0    46    A    41
## 53    1.210138e+19 2020-08-17        0    0    13    A     0
## 54    1.211708e+19 2020-08-19        0    0     1    B    32
## 55    1.214690e+19 2020-08-14        0    0     3    C    62
## 56    1.216011e+19 2020-08-16        0    0     3    A    54
## 57    1.233652e+19 2020-08-14        0    0    31    B    37
## 58    1.234798e+19 2020-08-20        1  149     2    B     0
## 59    1.235754e+19 2020-08-14        0    0    27    F    37
```

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## 60   1.239653e+19 2020-08-17      0     0    1    A      38
## 61   1.243682e+19 2020-08-10      0     0   10    C       0
## 62   1.250547e+19 2020-08-13      0     0    3    A       0
## 63   1.252077e+19 2020-08-18      0     0    2    D      71
## 64   1.254919e+19 2020-08-18      0     0   43    B       0
## 65   1.259651e+19 2020-08-16      0     0    2    A     130
## 66   1.266993e+19 2020-08-16      0     0    2    A       0
## 67   1.269503e+19 2020-08-11      0     0    1    D      99
## 68   1.279337e+19 2020-08-14      0     0   89    C       0
## 69   1.279565e+19 2020-08-20      0     0    4    B      69
## 70   1.281333e+19 2020-08-11      0     0    3    A     109
## 71   1.282363e+19 2020-08-12      0     0   12    C       0
## 72   1.292501e+18 2020-08-11      0     0    1    A      90
## 73   1.296793e+19 2020-08-12      0     0    1    A       0
## 74   1.300346e+19 2020-08-19      0     0    4    A      36
## 75   1.312213e+19 2020-08-12      0     0    9    F      84
## 76   1.316945e+19 2020-08-11      0     0   14    B      40
## 77   1.317058e+19 2020-08-17      0     0    7    A      32
## 78   1.325441e+19 2020-08-12      0     0    1    A     108
## 79   1.344085e+19 2020-08-19      0     0   28    A       0
## 80   1.347750e+19 2020-08-17      0     0    6    D       0
## 81   1.348651e+19 2020-08-13      0     0    6    C     124
## 82   1.350887e+19 2020-08-13      0     0    1    A       0
## 83   1.351190e+19 2020-08-14      0     0    3    D      65
## 84   1.355119e+19 2020-08-14      0     0    3    G      37
## 85   1.357385e+19 2020-08-11      0     0    1    A      90
## 86   1.369969e+19 2020-08-17      0     0    5    C      10
## 87   1.371079e+19 2020-08-16      0     0    1    A      30
## 88   1.377121e+19 2020-08-19      1   169    4    B      32
## 89   1.381495e+19 2020-08-10      0     0   15    F      86
## 90   1.388232e+19 2020-08-11      0     0    3    A      18
## 91   1.389672e+19 2020-08-11      0     0    1    D      42
## 92   1.393479e+19 2020-08-18      0     0    3    G      71
## 93   1.404919e+19 2020-08-13      0     0    1    A       0
## 94   1.405332e+19 2020-08-15      0     0   38 <NA>     129
## 95   1.417043e+19 2020-08-13      0     0   10    F      14
## 96   1.418931e+19 2020-08-19      0     0    4    B      70
## 97   1.420919e+19 2020-08-10      1   249    7    D      41
## 98   1.421679e+19 2020-08-12      0     0    2    A      87
## 99   1.426715e+19 2020-08-13      0     0    3    A      42
## 100  1.431126e+19 2020-08-17      0     0   24    F     103
## 101  1.435548e+19 2020-08-16      0     0   12    A      54
## 102  1.435767e+19 2020-08-15      0     0    1    A      12
## 103  1.449765e+19 2020-08-11      0     0   53    C     208
## 104  1.464662e+19 2020-08-18      0     0    9    F       0
## 105  1.479523e+19 2020-08-20      0     0    3    C       7
## 106  1.484235e+19 2020-08-15      0     0    4    F       0
## 107  1.491418e+19 2020-08-12      0     0    1    A       0
## 108  1.495264e+19 2020-08-16      0     0   21    A      39
## 109  1.496373e+19 2020-08-17      0     0    6    C     120
## 110  1.497005e+19 2020-08-14      0     0   80    A       0
## 111  1.500946e+19 2020-08-17      0     0    6    A      38
## 112  1.503663e+19 2020-08-18      0     0    3    F      81
## 113  1.505711e+19 2020-08-13      0     0    1    A       0
```

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## 114 1.509436e+19 2020-08-10         0       0     1        D        0
## 115 1.516850e+19 2020-08-14         0       0     8        A        0
## 116 1.517497e+19 2020-08-14         0       0     6        A        0
## 117 1.523909e+19 2020-08-17         0       0     5        A        0
## 118 1.526688e+18 2020-08-18         0       0    14     <NA>        0
## 119 1.533906e+19 2020-08-12         0       0     2        A       43
## 120 1.534786e+19 2020-08-18         0       0     4        A      141
## 121 1.549408e+19 2020-08-11         0       0     7        C       40
## 122 1.549572e+19 2020-08-18         0       0     7        A        0
## 123 1.550091e+19 2020-08-14         0       0    10        A        0
## 124 1.551890e+19 2020-08-20         0       0     5        C       69
## 125 1.552926e+19 2020-08-20         0       0     1        A       50
## 126 1.557873e+19 2020-08-16         0       0     2        D        0
## 127 1.577063e+19 2020-08-18         0       0     1        A       37
## 128 1.586302e+19 2020-08-20         0       0     9        A        0
## 129 1.588718e+19 2020-08-17         0       0     2        A       53
## 130 1.589532e+19 2020-08-17         0       0    79        C      208
## 131 1.591672e+19 2020-08-12         0       0     3        C        0
## 132 1.600647e+19 2020-08-19         0       0    10        A        0
## 133 1.603321e+19 2020-08-12         0       0    11        A        0
## 134 1.607473e+19 2020-08-18         0       0     2        D       31
## 135 1.608307e+19 2020-08-19         0       0    12        A       30
## 136 1.610829e+19 2020-08-13         0       0    17        C       58
## 137 1.613725e+19 2020-08-17         0       0     9        C       62
## 138 1.614084e+19 2020-08-13         0       0     2        D        0
## 139 1.616808e+19 2020-08-18         0       0     2        A        0
## 140 1.628041e+19 2020-08-17         0       0     1        A        0
## 141 1.628622e+19 2020-08-18         0       0     2        A       71
## 142 1.632645e+19 2020-08-19         0       0     4        A      100
## 143 1.647584e+19 2020-08-10         0       0    12        F      110
## 144 1.652978e+19 2020-08-15         0       0    46        A        0
## 145 1.668063e+19 2020-08-16         0       0    10        A        0
## 146 1.680589e+19 2020-08-10         0       0    23        A       17
## 147 1.681808e+19 2020-08-16         0       0     1        A        0
## 148 1.694520e+19 2020-08-16         0       0     6        A       39
## 149 1.701602e+19 2020-08-10         0       0    12        C       81
## 150 1.703879e+19 2020-08-19         0       0     2        A        0
## 151 1.706127e+19 2020-08-12         0       0     2        A        0
## 152 1.712232e+19 2020-08-12         0       0     4        B       59
## 153 1.712314e+19 2020-08-20         0       0     2     <NA>        0
## 154 1.714544e+19 2020-08-14         0       0     6        A      106
## 155 1.716121e+19 2020-08-12         0       0     4        A        0
## 156 1.719180e+19 2020-08-15         0       0     1        F        0
## 157 1.724413e+19 2020-08-17         0       0     4        D       83
## 158 1.727012e+19 2020-08-15         0       0     1        A        0
## 159 1.727758e+19 2020-08-13         0       0     5        A      107
## 160 1.729523e+19 2020-08-19         0       0     5        A        0
## 161 1.732256e+19 2020-08-15         0       0     7        B       74
## 162 1.734212e+19 2020-08-18         0       0     8        A       31
## 163 1.734961e+19 2020-08-18         0       0    22        C       33
## 164 1.736917e+19 2020-08-11         1     399    32        B        0
## 165 1.737240e+19 2020-08-12         0       0     2        F       17
## 166 1.750503e+19 2020-08-13         0       0     1        A        0
## 167 1.755093e+19 2020-08-16         0       0     4        A        0
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## 168  1.758254e+19 2020-08-17           0    0    5    G    154
## 169  1.758472e+18 2020-08-18           0    0   22    D      0
## 170  1.758835e+19 2020-08-20           0    0   15    G     69
## 171  1.766062e+19 2020-08-17           0    0    2    E     91
## 172  1.771047e+19 2020-08-17           0    0    2    A      0
## 173  1.775916e+19 2020-08-11           0    0    9    A      0
## 174  1.779837e+19 2020-08-12           0    0    6    G      0
## 175  1.780126e+19 2020-08-19           0    0   19    A      9
## 176  1.785774e+19 2020-08-20           0    0    1    D      0
## 177  1.803955e+19 2020-08-10           0    0   28    A      0
## 178  1.804984e+19 2020-08-13           0    0    6    A     86
## 179  1.810688e+19 2020-08-12           0    0   25    C      0
## 180  1.813907e+19 2020-08-19           0    0    4  <NA>     0
## 181  1.814952e+19 2020-08-14           0    0    4    A     13
## 182  1.817920e+19 2020-08-18           0    0    3    A     31
## 183  1.818516e+19 2020-08-16           0    0    3    A     39
## 184  1.825441e+19 2020-08-19           0    0   17    C      0
## 185  1.831259e+19 2020-08-15           0    0    7    F     81
## 186  1.832940e+19 2020-08-10           0    0   31    A     45
## 187  1.833019e+19 2020-08-10           0    0   39    G     41
## 188  1.839781e+19 2020-08-20           0    0    2    D     80
## 189  1.001081e+19 2020-08-10           0    0    4    G     81
## 190  1.001601e+19 2020-08-11           0    0   15    C     40
## 191  1.001713e+19 2020-08-19           0    0    3    A      0
## 192  1.002486e+19 2020-08-18           0    0    4    C     71
## 193  1.003008e+18 2020-08-20           0    0    1    D      8
## 194  1.003122e+19 2020-08-13           0    0    1    A    106
## 195  1.004202e+19 2020-08-12           0    0    2    A      0
## 196  1.004280e+18 2020-08-14           0    0    6    C      0
## 197  1.004465e+19 2020-08-16           0    0    2    G     49
## 198  1.004516e+19 2020-08-15           0    0   11  <NA>    10
## 199  1.004921e+19 2020-08-14           0    0   28    B      0
## 200  1.005319e+19 2020-08-10           0    0   30    A      0
## 201  1.005872e+18 2020-08-12           0    0    7    A      0
## 202  1.005955e+19 2020-08-16           0    0    3    B      0
## 203  1.006249e+18 2020-08-14           0    0    1    A      0
## 204  1.007165e+17 2020-08-19           0    0    4    D      0
## 205  1.009207e+19 2020-08-15           0    0    1    A     40
## 206  1.009982e+19 2020-08-10           0    0    2    A      0
## 207  1.010711e+19 2020-08-16           0    0    3    A      0
## 208  1.010935e+19 2020-08-20           0    0   10    A      0
## 209  1.011329e+19 2020-08-12           0    0    4    A      0
## 210  1.011909e+19 2020-08-13           0    0   10    C     38
## 211  1.012045e+18 2020-08-11           0    0    2    B      0
## 212  1.012287e+19 2020-08-16           0    0   11    D     35
## 213  1.012948e+19 2020-08-20           0    0   97    A      0
## 214  1.013075e+19 2020-08-17           0    0    7    A    141
## 215  1.013240e+19 2020-08-16           0    0    5    A     39
## 216  1.013345e+19 2020-08-12           0    0   40    A     15
## 217  1.013576e+19 2020-08-20           0    0    1    D      0
## 218  1.013739e+19 2020-08-13           0    0    4    A     14
## 219  1.014826e+19 2020-08-15           0    0  172    C      0
## 220  1.014903e+19 2020-08-16           0    0    1    F      0
## 221  1.015857e+19 2020-08-11           0    0    1    B      0
```

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## 222  1.016060e+18 2020-08-16    0     0    18    B      0
## 223  1.016226e+19 2020-08-19    0     0     1    G     70
## 224  1.016465e+19 2020-08-13    0     0     8    C     62
## 225  1.016638e+19 2020-08-15    0     0     2    A      0
## 226  1.016648e+19 2020-08-13    0     0    20    A     42
## 227  1.017929e+19 2020-08-10    0     0     4    D     85
## 228  1.018059e+19 2020-08-16    0     0    11    C     35
## 229  1.018948e+16 2020-08-14    0     0     1    A    141
## 230  1.019323e+19 2020-08-14    0     0     5    G     51
## 231  1.019489e+19 2020-08-12    0     0     3    A      0
## 232  1.019938e+19 2020-08-18    0     0    44    A     37
## 233  1.019952e+19 2020-08-11    0     0     2    A      0
## 234  1.021440e+19 2020-08-10    0     0     7    B    141
## 235  1.021842e+19 2020-08-16    0     0     8    A      0
## 236  1.021971e+19 2020-08-10    0     0     1    A      0
## 237  1.023396e+19 2020-08-12    0     0     5    A      0
## 238  1.024183e+19 2020-08-14    0     0     8    A     62
## 239  1.024257e+19 2020-08-10    0     0     3    A      0
## 240  1.024352e+19 2020-08-16    0     0     4    D      0
## 241  1.025069e+18 2020-08-13    0     0     5    C     58
## 242  1.025304e+19 2020-08-12    0     0     6    C     15
## 243  1.025609e+19 2020-08-14    0     0     1    A    141
## 244  1.025639e+19 2020-08-14    0     0     3    D     95
## 245  1.025933e+19 2020-08-20    0     0     6    C     69
## 246  1.026046e+19 2020-08-15    0     0     3    A      0
## 247  1.026632e+19 2020-08-20    0     0    51    A      0
## 248  1.027546e+18 2020-08-14    0     0     1    A      0
## 249  1.027794e+19 2020-08-20    0     0     1    A     50
## 250  1.029271e+19 2020-08-16    0     0     6    G     49
## 251  1.029418e+19 2020-08-20    0     0     4    B     69
## 252  1.029725e+19 2020-08-13    0     0     9    A     14
## 253  1.031331e+19 2020-08-20    1   399    42    B      0
## 254  1.031436e+19 2020-08-18    0     0     2    A     10
## 255  1.031445e+19 2020-08-19    0     0     1    A      9
## 256  1.031982e+19 2020-08-16    0     0    11    B     49
## 257  1.033131e+19 2020-08-19    0     0     2    A      0
## 258  1.033334e+19 2020-08-16    0     0     4    A     30
## 259  1.033379e+19 2020-08-16    0     0     1    A     39
## 260  1.033498e+19 2020-08-17    0     0     1    A      0
## 261  1.033775e+19 2020-08-13    0     0     1    A     42
## 262  1.034374e+19 2020-08-16    0     0     1    A     54
## 263  1.035264e+19 2020-08-18    0     0     1    A      0
## 264  1.036330e+19 2020-08-14    0     0    35    A      0
## 265  1.036386e+19 2020-08-16    0     0     3    B      0
## 266  1.036406e+19 2020-08-18    0     0     1    A    141
## 267  1.036547e+19 2020-08-18    0     0     1    A      9
## 268  1.036935e+19 2020-08-11    0     0     1    A      0
## 269  1.037266e+19 2020-08-14    0     0    15    D      0
## 270  1.037341e+19 2020-08-13    0     0    12    A      0
## 271  1.037950e+19 2020-08-20    0     0    21    A     35
## 272  1.038355e+19 2020-08-13    0     0     4    D     96
## 273  1.039354e+19 2020-08-17    0     0     3    G    106
## 274  1.039438e+19 2020-08-13    0     0     6    A    141
## 275  1.039541e+19 2020-08-16    0     0    39    B     35
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## 276  1.040247e+19 2020-08-17      0      0     14     G     48
## 277  1.040705e+19 2020-08-18      0      0      5     C      0
## 278  1.041032e+19 2020-08-19      1    739    108     C      0
## 279  1.041600e+19 2020-08-19      0      0      1     A      0
## 280  1.041695e+18 2020-08-14      0      0      4     A     85
## 281  1.042327e+19 2020-08-13      0      0      4     C      0
## 282  1.042461e+19 2020-08-15      0      0      2     G     36
## 283  1.042768e+19 2020-08-10      0      0     47     A      0
## 284  1.042828e+19 2020-08-11      0      0      4     A    141
## 285  1.043305e+19 2020-08-13      0      0      4     A     65
## 286  1.043769e+19 2020-08-13      0      0      9     F      0
## 287  1.044483e+19 2020-08-15      0      0     27     B      0
## 288  1.044614e+18 2020-08-20      0      0      8     C      0
## 289  1.044680e+19 2020-08-10      0      0      4     A     17
## 290  1.045393e+18 2020-08-13      0      0      2     A      0
## 291  1.045530e+19 2020-08-10      0      0     37     A      0
## 292  1.045762e+19 2020-08-12      0      0     40     A      0
## 293  1.045868e+19 2020-08-11      0      0      1     A      0
## 294  1.046605e+19 2020-08-11      0      0      1     A      0
## 295  1.046846e+19 2020-08-20      0      0      4     D      0
## 296  1.047360e+19 2020-08-11      0      0      1     G     54
## 297  1.047807e+18 2020-08-11      1   3549      6     A      0
## 298  1.047852e+19 2020-08-19      0      0      7     A     51
## 299  1.047984e+19 2020-08-15      0      0      5     A    141
## 300  1.048022e+19 2020-08-14      0      0      1     A      0
## 301  1.048099e+19 2020-08-12      0      0      4     A      0
## 302  1.048623e+19 2020-08-20      0      0      2     D    131
## 303  1.048745e+19 2020-08-13      0      0     10     C      0
## 304  1.049204e+19 2020-08-16      0      0      2     A     12
## 305  1.049697e+19 2020-08-13      0      0     18     B     52
## 306  1.049947e+19 2020-08-19      0      0      5     A      0
## 307  1.050665e+19 2020-08-13      1    299      0     A      0
## 308  1.050779e+19 2020-08-11      0      0     22     A     17
## 309  1.051106e+19 2020-08-12      0      0     12     A      0
## 310  1.051232e+19 2020-08-12      0      0     23     A     91
## 311  1.051329e+19 2020-08-10      0      0      3     A      0
## 312  1.052009e+19 2020-08-11      0      0      4     A      0
## 313  1.052325e+19 2020-08-12      0      0      8     A      0
## 314  1.052922e+19 2020-08-14      0      0      5     C     57
## 315  1.053942e+19 2020-08-18      0      0      6     B     71
## 316  1.054139e+19 2020-08-10      0      0      5     B     41
## 317  1.054457e+19 2020-08-10      0      0      8     D     41
## 318  1.054497e+19 2020-08-20      0      0      7     A     50
## 319  1.055418e+19 2020-08-14      0      0      8     G    157
## 320  1.055465e+19 2020-08-10      0      0      1     F      0
## 321  1.055613e+19 2020-08-19      0      0     20     C    166
## 322  1.056307e+18 2020-08-14      0      0      5     B      0
## 323  1.056319e+19 2020-08-18      0      0      1     A     52
## 324  1.056985e+19 2020-08-16      0      0      1     A      0
## 325  1.058063e+19 2020-08-13      0      0      2     A      0
## 326  1.058184e+19 2020-08-13      0      0      7     C      0
## 327  1.058249e+19 2020-08-14      0      0      4     C     57
## 328  1.058779e+19 2020-08-13      0      0     10     C     16
## 329  1.059410e+19 2020-08-20      0      0      1     A      7
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## 330  1.059425e+19 2020-08-20        0        0       20        D        0
## 331  1.059457e+19 2020-08-13        0        0        1        A       14
## 332  1.059505e+19 2020-08-19        0        0        9        C       81
## 333  1.059926e+19 2020-08-18        0        0        2        E        0
## 334  1.060605e+19 2020-08-14        0        0        9        A        0
## 335  1.060815e+19 2020-08-16        0        0        5        A       54
## 336  1.061532e+19 2020-08-10        0        0       23        B        5
## 337  1.061661e+19 2020-08-13        0        0        1        A       52
## 338  1.062030e+19 2020-08-15        0        0        6        F        0
## 339  1.062140e+19 2020-08-19        0        0        1        A       27
## 340  1.062365e+19 2020-08-20        0        0       13        A        0
## 341  1.062585e+18 2020-08-17        0        0        1        A        0
## 342  1.062984e+19 2020-08-15        0        0        1        F       84
## 343  1.063516e+19 2020-08-11        0        0        6        C        0
## 344  1.063991e+19 2020-08-18        0        0        6        A        0
## 345  1.064497e+19 2020-08-14        0        0        2        A       41
## 346  1.065440e+19 2020-08-12        0        0       44     <NA>      132
## 347  1.065445e+19 2020-08-18        0        0        9     <NA>        0
## 348  1.065625e+19 2020-08-11        0        0        1     <NA>       16
## 349  1.065757e+19 2020-08-14        0        0        1        A       41
## 350  1.066502e+19 2020-08-19        0        0       15        C       81
## 351  1.066790e+19 2020-08-18        0        0        3        A       31
## 352  1.067666e+18 2020-08-18        0        0       10        C       33
## 353  1.067911e+18 2020-08-11        0        0        2        E        0
## 354  1.068063e+19 2020-08-15        0        0       14        F      105
## 355  1.068162e+19 2020-08-20        0        0        2        A       35
## 356  1.068220e+19 2020-08-13        0        0       12        A        0
## 357  1.069343e+19 2020-08-19        0        0        8        A       36
## 358  1.069543e+19 2020-08-10        1      259        2        A       45
## 359  1.069779e+19 2020-08-13        0        0        8        A        0
## 360  1.070489e+19 2020-08-13        0        0        3        A      141
## 361  1.070996e+19 2020-08-15        0        0       16        D       50
## 362  1.071301e+18 2020-08-18        0        0        7        A       37
## 363  1.071329e+19 2020-08-13        0        0        3        C        0
## 364  1.072628e+19 2020-08-10        0        0       38        B        0
## 365  1.072754e+19 2020-08-11        0        0       25        A        0
## 366  1.073125e+19 2020-08-11        0        0        8        C       42
## 367  1.073407e+19 2020-08-15        0        0        6        D       13
## 368  1.074816e+19 2020-08-11        0        0        2        A        0
## 369  1.075802e+19 2020-08-13        0        0        9        A        0
## 370  1.077426e+19 2020-08-16        0        0        4        D       49
## 371  1.077918e+19 2020-08-15        0        0        2        G       50
## 372  1.078012e+19 2020-08-20        0        0        1        A       50
## 373  1.078623e+19 2020-08-13        0        0       25        F       38
## 374  1.078688e+18 2020-08-12        1      679       23        C        0
## 375  1.078949e+19 2020-08-11        0        0       13        A        0
## 376  1.079024e+19 2020-08-12        0        0        1        A        0
## 377  1.079071e+19 2020-08-18        0        0        4        B        0
## 378  1.079210e+18 2020-08-15        0        0       15        F        0
## 379  1.079219e+19 2020-08-16        0        0       36        A        0
## 380  1.080234e+19 2020-08-20        0        0       37        B       69
## 381  1.080479e+19 2020-08-12        0        0       35        C        0
## 382  1.080721e+19 2020-08-20        0        0        8        A        0
## 383  1.080795e+19 2020-08-10        0        0        1        F       69
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## 384 1.081495e+19 2020-08-17      0      0      3        A     53
## 385 1.081625e+19 2020-08-18      0      0     12        A      0
## 386 1.083913e+19 2020-08-13      0      0      1        A     88
## 387 1.084272e+19 2020-08-16      0      0     10        D     49
## 388 1.084463e+19 2020-08-19      0      0      6        F      0
## 389 1.085255e+19 2020-08-18      0      0      2        A     37
## 390 1.085485e+19 2020-08-13      0      0      1        A     14
## 391 1.085836e+19 2020-08-20      0      0      2        D      0
## 392 1.086073e+19 2020-08-18      0      0      3        A     31
## 393 1.086840e+18 2020-08-19      0      0      1        A     27
## 394 1.087986e+19 2020-08-19      0      0      1        F     27
## 395 1.088348e+19 2020-08-13      0      0      2        A      0
## 396 1.088766e+19 2020-08-12      0      0      1        F     53
## 397 1.088843e+19 2020-08-17      0      0      1        E      0
## 398 1.088908e+19 2020-08-20      1   1119     44        A      0
## 399 1.088924e+19 2020-08-16      0      0      2        C     55
## 400 1.089836e+19 2020-08-17      0      0      5        D     32
## 401 1.091452e+19 2020-08-17      0      0     10        C     72
## 402 1.091536e+19 2020-08-10      0      0      2        F      0
## 403 1.093423e+19 2020-08-11      1   1599     13        A    141
## 404 1.094211e+19 2020-08-19      0      0      1        A      0
## 405 1.094262e+19 2020-08-15      0      0      1        A      0
## 406 1.095647e+19 2020-08-20      0      0      2        G    208
## 407 1.095972e+19 2020-08-12      0      0      6     <NA>      0
## 408 1.096752e+18 2020-08-16      0      0      2        A    104
## 409 1.096980e+19 2020-08-15      0      0     26        C     36
## 410 1.097588e+19 2020-08-15      0      0      7        C     50
## 411 1.097718e+18 2020-08-15      0      0      7        E     13
## 412 1.097800e+19 2020-08-18      0      0     20        A      9
## 413 1.097818e+19 2020-08-18      0      0      4        D    133
## 414 1.097918e+19 2020-08-17      0      0      3        A     53
## 415 1.098120e+19 2020-08-18      0      0      5        A      0
## 416 1.098362e+19 2020-08-16      0      0     16        C     11
## 417 1.098404e+19 2020-08-12      0      0     18        A     87
## 418 1.098489e+19 2020-08-13      0      0     14        C     38
## 419 1.098794e+19 2020-08-15      0      0      1        A     13
## 420 1.099615e+19 2020-08-20      0      0     10        B      0
## 421 1.099812e+19 2020-08-20      0      0      5        D      0
## 422 1.100118e+18 2020-08-16      0      0     14        C     55
## 423 1.100154e+19 2020-08-17      0      0      1        A     53
## 424 1.100985e+19 2020-08-10      0      0      6        A     65
## 425 1.101243e+19 2020-08-10      0      0      1        A      0
## 426 1.101624e+19 2020-08-19      0      0      3        A     30
## 427 1.101735e+19 2020-08-13      0      0      3        B     38
## 428 1.102369e+19 2020-08-17      0      0      5        B      0
## 429 1.102455e+19 2020-08-19      1    649     51        C    208
## 430 1.102898e+18 2020-08-13      0      0      1        B      0
## 431 1.103099e+18 2020-08-13      0      0      1     <NA>      0
## 432 1.103866e+19 2020-08-11      0      0      2        A    141
## 433 1.103871e+19 2020-08-10      0      0      4        A     45
## 434 1.104020e+19 2020-08-10      0      0      3        A      0
## 435 1.104199e+19 2020-08-12      0      0      1        A      0
## 436 1.105540e+19 2020-08-19      0      0      1        C      0
## 437 1.106255e+19 2020-08-14      0      0      1        A      0
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## 438 1.106330e+19 2020-08-12        0    0    4      A      0
## 439 1.106573e+19 2020-08-12        0    0    6      A      0
## 440 1.106577e+19 2020-08-12        0    0    1      A    107
## 441 1.106742e+19 2020-08-14        0    0    1      E    132
## 442 1.107980e+19 2020-08-19        0    0    1      A     30
## 443 1.108024e+19 2020-08-14        0    0   31      A      0
## 444 1.108470e+19 2020-08-14        0    0   52      B     37
## 445 1.108985e+18 2020-08-16        0    0   31   <NA>    128
## 446 1.109427e+19 2020-08-10        0    0    3      D      0
## 447 1.109674e+19 2020-08-12        0    0   10      F     43
## 448 1.109713e+19 2020-08-17        0    0    2      G     48
## 449 1.111059e+18 2020-08-19        0    0    1      A    141
## 450 1.111065e+19 2020-08-19        0    0   11      C     81
## 451 1.111128e+19 2020-08-13        0    0    5      B     76
## 452 1.111525e+19 2020-08-14        0    0    7   <NA>      2
## 453 1.111734e+18 2020-08-15        0    0    3      A      0
## 454 1.111765e+19 2020-08-14        0    0    6      B      0
## 455 1.112423e+19 2020-08-15        0    0   13      C     56
## 456 1.112698e+19 2020-08-20        0    0    7      B     31
## 457 1.112879e+19 2020-08-12        0    0    2      A      0
## 458 1.112946e+19 2020-08-12        0    0    1      A     89
## 459 1.113250e+19 2020-08-15        0    0    4      A      0
## 460 1.113575e+19 2020-08-16        0    0    1      A     12
## 461 1.116037e+19 2020-08-16        0    0    4      C      0
## 462 1.116154e+19 2020-08-19        0    0    6      A      0
## 463 1.116654e+19 2020-08-11        0    0   12      A      0
## 464 1.117033e+19 2020-08-11        0    0   12      D     40
## 465 1.118019e+19 2020-08-10        0    0   12      C      0
## 466 1.118073e+19 2020-08-11        0    0    7      F     44
## 467 1.118510e+19 2020-08-19        0    0   36      A      0
## 468 1.118545e+19 2020-08-10        0    0   50   <NA>     99
## 469 1.119149e+19 2020-08-10        0    0    8      C      0
## 470 1.119888e+19 2020-08-13        0    0   11      F      0
## 471 1.120241e+19 2020-08-12        0    0   15      A      0
## 472 1.124013e+19 2020-08-14        0    0    2      D    137
## 473 1.124429e+19 2020-08-17        0    0    1      A      0
## 474 1.124479e+19 2020-08-13        0    0    5      A     42
## 475 1.124875e+18 2020-08-14        0    0    2      A      0
## 476 1.125600e+18 2020-08-20        0    0    5   <NA>     26
## 477 1.126703e+19 2020-08-12        0    0    3      G    208
## 478 1.126866e+17 2020-08-10        0    0    3      D      0
## 479 1.127471e+19 2020-08-11        1  219    8      E      0
## 480 1.128529e+18 2020-08-10        0    0    2      F     17
## 481 1.129020e+19 2020-08-17        0    0   32      C      0
## 482 1.129328e+19 2020-08-20        0    0    1      A     50
## 483 1.130339e+19 2020-08-18        0    0   24      B     71
## 484 1.130901e+19 2020-08-11        0    0   11      A      0
## 485 1.130926e+19 2020-08-15        0    0    3      B      0
## 486 1.131830e+19 2020-08-16        0    0   63      A      0
## 487 1.132197e+18 2020-08-19        0    0    5      A      0
## 488 1.132974e+19 2020-08-15        0    0    4      A     40
## 489 1.133262e+19 2020-08-16        0    0   58      A     12
## 490 1.133900e+19 2020-08-18        0    0    2      D      0
## 491 1.134042e+19 2020-08-20        0    0    1      G    223
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## 492 1.134686e+19 2020-08-13        0     0     2        A        0
## 493 1.134873e+18 2020-08-19        0     0     1        A        8
## 494 1.135077e+19 2020-08-12        0     0     8        A      108
## 495 1.135112e+19 2020-08-16        0     0     1        A       11
## 496 1.135331e+19 2020-08-15        0     0     4        C       12
## 497 1.135824e+19 2020-08-10        0     0     2        G       65
## 498 1.136142e+19 2020-08-20        1  1499    49        A       50
## 499 1.136275e+19 2020-08-15        0     0    11        A       40
## 500 1.137603e+19 2020-08-13        0     0     4        F       83
## 501 1.137699e+19 2020-08-20        0     0     8        F       29
## 502 1.138664e+18 2020-08-19        0     0    14        A        0
## 503 1.139176e+19 2020-08-10        0     0    28        C        0
## 504 1.140012e+19 2020-08-14        0     0    80        A       14
## 505 1.140214e+19 2020-08-12        0     0     4        B      141
## 506 1.140660e+19 2020-08-16        0     0     2        A       39
## 507 1.140727e+19 2020-08-14        0     0    10        A        0
## 508 1.140975e+19 2020-08-11        0     0     5        A      141
## 509 1.141157e+19 2020-08-20        0     0     2        A        0
## 510 1.141637e+19 2020-08-15        0     0    35        B        0
## 511 1.141747e+19 2020-08-12        0     0    49        B       39
## 512 1.142372e+19 2020-08-12        0     0    18        D        0
## 513 1.142542e+19 2020-08-20        0     0     4        B        0
## 514 1.143217e+19 2020-08-14        0     0     7        A       41
## 515 1.143839e+19 2020-08-17        0     0     2        G        0
## 516 1.144552e+19 2020-08-15        0     0     3        C       56
## 517 1.145655e+19 2020-08-12        0     0    15        C      125
## 518 1.146255e+19 2020-08-10        0     0     2        A        0
## 519 1.147049e+19 2020-08-12        0     0    28        A        0
## 520 1.147093e+19 2020-08-11        0     0     1        A       44
## 521 1.148266e+18 2020-08-13        0     0     2        A       62
## 522 1.148689e+19 2020-08-15        0     0     1        D       40
## 523 1.149133e+18 2020-08-19        0     0     2        D        0
## 524 1.150370e+19 2020-08-20        0     0     1        A        0
## 525 1.150885e+18 2020-08-16        0     0     7        A        0
## 526 1.151640e+19 2020-08-11        0     0     6        A        0
## 527 1.152452e+19 2020-08-18        0     0     3        A        0
## 528 1.152498e+19 2020-08-17        0     0     1        A       38
## 529 1.153103e+19 2020-08-13        0     0     3        F       86
## 530 1.153435e+19 2020-08-18        0     0    19        B        0
## 531 1.153584e+19 2020-08-12        0     0    17     <NA>        0
## 532 1.154187e+19 2020-08-17        0     0     4        B       72
## 533 1.154218e+19 2020-08-20        0     0    18        D       31
## 534 1.154274e+19 2020-08-13        0     0     3        A        0
## 535 1.154982e+19 2020-08-18        0     0     2        A       52
## 536 1.155165e+19 2020-08-12        0     0    24        G       53
## 537 1.155566e+19 2020-08-15        0     0     4        A        0
## 538 1.155870e+19 2020-08-18        0     0    36        A        0
## 539 1.156060e+19 2020-08-11        0     0    24        B        0
## 540 1.156622e+19 2020-08-12        0     0    18        A       15
## 541 1.156657e+19 2020-08-16        0     0     1        A        0
## 542 1.157100e+19 2020-08-16        0     0     6        G       49
## 543 1.157439e+19 2020-08-20        0     0     4        G      151
## 544 1.158290e+18 2020-08-18        0     0     2        A        0
## 545 1.159905e+19 2020-08-10        0     0    12        A        0
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## 546  1.160376e+19 2020-08-16       0      0      8     A        0
## 547  1.163807e+19 2020-08-10       0      0      1     A        0
## 548  1.164829e+19 2020-08-19       0      0     41     A        0
## 549  1.164913e+19 2020-08-18       0      0      2     A        0
## 550  1.165130e+19 2020-08-14       0      0     18     A        0
## 551  1.165172e+19 2020-08-10       0      0     12     A       70
## 552  1.165500e+19 2020-08-10       0      0      9     A        0
## 553  1.165887e+18 2020-08-20       0      0      4     A      141
## 554  1.166039e+19 2020-08-13       0      0      5     C        0
## 555  1.166284e+18 2020-08-18       0      0      4     A        0
## 556  1.166351e+19 2020-08-12       0      0      1     F       43
## 557  1.166471e+19 2020-08-12       0      0      7     A        0
## 558  1.166624e+19 2020-08-16       0      0      3     A       33
## 559  1.167759e+19 2020-08-10       0      0      7     A      110
## 560  1.167988e+19 2020-08-13       0      0     13     A        0
## 561  1.168058e+19 2020-08-14       0      0      7     E       14
## 562  1.168240e+19 2020-08-14       0      0      1     A      141
## 563  1.168448e+19 2020-08-14       0      0      3     A        0
## 564  1.169547e+19 2020-08-18       0      0      1     D        0
## 565  1.169962e+19 2020-08-19       0      0     13     A       27
## 566  1.171549e+19 2020-08-17       0      0     25     A       11
## 567  1.171790e+19 2020-08-16       0      0     19     A      130
## 568  1.171831e+19 2020-08-10       0      0     50     F       41
## 569  1.171839e+19 2020-08-20       0      0      3     A        0
## 570  1.171930e+19 2020-08-18       0      0      1     F      141
## 571  1.172078e+19 2020-08-11       0      0      1     A        0
## 572  1.172136e+19 2020-08-14       0      0     39     A        0
## 573  1.172294e+19 2020-08-16       0      0     20     C        0
## 574  1.173086e+19 2020-08-16       0      0     25     B        0
## 575  1.173264e+19 2020-08-16       0      0      9     A       54
## 576  1.174424e+19 2020-08-14       0      0      4     B        0
## 577  1.175164e+19 2020-08-18       0      0      3     G       71
## 578  1.175305e+19 2020-08-11       0      0      1     A        0
## 579  1.175506e+19 2020-08-16       0      0     70     A        0
## 580  1.176612e+19 2020-08-14       0      0      1   <NA>      81
## 581  1.176847e+19 2020-08-12       0      0      1     A       15
## 582  1.177027e+19 2020-08-16       0      0      6   <NA>       0
## 583  1.177104e+19 2020-08-19       0      0      4     C        8
## 584  1.177367e+19 2020-08-13       0      0      1     A        0
## 585  1.178001e+18 2020-08-11       0      0      1     A       90
## 586  1.178140e+19 2020-08-15       0      0     42     C       81
## 587  1.178686e+19 2020-08-15       0      0      1     F       14
## 588  1.178712e+19 2020-08-16       0      0      8     A      141
## 589  1.179008e+19 2020-08-15       0      0      1     A        0
## 590  1.179260e+19 2020-08-11       0      0      8     G      208
## 591  1.179749e+19 2020-08-20       0      0      4     C       31
## 592  1.180384e+19 2020-08-19       0      0      1     B        0
## 593  1.180851e+19 2020-08-11       2   1398     25     B        0
## 594  1.180935e+19 2020-08-14       0      0     13     A        0
## 595  1.181287e+19 2020-08-17       0      0      6     A        0
## 596  1.181719e+19 2020-08-17       0      0      1     B       34
## 597  1.182016e+19 2020-08-10       0      0      3     B        0
## 598  1.182041e+19 2020-08-18       0      0     25     C       81
## 599  1.182341e+19 2020-08-17       0      0      4     A        0
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## 600  1.183181e+19 2020-08-11        0        0        5        A      109
## 601  1.183554e+18 2020-08-12        0        0       26        B        3
## 602  1.184557e+19 2020-08-12        0        0        4        A       91
## 603  1.184825e+19 2020-08-14        0        0        9        A       13
## 604  1.185835e+19 2020-08-13        0        0        4        D        0
## 605  1.187803e+19 2020-08-16        0        0        9        A       30
## 606  1.188573e+19 2020-08-12        0        0       37        A        0
## 607  1.188738e+19 2020-08-19        0        0        3        B       70
## 608  1.189332e+19 2020-08-20        0        0       29        D        0
## 609  1.189856e+19 2020-08-15        0        0       37        F       50
## 610  1.190105e+19 2020-08-14        0        0        8        A        0
## 611  1.190133e+18 2020-08-19        0        0        9        D        0
## 612  1.190186e+18 2020-08-12        0        0        4        D       97
## 613  1.190380e+19 2020-08-13        0        0       22        A       42
## 614  1.192116e+19 2020-08-13        0        0        1        G      110
## 615  1.192720e+19 2020-08-12        0        0       10        B        0
## 616  1.192902e+19 2020-08-19        0        0        4        A       36
## 617  1.193040e+19 2020-08-12        0        0        1        E        0
## 618  1.193397e+19 2020-08-18        0        0        8        C        0
## 619  1.193459e+19 2020-08-10        0        0        3        A      110
## 620  1.193926e+19 2020-08-12        0        0       13        C       81
## 621  1.194131e+19 2020-08-18        0        0        3        A      102
## 622  1.194638e+19 2020-08-16        0        0        8        A        0
## 623  1.194712e+19 2020-08-19        0        0       19        D       30
## 624  1.194799e+19 2020-08-14        0        0        6        C      123
## 625  1.194866e+19 2020-08-15        0        0        3        D        0
## 626  1.195019e+19 2020-08-10        0        0        9        C      208
## 627  1.195075e+19 2020-08-11        0        0       20        C        0
## 628  1.195279e+19 2020-08-20        0        0       24        A       26
## 629  1.195748e+19 2020-08-15        0        0        6        A        0
## 630  1.196039e+19 2020-08-11        0        0        4        A        0
## 631  1.196263e+19 2020-08-15        0        0        2        E        0
## 632  1.196454e+18 2020-08-10        0        0       12        F        0
## 633  1.196576e+18 2020-08-10        0        0       15     <NA>        0
## 634  1.196704e+19 2020-08-14        0        0        2        A       13
## 635  1.196861e+18 2020-08-19        0        0       21        A       27
## 636  1.197587e+19 2020-08-20        0        0        5        A        0
## 637  1.199154e+19 2020-08-20        0        0        1        A        8
## 638  1.199550e+19 2020-08-17        0        0        4        A       10
## 639  1.199848e+18 2020-08-15        0        0        6        D        0
## 640  1.200637e+19 2020-08-10        0        0        2        A        0
## 641  1.200669e+19 2020-08-11        0        0        4        B       40
## 642  1.201260e+19 2020-08-19        0        0        3        A       30
## 643  1.201523e+19 2020-08-11        0        0        1        D        0
## 644  1.201530e+19 2020-08-12        0        0        9        C        0
## 645  1.201637e+19 2020-08-16        0        0        4        G      223
## 646  1.202400e+19 2020-08-15        0        0        2        A       31
## 647  1.202494e+18 2020-08-17        0        0       13        C        0
## 648  1.202662e+19 2020-08-17        0        0       36        A        0
## 649  1.203411e+19 2020-08-20        0        0        3        F        0
## 650  1.203451e+19 2020-08-17        0        0        2        A        0
## 651  1.204611e+19 2020-08-18        0        0        5        A        9
## 652  1.204927e+19 2020-08-19        0        0        5        A       51
## 653  1.206141e+19 2020-08-14        0        0        4        B        0
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## 654  1.206357e+18 2020-08-17        0      0       1    A       11
## 655  1.207122e+19 2020-08-20        0      0       1    A        0
## 656  1.207206e+19 2020-08-17        0      0       1    A        0
## 657  1.207724e+19 2020-08-12        0      0       2    A      141
## 658  1.208112e+18 2020-08-12        0      0      14    C        0
## 659  1.209478e+18 2020-08-18        0      0       5    A        0
## 660  1.209734e+19 2020-08-20        0      0       1    A        0
## 661  1.210258e+19 2020-08-16        0      0       3    A       30
## 662  1.210387e+19 2020-08-12        0      0       8    A        0
## 663  1.211565e+19 2020-08-13        0      0      11    A        0
## 664  1.211593e+19 2020-08-20        0      0       1    E        0
## 665  1.212111e+19 2020-08-18        0      0       4    A        0
## 666  1.212295e+19 2020-08-14        0      0       1    F        0
## 667  1.213575e+19 2020-08-12        0      0       2    A       87
## 668  1.214053e+19 2020-08-15        0      0       5    A       65
## 669  1.214528e+19 2020-08-14        0      0      12    A        0
## 670  1.216370e+19 2020-08-14        0      0       3    D        0
## 671  1.216598e+19 2020-08-16        0      0       9    C       55
## 672  1.216646e+18 2020-08-12        0      0       8    A        0
## 673  1.216698e+19 2020-08-15        0      0       1    A        0
## 674  1.216810e+19 2020-08-15        0      0       1    C      208
## 675  1.217273e+19 2020-08-15        0      0      41    A       13
## 676  1.217404e+19 2020-08-10        0      0      12    A        0
## 677  1.218309e+19 2020-08-18        0      0      14    C      119
## 678  1.218447e+19 2020-08-10        0      0       1    A        0
## 679  1.218563e+19 2020-08-11        0      0       6    A        0
## 680  1.218778e+18 2020-08-11        0      0       3    A        0
## 681  1.219046e+19 2020-08-19        1    859      14    C        0
## 682  1.219624e+19 2020-08-11        0      0       1    A        0
## 683  1.220489e+19 2020-08-13        1    899       5    C       14
## 684  1.220689e+19 2020-08-19        0      0      18    B       81
## 685  1.220932e+19 2020-08-18        1    239       3    E        0
## 686  1.221255e+19 2020-08-13        0      0       1    A        0
## 687  1.221672e+19 2020-08-12        0      0       3    A        0
## 688  1.222896e+19 2020-08-17        0      0       1    A        0
## 689  1.223083e+19 2020-08-13        0      0       8    C       38
## 690  1.223765e+19 2020-08-20        0      0      21    A        0
## 691  1.224600e+19 2020-08-15        0      0       1    A       14
## 692  1.224857e+19 2020-08-14        0      0       2    A       41
## 693  1.226396e+19 2020-08-16        0      0       3    A        0
## 694  1.226851e+19 2020-08-19        1    358       4    D       32
## 695  1.228758e+17 2020-08-20        0      0      35    C        0
## 696  1.228905e+19 2020-08-10        0      0      35    F       55
## 697  1.229502e+19 2020-08-20        1    739     169    C        0
## 698  1.229795e+18 2020-08-12        0      0      29    F       39
## 699  1.229892e+19 2020-08-14        0      0       5    A       62
## 700  1.230009e+19 2020-08-20        0      0       4    A        7
## 701  1.230248e+19 2020-08-18        0      0       4    C        0
## 702  1.230350e+19 2020-08-11        0      0      13    F       44
## 703  1.230638e+19 2020-08-13        0      0      12    B       38
## 704  1.230688e+19 2020-08-15        0      0       9    A        0
## 705  1.231161e+19 2020-08-15        0      0       1    A       13
## 706  1.232010e+19 2020-08-16        0      0       1    A        0
## 707  1.232041e+19 2020-08-19        1   1299      25    A       36
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## 708  1.232268e+19 2020-08-12      0      0    4      A      0
## 709  1.232368e+19 2020-08-16      0      0    1      G     35
## 710  1.232668e+18 2020-08-11      0      0   10      C     92
## 711  1.232784e+19 2020-08-20      0      0   22      B     31
## 712  1.232856e+19 2020-08-18      0      0   18      D     31
## 713  1.233292e+19 2020-08-16      0      0    1      D      0
## 714  1.233758e+19 2020-08-16      0      0   17      C     81
## 715  1.233972e+19 2020-08-17      1    358    5      D     34
## 716  1.234116e+19 2020-08-11      0      0    5      A     92
## 717  1.234294e+19 2020-08-16      0      0    2      A     54
## 718  1.234332e+19 2020-08-15      0      0    1      A      0
## 719  1.234639e+19 2020-08-15      0      0   19      C     36
## 720  1.234872e+19 2020-08-10      0      0   42      A      0
## 721  1.234892e+19 2020-08-10      0      0   10      A      0
## 722  1.234970e+19 2020-08-18      0      0    8      C     71
## 723  1.235130e+19 2020-08-17      0      0    1      B      0
## 724  1.235165e+19 2020-08-13      0      0    3      A     62
## 725  1.235350e+18 2020-08-17      0      0    9      C      0
## 726  1.235447e+19 2020-08-12      0      0    2      A      0
## 727  1.235579e+19 2020-08-14      1    639   19      F     41
## 728  1.237055e+19 2020-08-16      0      0   33      B     49
## 729  1.238393e+19 2020-08-16      0      0   20   <NA>      0
## 730  1.239775e+19 2020-08-12      0      0    5      A      0
## 731  1.240619e+19 2020-08-13      0      0   13      A      0
## 732  1.240771e+19 2020-08-15      0      0    2      A    141
## 733  1.241765e+19 2020-08-10      0      0    6      A     93
## 734  1.241816e+19 2020-08-17      0      0    1      A     84
## 735  1.242034e+19 2020-08-20      0      0    5      A      0
## 736  1.242582e+19 2020-08-19      0      0    1      A     30
## 737  1.242940e+19 2020-08-15      0      0   11      C     36
## 738  1.243128e+19 2020-08-10      0      0   24      A      0
## 739  1.244679e+19 2020-08-14      0      0    1      A      0
## 740  1.245133e+19 2020-08-19      0      0    5      D      0
## 741  1.245992e+19 2020-08-13      0      0    8      A      0
## 742  1.246133e+19 2020-08-16      0      0   11      A     39
## 743  1.246165e+19 2020-08-17      0      0    2      A    103
## 744  1.248020e+19 2020-08-17      0      0   13      D      0
## 745  1.248124e+19 2020-08-16      0      0    1      A     39
## 746  1.248231e+19 2020-08-11      0      0    7      B      0
## 747  1.248296e+19 2020-08-17      0      0    8      A     53
## 748  1.249374e+19 2020-08-12      0      0    2      A      0
## 749  1.249474e+19 2020-08-18      0      0    7      A     52
## 750  1.249730e+19 2020-08-15      0      0    2      A     31
## 751  1.249786e+19 2020-08-15      0      0    3      G     50
## 752  1.249965e+19 2020-08-17      0      0    8      F      0
## 753  1.250785e+19 2020-08-10      0      0   22      A      0
## 754  1.251159e+19 2020-08-12      0      0   25      A      0
## 755  1.252130e+18 2020-08-20      0      0    4      C     81
## 756  1.252549e+19 2020-08-18      0      0    1      A     28
## 757  1.253973e+19 2020-08-18      0      0    5      A      0
## 758  1.255748e+19 2020-08-15      0      0   10      C      0
## 759  1.255778e+19 2020-08-16      0      0    4      B      0
## 760  1.255828e+19 2020-08-10      0      0    5      A     93
## 761  1.256122e+19 2020-08-11      0      0    3      A    109
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## 762  1.257119e+19 2020-08-14        0        0        6        B        0
## 763  1.257340e+19 2020-08-20        0        0        5        A        8
## 764  1.258694e+19 2020-08-16        0        0        2        A       11
## 765  1.258837e+18 2020-08-11        0        0        1        A        0
## 766  1.258921e+19 2020-08-10        1      229       31        A        0
## 767  1.259170e+19 2020-08-18        0        0       41        C        0
## 768  1.259829e+19 2020-08-19        0        0        5        A       27
## 769  1.260223e+19 2020-08-12        0        0        7        F      108
## 770  1.261164e+19 2020-08-20        0        0       14        A      126
## 771  1.262261e+19 2020-08-11        0        0        2        A        0
## 772  1.263129e+19 2020-08-15        0        0        5        A       65
## 773  1.263233e+19 2020-08-17        0        0        7        C        0
## 774  1.263598e+18 2020-08-13        0        0        8        D        0
## 775  1.264179e+19 2020-08-11        0        0        1        A        0
## 776  1.264298e+19 2020-08-13        0        0        5        F        0
## 777  1.264478e+19 2020-08-12        0        0        1        A        0
## 778  1.264721e+19 2020-08-12        0        0        5        F      141
## 779  1.264903e+19 2020-08-10        0        0        5        A      141
## 780  1.265787e+19 2020-08-10        0        0        3        A        0
## 781  1.266308e+18 2020-08-17        0        0       40        A       10
## 782  1.266616e+19 2020-08-16        0        0        3        A       39
## 783  1.267093e+19 2020-08-10        0        0        2        A        0
## 784  1.267153e+19 2020-08-15        0        0        2        B        0
## 785  1.267225e+19 2020-08-14        0        0        1        A       62
## 786  1.268418e+19 2020-08-20        0        0       15        A        0
## 787  1.268909e+19 2020-08-19        0        0       32     <NA>      125
## 788  1.269505e+17 2020-08-18        0        0       11        A       28
## 789  1.270053e+17 2020-08-10        0        0       15        A        0
## 790  1.271459e+17 2020-08-11        0        0        4        F       18
## 791  1.271707e+19 2020-08-18        0        0        1        A       28
## 792  1.271797e+19 2020-08-13        0        0       29        C        0
## 793  1.272802e+19 2020-08-18        0        0       47        A        0
## 794  1.273618e+19 2020-08-14        0        0       14        B        0
## 795  1.273873e+19 2020-08-13        0        0       16     <NA>        0
## 796  1.274133e+19 2020-08-17        0        0        1        A        0
## 797  1.274265e+19 2020-08-12        0        0        1        B       39
## 798  1.274523e+19 2020-08-11        0        0        2        D        0
## 799  1.274750e+19 2020-08-17        0        0        8        A        0
## 800  1.274830e+19 2020-08-17        0        0        9     <NA>        0
## 801  1.275290e+19 2020-08-20        0        0       13        B       45
## 802  1.277076e+19 2020-08-12        0        0        4        A        0
## 803  1.277159e+19 2020-08-16        0        0        1        A        0
## 804  1.277187e+19 2020-08-10        0        0        6        A        0
## 805  1.279051e+18 2020-08-10        0        0        3        A       45
## 806  1.280310e+19 2020-08-13        0        0        1        A        0
## 807  1.281149e+19 2020-08-13        0        0        2        A       42
## 808  1.281285e+19 2020-08-20        0        0       11        A       35
## 809  1.281593e+19 2020-08-16        0        0        5        A        0
## 810  1.282146e+19 2020-08-18        0        0        5        B       33
## 811  1.282321e+19 2020-08-20        0        0        4        D       69
## 812  1.282548e+19 2020-08-18        0        0        1        A       52
## 813  1.282679e+19 2020-08-10        0        0        9        A       93
## 814  1.283339e+19 2020-08-15        0        0        1        A       12
## 815  1.283876e+17 2020-08-10        0        0        5        B        0
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## 816  1.284235e+19 2020-08-11        0     0    11     C     81
## 817  1.284375e+19 2020-08-11        0     0     2     D     44
## 818  1.284452e+19 2020-08-16        0     0     6     A     39
## 819  1.284707e+18 2020-08-17        0     0     2     D    134
## 820  1.284996e+19 2020-08-19        0     0     7     G     46
## 821  1.286040e+19 2020-08-10        0     0    12     A      0
## 822  1.286298e+19 2020-08-16        0     0     5     A    141
## 823  1.286393e+19 2020-08-16        0     0    37     A      0
## 824  1.286836e+18 2020-08-19        0     0     4     A      8
## 825  1.288082e+19 2020-08-13        0     0     4     A      0
## 826  1.288530e+19 2020-08-16        0     0     1     A     54
## 827  1.288809e+19 2020-08-20        0     0     1     A      0
## 828  1.288966e+19 2020-08-12        0     0     4     C    208
## 829  1.289294e+19 2020-08-16        0     0     1     A      0
## 830  1.289921e+18 2020-08-11        0     0     4     A      0
## 831  1.291306e+19 2020-08-13        0     0     4     D     52
## 832  1.291431e+19 2020-08-10        0     0     4     A      0
## 833  1.292583e+19 2020-08-20        0     0    22     A    126
## 834  1.293307e+19 2020-08-12        0     0     1     D     39
## 835  1.293622e+19 2020-08-13        0     0     9     A      0
## 836  1.294437e+19 2020-08-11        0     0    32     A      0
## 837  1.294812e+19 2020-08-15        0     0     3     D     56
## 838  1.295209e+19 2020-08-18        0     0    11     A      0
## 839  1.295236e+19 2020-08-18        0     0     3     A     37
## 840  1.296616e+19 2020-08-13        0     0     3     A     14
## 841  1.296851e+19 2020-08-20        0     0     4     D     69
## 842  1.298211e+19 2020-08-17        0     0     2     A    141
## 843  1.298352e+19 2020-08-11        0     0    11     F      0
## 844  1.298710e+19 2020-08-19        0     0    47     C      8
## 845  1.299140e+19 2020-08-11        0     0     1     A      0
## 846  1.299596e+19 2020-08-14        0     0     3     A      0
## 847  1.301746e+18 2020-08-14        0     0    32     B     51
## 848  1.301840e+19 2020-08-19        0     0     1     A     36
## 849  1.302313e+19 2020-08-20        0     0     6     A     29
## 850  1.302608e+17 2020-08-15        0     0     9     C     81
## 851  1.302638e+19 2020-08-19        0     0     2     D     70
## 852  1.303627e+19 2020-08-17        0     0    16     C     48
## 853  1.304402e+19 2020-08-16        0     0     6     A      0
## 854  1.304593e+19 2020-08-10        0     0     1     A      0
## 855  1.304832e+19 2020-08-16        0     0    16     B      0
## 856  1.305866e+19 2020-08-19        0     0     4     F    100
## 857  1.306506e+19 2020-08-15        0     0     2     A     40
## 858  1.306963e+19 2020-08-13        0     0    22     B     52
## 859  1.307177e+19 2020-08-18        0     0     9     C    208
## 860  1.307469e+19 2020-08-14        0     0     4     G    208
## 861  1.307997e+18 2020-08-14        0     0     9     C     57
## 862  1.308840e+19 2020-08-10        0     0    12     A      0
## 863  1.309810e+19 2020-08-17        0     0     1     A      0
## 864  1.310090e+19 2020-08-19        0     0     1     A     27
## 865  1.310308e+19 2020-08-12        0     0     2     A     91
## 866  1.310925e+19 2020-08-17        0     0     5     A      0
## 867  1.311257e+19 2020-08-17        0     0     2     A      0
## 868  1.311919e+18 2020-08-11        0     0     5     C      0
## 869  1.312433e+19 2020-08-17        0     0     1     A    141
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## 870  1.313111e+19 2020-08-20    0    0   19    A      0
## 871  1.314024e+19 2020-08-18    0    0    7    D      0
## 872  1.314469e+19 2020-08-12    0    0   13    A    134
## 873  1.314890e+19 2020-08-13    0    0    1    A     14
## 874  1.315810e+19 2020-08-11    0    0    9    C     54
## 875  1.315855e+19 2020-08-15    1  399   23    B      0
## 876  1.316069e+19 2020-08-12    0    0   18    A     43
## 877  1.316174e+19 2020-08-11    0    0    2    B      0
## 878  1.316294e+19 2020-08-16    0    0    4    D      0
## 879  1.316943e+19 2020-08-18    0    0    1    G      0
## 880  1.317966e+19 2020-08-19    0    0    2    A     51
## 881  1.317977e+19 2020-08-19    0    0   38    B     70
## 882  1.318815e+19 2020-08-17    0    0    2    A      0
## 883  1.319046e+19 2020-08-16    0    0    1    A     30
## 884  1.319623e+19 2020-08-14    0    0   38    A      0
## 885  1.319834e+19 2020-08-14    0    0    2    A    105
## 886  1.320867e+19 2020-08-20    0    0    3    A      7
## 887  1.321205e+19 2020-08-10    0    0    1    A     65
## 888  1.321286e+19 2020-08-12    0    0    1    A      0
## 889  1.321815e+19 2020-08-14    0    0    1    D      0
## 890  1.322594e+19 2020-08-10    0    0    2    A      0
## 891  1.323350e+19 2020-08-12    0    0    3    A      0
## 892  1.323794e+18 2020-08-14    0    0    7    D     51
## 893  1.323817e+19 2020-08-13    0    0   28    B      0
## 894  1.323853e+19 2020-08-12    0    0   36    A     91
## 895  1.324269e+19 2020-08-16    0    0   28    B      0
## 896  1.325049e+19 2020-08-12    0    0    4    A     53
## 897  1.325834e+19 2020-08-14    0    0    1    A     15
## 898  1.326269e+19 2020-08-17    0    0    2    A     38
## 899  1.326426e+18 2020-08-16    0    0    1    A     39
## 900  1.326757e+19 2020-08-15    0    0    1    F     40
## 901  1.327024e+19 2020-08-12    0    0    3    B      0
## 902  1.327241e+19 2020-08-12    0    0    5    A      0
## 903  1.328417e+19 2020-08-11    0    0    1    A     18
## 904  1.331295e+19 2020-08-17    0    0    6    A     32
## 905  1.331523e+19 2020-08-11    0    0    1    D      0
## 906  1.331527e+19 2020-08-11    0    0   14    A      0
## 907  1.332711e+19 2020-08-11    0    0    5    A      0
## 908  1.333928e+19 2020-08-19    0    0    1    A      0
## 909  1.333952e+18 2020-08-18    0    0    1    A      0
## 910  1.334541e+19 2020-08-16    0    0    6    A     12
## 911  1.335304e+19 2020-08-17    0    0    1    A      0
## 912  1.335450e+19 2020-08-13    0    0    3    B      0
## 913  1.335973e+19 2020-08-19    0    0    4    A      0
## 914  1.336067e+19 2020-08-11    0    0    5    A      0
## 915  1.336145e+19 2020-08-10    0    0   18    C     43
## 916  1.336234e+19 2020-08-19    0    0    2    A      0
## 917  1.337845e+19 2020-08-12    0    0    1    A      0
## 918  1.338083e+19 2020-08-17    0    0    9    C    208
## 919  1.338490e+19 2020-08-15    0    0   11    A     12
## 920  1.338741e+19 2020-08-19    0    0   11    C     32
## 921  1.338937e+19 2020-08-20    0    0    3    A      0
## 922  1.339946e+19 2020-08-19    0    0    4    A      0
## 923  1.341173e+19 2020-08-15    0    0   30    A      0
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## 924  1.341381e+19 2020-08-10        0      0      5         B         0
## 925  1.341440e+19 2020-08-12        0      0      4         G       208
## 926  1.342863e+19 2020-08-14        0      0      5      <NA>        13
## 927  1.342938e+19 2020-08-13        0      0      9         F       107
## 928  1.343006e+19 2020-08-15        0      0     24         A         0
## 929  1.344000e+19 2020-08-13        0      0      4         E        15
## 930  1.344120e+19 2020-08-12        0      0      2         A        16
## 931  1.344500e+19 2020-08-17        0      0     11         D        11
## 932  1.344782e+19 2020-08-14        0      0      3         C         0
## 933  1.345094e+19 2020-08-17        0      0      7         A         0
## 934  1.345475e+19 2020-08-12        0      0     77         A        89
## 935  1.346551e+19 2020-08-18        0      0      6         A         0
## 936  1.346786e+19 2020-08-11        0      0      3         A        44
## 937  1.349431e+19 2020-08-15        0      0      7         A         0
## 938  1.350313e+19 2020-08-11        0      0      1         B       141
## 939  1.350317e+18 2020-08-19        0      0     26         A         9
## 940  1.350377e+19 2020-08-12        0      0     12         D         0
## 941  1.350401e+19 2020-08-13        0      0      1         A        42
## 942  1.351422e+19 2020-08-14        0      0     21         B        81
## 943  1.352173e+19 2020-08-11        0      0      4         G        81
## 944  1.352877e+19 2020-08-20        0      0     45         B        31
## 945  1.353681e+19 2020-08-11        0      0      7         C        16
## 946  1.353833e+19 2020-08-17        0      0     12         C        81
## 947  1.353934e+18 2020-08-18        0      0      2         A        52
## 948  1.354412e+19 2020-08-17        0      0     19         B         0
## 949  1.354472e+19 2020-08-19        0      0      2         A        51
## 950  1.355768e+19 2020-08-16        0      0     19         B         0
## 951  1.355903e+19 2020-08-19        0      0     11         A         0
## 952  1.357278e+19 2020-08-12        0      0     20         B        81
## 953  1.358353e+19 2020-08-12        0      0      1         E         0
## 954  1.359037e+19 2020-08-16        0      0      6         A        55
## 955  1.360242e+19 2020-08-15        0      0     10         A        31
## 956  1.360284e+19 2020-08-16        0      0      1         A        30
## 957  1.361474e+19 2020-08-20        0      0     25         A        50
## 958  1.362305e+19 2020-08-14        0      0      7         D         0
## 959  1.362598e+19 2020-08-20        0      0      2         A        35
## 960  1.362776e+19 2020-08-20        0      0     16         C        31
## 961  1.363539e+19 2020-08-13        0      0      1         A        15
## 962  1.364173e+19 2020-08-17        0      0     18         C        72
## 963  1.365290e+19 2020-08-16        0      0      1         A       104
## 964  1.365614e+19 2020-08-18        0      0     10         A         0
## 965  1.366139e+19 2020-08-15        0      0      7         A         0
## 966  1.366819e+19 2020-08-13        0      0      7         C        52
## 967  1.367685e+19 2020-08-16        0      0      5         D        12
## 968  1.367948e+19 2020-08-19        0      0     16         G        70
## 969  1.368080e+19 2020-08-11        0      0      9         A         0
## 970  1.368622e+19 2020-08-20        0      0      9         C         7
## 971  1.368824e+19 2020-08-11        0      0      4         A       109
## 972  1.370092e+19 2020-08-16        0      0      5         A         0
## 973  1.371381e+18 2020-08-17        0      0      2         A       102
## 974  1.372380e+19 2020-08-13        0      0     22         C         0
## 975  1.372549e+19 2020-08-12        0      0     27         B        39
## 976  1.372826e+19 2020-08-17        0      0      8         E        11
## 977  1.373045e+18 2020-08-16        0      0      1         E         0
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## 978  1.373281e+18 2020-08-12        0     0   11      F      0
## 979  1.373327e+19 2020-08-20        0     0    3      D     45
## 980  1.373349e+19 2020-08-14        0     0    3      A     41
## 981  1.373421e+19 2020-08-17        0     0    2      A     10
## 982  1.374011e+19 2020-08-16        0     0   22      C    166
## 983  1.374302e+19 2020-08-10        0     0    4      A      0
## 984  1.374388e+19 2020-08-12        0     0    2      B     39
## 985  1.374389e+19 2020-08-12        0     0    2      A    108
## 986  1.374493e+19 2020-08-12        0     0    1      A      0
## 987  1.375698e+19 2020-08-17        0     0   20      C      0
## 988  1.375858e+19 2020-08-11        0     0   30      B     40
## 989  1.376169e+17 2020-08-20        0     0    3      G    151
## 990  1.376251e+19 2020-08-15        1   599   12      B     10
## 991  1.378147e+19 2020-08-17        1   899   11      C      0
## 992  1.379261e+19 2020-08-19        0     0   41      C     32
## 993  1.379515e+19 2020-08-19        0     0    4      A      0
## 994  1.379605e+19 2020-08-17        0     0    1      A     53
## 995  1.379776e+19 2020-08-15        0     0    4      C     56
## 996  1.379837e+19 2020-08-11        0     0   13      A      0
## 997  1.379880e+19 2020-08-11        1  1499   40      A     44
## 998  1.380354e+19 2020-08-17        0     0    3      A      0
## 999  1.380508e+19 2020-08-18        0     0    1      E     10
## 1000 1.380844e+19 2020-08-18        0     0   89      A      0
## 1001 1.381171e+19 2020-08-12        0     0   15      A     87
## 1002 1.382519e+19 2020-08-19        0     0    3      A     27
## 1003 1.382625e+19 2020-08-15        0     0    1      A     65
## 1004 1.382737e+19 2020-08-13        0     0    1      D      0
## 1005 1.382859e+19 2020-08-16        0     0    1      A     11
## 1006 1.383164e+19 2020-08-13        0     0    8      A      0
## 1007 1.383189e+19 2020-08-14        0     0    1      A      0
## 1008 1.383469e+17 2020-08-18        0     0    9      G    153
## 1009 1.384546e+19 2020-08-20        0     0    3      A     62
## 1010 1.384905e+19 2020-08-10        0     0   13      C      0
## 1011 1.385456e+19 2020-08-11        0     0    4      G     99
## 1012 1.385666e+19 2020-08-14        0     0    3      A      0
## 1013 1.385695e+19 2020-08-20        0     0    2      A     26
## 1014 1.385854e+19 2020-08-10        0     0   13      A     17
## 1015 1.386192e+19 2020-08-18        0     0    2      A      0
## 1016 1.386608e+19 2020-08-15        0     0    3      A      0
## 1017 1.387710e+19 2020-08-17        0     0   11      G     72
## 1018 1.387789e+19 2020-08-20        0     0    1      A     50
## 1019 1.388180e+19 2020-08-15        0     0   36      C      0
## 1020 1.389342e+18 2020-08-17        1  1079   18      G    154
## 1021 1.389948e+19 2020-08-15        0     0    4      D     36
## 1022 1.391213e+19 2020-08-19        1   716    8      D      0
## 1023 1.391478e+19 2020-08-11        0     0    2      A      0
## 1024 1.391540e+19 2020-08-18        0     0    1      A     28
## 1025 1.391602e+19 2020-08-16        0     0    7   <NA>      0
## 1026 1.392383e+19 2020-08-16        0     0   65      F     35
## 1027 1.392662e+19 2020-08-16        0     0   53      C    208
## 1028 1.392806e+19 2020-08-15        0     0    4      A      0
## 1029 1.392971e+19 2020-08-19        0     0   26      A      0
## 1030 1.393027e+19 2020-08-17        0     0    8      D      0
## 1031 1.393070e+19 2020-08-19        0     0    2      A     30
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## 1032 1.393438e+18 2020-08-15       0       0       5       D       0
## 1033 1.393620e+19 2020-08-19       0       0       8       E       0
## 1034 1.393676e+18 2020-08-16       0       0      14       C      35
## 1035 1.393992e+19 2020-08-12       0       0       2       A       0
## 1036 1.394142e+19 2020-08-11       0       0      12       A      65
## 1037 1.394552e+19 2020-08-10       0       0       4       A      45
## 1038 1.395462e+19 2020-08-12       0       0       1       A      87
## 1039 1.395654e+19 2020-08-10       0       0       6       A       0
## 1040 1.395666e+19 2020-08-16       0       0      18       C     121
## 1041 1.396714e+18 2020-08-13       0       0       3       A      16
## 1042 1.397226e+19 2020-08-11       0       0       3       C     208
## 1043 1.397463e+19 2020-08-17       0       0      27       B     223
## 1044 1.397559e+19 2020-08-19       0       0      14       A      36
## 1045 1.398750e+19 2020-08-17       0       0       1       A      29
## 1046 1.398917e+19 2020-08-14       0       0       2       D       0
## 1047 1.399258e+19 2020-08-20       0       0      27       F      45
## 1048 1.400455e+19 2020-08-12       0       0      18       A     108
## 1049 1.401138e+19 2020-08-15       1     239       4       A      65
## 1050 1.401214e+18 2020-08-16       0       0       3       F       0
## 1051 1.401492e+19 2020-08-13       0       0       2       G      52
## 1052 1.403631e+19 2020-08-20       0       0      11       A       0
## 1053 1.403665e+19 2020-08-20       0       0       2       A       0
## 1054 1.403850e+19 2020-08-18       0       0       2       A       0
## 1055 1.405826e+19 2020-08-10       1     909      12       A       0
## 1056 1.405858e+19 2020-08-14       0       0      22       B      51
## 1057 1.406101e+19 2020-08-10       0       0      14       G      55
## 1058 1.406234e+19 2020-08-15       0       0       1       A       0
## 1059 1.407138e+19 2020-08-17       0       0      17       C      34
## 1060 1.407261e+19 2020-08-20       0       0       1       A       0
## 1061 1.407450e+19 2020-08-14       0       0       2       A       0
## 1062 1.408889e+19 2020-08-16       0       0       3       A      11
## 1063 1.409612e+19 2020-08-14       0       0      35    <NA>     130
## 1064 1.410206e+19 2020-08-14       0       0       2       A       0
## 1065 1.412190e+19 2020-08-19       1     399      45       B       0
## 1066 1.412548e+19 2020-08-12       0       0       2       A      87
## 1067 1.412703e+19 2020-08-16       0       0      30       A      30
## 1068 1.413481e+19 2020-08-20       0       0       2       A      99
## 1069 1.413617e+18 2020-08-12       0       0       8       D      53
## 1070 1.413851e+19 2020-08-18       0       0      81       C     208
## 1071 1.413889e+19 2020-08-19       0       0      34       C       0
## 1072 1.414054e+19 2020-08-11       0       0       1       D       0
## 1073 1.414880e+19 2020-08-18       0       0       1       A       9
## 1074 1.415064e+19 2020-08-19       0       0       2       A       0
## 1075 1.415270e+19 2020-08-16       0       0      18       G      49
## 1076 1.415478e+19 2020-08-15       0       0       8       D      50
## 1077 1.415504e+18 2020-08-11       0       0      26       A      44
## 1078 1.416313e+19 2020-08-18       0       0      11       B       0
## 1079 1.416645e+18 2020-08-10       0       0       3       A      93
## 1080 1.417240e+19 2020-08-12       0       0       2       A      43
## 1081 1.418170e+19 2020-08-15       0       0       2       C      56
## 1082 1.418415e+18 2020-08-18       0       0      10       C     166
## 1083 1.418862e+19 2020-08-17       0       0      18       C      29
## 1084 1.419100e+19 2020-08-18       0       0      13       A      52
## 1085 1.419113e+19 2020-08-16       0       0      26       A      54
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## 1086 1.419477e+19 2020-08-11      0      0      7      C      62
## 1087 1.419869e+19 2020-08-16      1   1339     14      A       0
## 1088 1.419918e+18 2020-08-14      0      0      7      A       0
## 1089 1.420622e+19 2020-08-12      0      0      7      A     141
## 1090 1.422313e+19 2020-08-20      0      0      2      A       7
## 1091 1.423302e+19 2020-08-16      0      0     19      A       0
## 1092 1.424266e+19 2020-08-18      0      0      1      A       0
## 1093 1.424529e+19 2020-08-10      0      0     11      A       0
## 1094 1.424891e+19 2020-08-18      0      0      8      G      71
## 1095 1.426924e+19 2020-08-20      0      0      5      A      35
## 1096 1.427123e+19 2020-08-15      0      0      5      D      85
## 1097 1.427603e+19 2020-08-20      0      0     42      F      31
## 1098 1.427667e+19 2020-08-17      0      0     20      C       0
## 1099 1.427703e+19 2020-08-11      0      0      8      D     141
## 1100 1.428106e+19 2020-08-12      0      0      3      D       0
## 1101 1.429466e+19 2020-08-19      0      0      9      A       0
## 1102 1.430136e+19 2020-08-18      0      0     33      C       0
## 1103 1.430175e+19 2020-08-13      0      0      4      D       0
## 1104 1.430973e+19 2020-08-14      0      0     21      A      65
## 1105 1.431404e+17 2020-08-14      0      0      2      D       0
## 1106 1.432818e+19 2020-08-11      0      0      9      C      42
## 1107 1.432942e+19 2020-08-16      0      0      1      A      11
## 1108 1.433146e+19 2020-08-12      0      0      1      A       0
## 1109 1.433453e+19 2020-08-10      0      0     58      A       0
## 1110 1.433513e+19 2020-08-11      0      0     16      A      16
## 1111 1.434167e+19 2020-08-16      0      0      4      B      73
## 1112 1.434553e+19 2020-08-20      0      0     22      C      29
## 1113 1.434991e+19 2020-08-11      0      0      2      A       0
## 1114 1.436375e+19 2020-08-19      0      0     37      F      32
## 1115 1.437540e+19 2020-08-15      0      0      1      A      86
## 1116 1.437584e+19 2020-08-17      0      0     26      A      38
## 1117 1.437603e+19 2020-08-20      0      0      5      A      29
## 1118 1.437939e+19 2020-08-11      0      0      2      D       0
## 1119 1.439169e+19 2020-08-15      0      0      6      C       0
## 1120 1.439504e+19 2020-08-12      1   1499     24      A      15
## 1121 1.439719e+19 2020-08-12      0      0     11   <NA>       0
## 1122 1.439731e+19 2020-08-16      0      0      5      A      30
## 1123 1.439949e+18 2020-08-18      0      0      4      A       0
## 1124 1.440145e+19 2020-08-10      0      0      1      F     141
## 1125 1.440430e+19 2020-08-20      0      0      5      D       0
## 1126 1.440611e+19 2020-08-17      0      0      7      A       0
## 1127 1.440737e+19 2020-08-19      0      0      1      A       0
## 1128 1.440904e+19 2020-08-16      0      0     10      A      11
## 1129 1.441568e+19 2020-08-20      0      0      2      E       0
## 1130 1.442284e+19 2020-08-14      0      0      1      A       0
## 1131 1.442515e+18 2020-08-10      1    718     16      A       0
## 1132 1.443152e+19 2020-08-14      0      0      6      C      37
## 1133 1.443402e+19 2020-08-20      0      0      2      A      35
## 1134 1.443608e+19 2020-08-16      0      0     46      F      49
## 1135 1.444784e+19 2020-08-13      0      0      1      G     223
## 1136 1.445154e+19 2020-08-15      0      0     18      B      50
## 1137 1.445369e+19 2020-08-18      0      0     11      B      33
## 1138 1.445883e+19 2020-08-16      0      0      4      A       0
## 1139 1.446460e+19 2020-08-14      0      0      1      B      37
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## 1140 1.448121e+19 2020-08-12      0      0      3    B      0
## 1141 1.448887e+19 2020-08-20      0      0      4    A     35
## 1142 1.449671e+19 2020-08-12      0      0     14    C      0
## 1143 1.449994e+19 2020-08-14      0      0      8    D     37
## 1144 1.450335e+19 2020-08-10      0      0      3    A    141
## 1145 1.450485e+19 2020-08-13      0      0      4    C     81
## 1146 1.450778e+19 2020-08-10      0      0      1    A     65
## 1147 1.450970e+19 2020-08-11      0      0      4    A     69
## 1148 1.451148e+19 2020-08-20      0      0     54    A      0
## 1149 1.451371e+19 2020-08-10      0      0     14    A      0
## 1150 1.451643e+18 2020-08-13      0      0      5    E      0
## 1151 1.452383e+19 2020-08-10      0      0      2    A     65
## 1152 1.452430e+19 2020-08-13      0      0      2    D      0
## 1153 1.453491e+19 2020-08-11      0      0      1    A     16
## 1154 1.453663e+19 2020-08-17      0      0     47    B     34
## 1155 1.453802e+19 2020-08-18      0      0     15    C     81
## 1156 1.453837e+19 2020-08-17      0      0      5    A      0
## 1157 1.454274e+19 2020-08-15      0      0      3    A     62
## 1158 1.455495e+19 2020-08-10      0      0      4    E    136
## 1159 1.456275e+19 2020-08-12      0      0      4    A     15
## 1160 1.457586e+19 2020-08-15      0      0      1    A      0
## 1161 1.457761e+19 2020-08-17      0      0      7    C     65
## 1162 1.457845e+18 2020-08-19      0      0      5    A     51
## 1163 1.458991e+19 2020-08-12      0      0      2    A     87
## 1164 1.459070e+19 2020-08-17      0      0     11    A      0
## 1165 1.459560e+19 2020-08-14      0      0      1    G     51
## 1166 1.460000e+19 2020-08-19      0      0      1    C     70
## 1167 1.461228e+19 2020-08-10      1   2699     11    A     45
## 1168 1.461240e+19 2020-08-20      0      0     13    D    103
## 1169 1.462179e+19 2020-08-20      0      0      3    A      0
## 1170 1.463092e+19 2020-08-19      0      0      1    A     51
## 1171 1.463287e+19 2020-08-13      0      0      1    D     38
## 1172 1.463376e+19 2020-08-20      0      0      6    C      0
## 1173 1.463532e+19 2020-08-20      0      0      9    A     29
## 1174 1.464392e+19 2020-08-19      1   1339     13    G     70
## 1175 1.464477e+19 2020-08-15      0      0     29    A      0
## 1176 1.465764e+19 2020-08-12      0      0      3    G    111
## 1177 1.466572e+19 2020-08-20      0      0      2    A     50
## 1178 1.467246e+19 2020-08-16      0      0      2    A     11
## 1179 1.467901e+19 2020-08-11      0      0      7    C      0
## 1180 1.468280e+19 2020-08-12      0      0      3    B      0
## 1181 1.468353e+19 2020-08-14      0      0      1    A     13
## 1182 1.468591e+18 2020-08-13      0      0      1    D      0
## 1183 1.468719e+19 2020-08-16      0      0     15    G     49
## 1184 1.470177e+19 2020-08-14      0      0      8    A     41
## 1185 1.470625e+19 2020-08-13      0      0      1    A    141
## 1186 1.470855e+19 2020-08-11      0      0      3    A     16
## 1187 1.471490e+19 2020-08-16      0      0      3    B     35
## 1188 1.471922e+19 2020-08-11      0      0     12    A     42
## 1189 1.472048e+19 2020-08-19      0      0     16    D     32
## 1190 1.472373e+19 2020-08-10      0      0      8    C      0
## 1191 1.473429e+19 2020-08-13      0      0      1    G     52
## 1192 1.474024e+19 2020-08-19      0      0      1    B      0
## 1193 1.474252e+19 2020-08-13      0      0      4    A      0
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## 1194 1.474300e+18 2020-08-14        0      0     2     A     65
## 1195 1.474694e+19 2020-08-20        0      0     1     B     31
## 1196 1.474860e+19 2020-08-16        0      0     3     B      0
## 1197 1.475020e+19 2020-08-10        1   1799     9     A     17
## 1198 1.475445e+19 2020-08-20        0      0     2     F    100
## 1199 1.475668e+19 2020-08-11        0      0     4     A      0
## 1200 1.476449e+19 2020-08-13        0      0    18     A      0
## 1201 1.476526e+19 2020-08-10        0      0    51     B    198
## 1202 1.477056e+19 2020-08-11        1    639     1     F     16
## 1203 1.477336e+18 2020-08-13        0      0     1     A      0
## 1204 1.477688e+19 2020-08-20        0      0     4     A      0
## 1205 1.478455e+19 2020-08-14        0      0    13     A     41
## 1206 1.478821e+19 2020-08-14        0      0     4     D      0
## 1207 1.480680e+19 2020-08-11        0      0     5     F      0
## 1208 1.481162e+19 2020-08-16        0      0     4     A      0
## 1209 1.481731e+19 2020-08-15        0      0    30     A      0
## 1210 1.482034e+19 2020-08-14        0      0     1     A      0
## 1211 1.482729e+19 2020-08-19        0      0    38     A      0
## 1212 1.483432e+19 2020-08-18        0      0    31     C      0
## 1213 1.483585e+18 2020-08-17        0      0    29     B      0
## 1214 1.485031e+19 2020-08-11        0      0     1     A     54
## 1215 1.485626e+18 2020-08-16        0      0    15     C     11
## 1216 1.485981e+19 2020-08-20        0      0     1     A     35
## 1217 1.486421e+19 2020-08-15        0      0    39     A      0
## 1218 1.486657e+19 2020-08-20        0      0     9     A     69
## 1219 1.486707e+19 2020-08-12        0      0     2     F     43
## 1220 1.486733e+19 2020-08-16        0      0     7     C      0
## 1221 1.486748e+19 2020-08-12        0      0     3     B      0
## 1222 1.486908e+19 2020-08-11        0      0     2     A      0
## 1223 1.487055e+19 2020-08-14        0      0     5     G      0
## 1224 1.488738e+19 2020-08-18        0      0    30     A     10
## 1225 1.489736e+19 2020-08-19        0      0     4     G     81
## 1226 1.490955e+19 2020-08-13        0      0    16     C     38
## 1227 1.491311e+19 2020-08-10        1   1339    52     A     17
## 1228 1.492002e+19 2020-08-15        0      0     4     C      0
## 1229 1.492231e+18 2020-08-11        0      0    49     A      0
## 1230 1.492961e+19 2020-08-17        0      0    11     A     72
## 1231 1.493097e+19 2020-08-14        0      0     1     A     15
## 1232 1.493490e+19 2020-08-12        0      0     1     D    139
## 1233 1.494122e+19 2020-08-19        0      0     1     D      0
## 1234 1.494240e+19 2020-08-10        0      0     5     D     45
## 1235 1.494381e+19 2020-08-19        0      0     5     B      0
## 1236 1.495258e+19 2020-08-17        0      0     3     A      0
## 1237 1.495839e+19 2020-08-17        0      0    14     A     10
## 1238 1.496779e+19 2020-08-17        0      0    29     B     48
## 1239 1.497390e+19 2020-08-12        0      0     2     A      0
## 1240 1.497941e+19 2020-08-10        0      0     6     E      0
## 1241 1.498915e+19 2020-08-15        0      0     1     A     40
## 1242 1.499573e+18 2020-08-11        0      0     5     B     78
## 1243 1.499811e+19 2020-08-19        0      0     6     D    104
## 1244 1.499882e+19 2020-08-16        0      0     5     A     39
## 1245 1.500111e+19 2020-08-15        0      0    14     B     36
## 1246 1.500810e+19 2020-08-16        0      0     5     D      0
## 1247 1.501062e+19 2020-08-11        0      0     1     A      0
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## 1248 1.502431e+19 2020-08-20      0      0     4     A     35
## 1249 1.502808e+19 2020-08-20      0      0     2     A     29
## 1250 1.502894e+19 2020-08-11      0      0     1     A     16
## 1251 1.503088e+19 2020-08-18      0      0     1     A     37
## 1252 1.504266e+19 2020-08-17      0      0     2     A      0
## 1253 1.504655e+19 2020-08-18      0      0    27     A     52
## 1254 1.505748e+19 2020-08-11      0      0     8     A     62
## 1255 1.506565e+19 2020-08-19      0      0     2     E      0
## 1256 1.506878e+19 2020-08-13      0      0     1     A     15
## 1257 1.507223e+19 2020-08-11      0      0     2     A     92
## 1258 1.507539e+19 2020-08-17      0      0    62  <NA>    127
## 1259 1.507952e+19 2020-08-16      0      0     1     A     39
## 1260 1.508657e+19 2020-08-12      0      0     4     G    159
## 1261 1.509518e+19 2020-08-14      0      0     4     A    106
## 1262 1.509545e+19 2020-08-18      0      0     1     A      0
## 1263 1.509611e+19 2020-08-17      0      0     5     G    223
## 1264 1.509719e+19 2020-08-11      0      0     9     A      0
## 1265 1.510076e+19 2020-08-20      0      0    27     A      0
## 1266 1.511437e+19 2020-08-18      0      0     9     D     33
## 1267 1.511984e+19 2020-08-17      0      0     5     A      0
## 1268 1.512563e+19 2020-08-16      0      0     5     A      0
## 1269 1.512571e+19 2020-08-12      0      0     5     A      0
## 1270 1.513066e+19 2020-08-14      0      0    21     A      0
## 1271 1.513308e+18 2020-08-19      0      0     1     B      0
## 1272 1.513345e+19 2020-08-12      0      0     2     A     43
## 1273 1.514216e+19 2020-08-11      0      0     2     B     40
## 1274 1.514933e+19 2020-08-14      0      0    63     A     13
## 1275 1.515266e+19 2020-08-18      0      0     5  <NA>      0
## 1276 1.515310e+19 2020-08-14      0      0     1     A     62
## 1277 1.515335e+19 2020-08-19      0      0     1  <NA>      0
## 1278 1.515719e+19 2020-08-13      0      0    15     C     52
## 1279 1.515764e+19 2020-08-18      0      0    22     A      0
## 1280 1.516082e+19 2020-08-14      0      0     1     A      0
## 1281 1.516570e+19 2020-08-19      0      0     4     A      8
## 1282 1.516881e+19 2020-08-17      0      0     4     D     72
## 1283 1.517572e+19 2020-08-14      0      0     2     A      0
## 1284 1.518076e+19 2020-08-10      0      0     9     C     43
## 1285 1.518214e+19 2020-08-13      0      0     2     A     14
## 1286 1.518587e+19 2020-08-14      0      0    19     A     13
## 1287 1.518928e+19 2020-08-11      0      0     1     A      0
## 1288 1.519061e+19 2020-08-17      0      0     3     D     72
## 1289 1.519417e+19 2020-08-20      1   1569    47     A      0
## 1290 1.519570e+19 2020-08-10      0      0    16     D     55
## 1291 1.519680e+19 2020-08-13      0      0    15     A     67
## 1292 1.520046e+19 2020-08-15      0      0     4     B      0
## 1293 1.520584e+19 2020-08-15      0      0     4     C     81
## 1294 1.520690e+19 2020-08-17      0      0     3     A      0
## 1295 1.520829e+19 2020-08-12      0      0     6     A      0
## 1296 1.520848e+19 2020-08-17      0      0     1     A      0
## 1297 1.520966e+19 2020-08-14      0      0     1     E      0
## 1298 1.522328e+19 2020-08-16      0      0     4     C    208
## 1299 1.522592e+19 2020-08-10      0      0     2     A     17
## 1300 1.524427e+19 2020-08-19      0      0     5     A    101
## 1301 1.524473e+19 2020-08-17      0      0     1     E      0
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## 1302 1.524528e+19 2020-08-17    0    0    2    A     53
## 1303 1.524734e+19 2020-08-19    0    0    6    A      0
## 1304 1.525275e+19 2020-08-18    0    0    8    C      0
## 1305 1.526029e+19 2020-08-14    0    0    4    E      0
## 1306 1.526928e+19 2020-08-11    0    0   39    B      0
## 1307 1.527300e+19 2020-08-14    0    0    5    C     13
## 1308 1.527365e+19 2020-08-18    0    0    2    A     52
## 1309 1.527494e+19 2020-08-20    0    0    7    C    117
## 1310 1.527682e+19 2020-08-11    0    0    1    A      0
## 1311 1.527703e+19 2020-08-19    0    0    9    C     32
## 1312 1.528704e+19 2020-08-19    0    0    9 <NA>      0
## 1313 1.529559e+19 2020-08-10    0    0    1    A      0
## 1314 1.529570e+19 2020-08-16    0    0   60    A     11
## 1315 1.529714e+19 2020-08-18    0    0    2    C      0
## 1316 1.530173e+19 2020-08-19    0    0    3    A      0
## 1317 1.530869e+19 2020-08-13    0    0    1    C      0
## 1318 1.531077e+19 2020-08-19    0    0    1    F    141
## 1319 1.531440e+19 2020-08-19    1 1499   25    A     36
## 1320 1.531485e+18 2020-08-16    0    0    2    A      0
## 1321 1.531529e+18 2020-08-18    0    0   14    A     52
## 1322 1.531840e+19 2020-08-19    0    0   13    D      0
## 1323 1.532469e+19 2020-08-19    0    0    6    D      0
## 1324 1.532703e+19 2020-08-16    0    0   13    A      0
## 1325 1.532822e+19 2020-08-13    0    0   13    C     81
## 1326 1.533865e+19 2020-08-10    0    0    9    D      0
## 1327 1.535239e+18 2020-08-19    0    0    6    A     30
## 1328 1.535331e+19 2020-08-20    0    0    4    A      0
## 1329 1.535523e+19 2020-08-17    0    0    3    A      0
## 1330 1.536180e+18 2020-08-11    0    0    1    A     16
## 1331 1.536589e+19 2020-08-12    0    0    2    A     15
## 1332 1.536925e+19 2020-08-12    0    0   32    A     16
## 1333 1.537053e+19 2020-08-19    0    0   41    B     32
## 1334 1.537071e+19 2020-08-10    0    0    9    C     17
## 1335 1.537567e+19 2020-08-13    0    0   20    A     14
## 1336 1.537740e+19 2020-08-17    0    0    1    A    141
## 1337 1.537985e+19 2020-08-10    0    0    6    A      0
## 1338 1.538085e+18 2020-08-13    0    0    1    A     65
## 1339 1.538413e+19 2020-08-14    0    0   16    C      0
## 1340 1.538475e+19 2020-08-16    0    0    1    A     54
## 1341 1.539735e+19 2020-08-14    0    0   12    C      0
## 1342 1.539788e+19 2020-08-15    0    0    2    A     31
## 1343 1.540569e+19 2020-08-17    0    0   21    C    166
## 1344 1.541256e+19 2020-08-18    0    0    9    G    153
## 1345 1.541312e+19 2020-08-15    0    0    3    A      0
## 1346 1.541353e+19 2020-08-10    0    0    3    D     81
## 1347 1.542684e+19 2020-08-10    0    0    3    A     45
## 1348 1.543048e+19 2020-08-15    0    0   62    A     13
## 1349 1.544019e+19 2020-08-12    0    0    1    A      0
## 1350 1.544290e+19 2020-08-10    0    0   18    D     81
## 1351 1.544595e+19 2020-08-20    0    0    6    B      0
## 1352 1.544653e+19 2020-08-10    0    0    2    A      0
## 1353 1.547244e+19 2020-08-11    0    0   11    A    109
## 1354 1.547246e+19 2020-08-15    0    0    4    B      0
## 1355 1.547768e+19 2020-08-19    0    0    1    E      0
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## 1356 1.548169e+19 2020-08-13        0      0      6      D      52
## 1357 1.549119e+19 2020-08-14        0      0      2      B      75
## 1358 1.549910e+19 2020-08-17        0      0      6      A      38
## 1359 1.550265e+19 2020-08-18        0      0     29   <NA>       0
## 1360 1.552045e+19 2020-08-13        0      0      1      A      14
## 1361 1.552491e+19 2020-08-13        0      0      1      A      14
## 1362 1.552625e+18 2020-08-20        0      0      1      A      26
## 1363 1.553201e+19 2020-08-18        1   1529     39      A       0
## 1364 1.553966e+18 2020-08-18        1   1299     16      A      28
## 1365 1.554016e+19 2020-08-13        0      0      4      D      38
## 1366 1.554073e+19 2020-08-17        0      0      5      A       0
## 1367 1.554914e+19 2020-08-15        0      0      8      A       0
## 1368 1.554939e+19 2020-08-17        0      0      2      A       0
## 1369 1.555393e+19 2020-08-19        0      0     11      A       0
## 1370 1.555841e+19 2020-08-16        0      0     16      B      49
## 1371 1.556289e+19 2020-08-19        0      0     11      A      51
## 1372 1.556359e+19 2020-08-16        1    999      7      F      49
## 1373 1.556949e+19 2020-08-13        0      0     25      A       0
## 1374 1.558554e+18 2020-08-13        0      0     17      B      52
## 1375 1.559146e+19 2020-08-17        0      0      3      C       0
## 1376 1.559269e+19 2020-08-16        0      0     15      F     104
## 1377 1.559336e+19 2020-08-17        0      0      8      A      10
## 1378 1.559341e+19 2020-08-11        0      0      1      A       0
## 1379 1.560619e+19 2020-08-16        0      0      9      D      35
## 1380 1.560821e+19 2020-08-20        0      0      2      A      35
## 1381 1.561492e+19 2020-08-14        0      0      1      A      41
## 1382 1.561901e+19 2020-08-18        0      0      1      A     101
## 1383 1.562993e+19 2020-08-10        0      0      4   <NA>      17
## 1384 1.563278e+18 2020-08-16        0      0      7      A       0
## 1385 1.563400e+19 2020-08-10        0      0     16      F       0
## 1386 1.563711e+19 2020-08-11        0      0     17      D       0
## 1387 1.564170e+19 2020-08-20        0      0      3      B       0
## 1388 1.565191e+19 2020-08-16        0      0     14      F       0
## 1389 1.566284e+19 2020-08-12        0      0     22      D      53
## 1390 1.566571e+19 2020-08-12        0      0     16      B       0
## 1391 1.566629e+19 2020-08-14        0      0      6      A       0
## 1392 1.566948e+19 2020-08-13        0      0      1      A       0
## 1393 1.567341e+19 2020-08-16        0      0      3      D      65
## 1394 1.567427e+19 2020-08-13        0      0     11      A      65
## 1395 1.567556e+18 2020-08-17        0      0     18      A       0
## 1396 1.567615e+19 2020-08-20        0      0     54      C     208
## 1397 1.567968e+19 2020-08-13        0      0      1      A      16
## 1398 1.568608e+19 2020-08-18        0      0      2      A       0
## 1399 1.568806e+18 2020-08-14        0      0      3      D      95
## 1400 1.570357e+19 2020-08-16        0      0      6      C       0
## 1401 1.570687e+19 2020-08-17        0      0      5   <NA>       0
## 1402 1.571204e+19 2020-08-15        0      0     34      A      65
## 1403 1.571856e+19 2020-08-14        0      0     20      A       0
## 1404 1.572801e+19 2020-08-20        0      0      2      G      45
## 1405 1.572880e+19 2020-08-12        0      0     21      A      15
## 1406 1.573157e+19 2020-08-20        0      0     33      A      35
## 1407 1.573953e+19 2020-08-17        0      0      7      A      38
## 1408 1.574649e+18 2020-08-13        0      0      1      C       0
## 1409 1.575209e+19 2020-08-14        0      0      1      A      51
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## 1410 1.576425e+19 2020-08-15        0      0      1        D      0
## 1411 1.577533e+18 2020-08-15        0      0      9        A     40
## 1412 1.577675e+19 2020-08-16        0      0      7        G    155
## 1413 1.578594e+18 2020-08-20        0      0     10        A     50
## 1414 1.579260e+19 2020-08-12        1    669     26        C      3
## 1415 1.580612e+19 2020-08-15        0      0      2        F     50
## 1416 1.581220e+18 2020-08-18        0      0      1        C      0
## 1417 1.581312e+19 2020-08-15        0      0      7        G    156
## 1418 1.581767e+19 2020-08-18        0      0      4        A     52
## 1419 1.582125e+19 2020-08-12        0      0      1        G     39
## 1420 1.582478e+19 2020-08-13        0      0      3        A      0
## 1421 1.582534e+19 2020-08-10        0      0      1        D      0
## 1422 1.582863e+19 2020-08-11        0      0      3        A      0
## 1423 1.584647e+19 2020-08-16        1    739    183        C      0
## 1424 1.584695e+19 2020-08-12        0      0      6        A      0
## 1425 1.585089e+18 2020-08-19        0      0      5        A     51
## 1426 1.585758e+19 2020-08-17        0      0      8        A      0
## 1427 1.585823e+19 2020-08-13        0      0     46        A     15
## 1428 1.586442e+19 2020-08-16        0      0      4        A     11
## 1429 1.586678e+18 2020-08-12        0      0      1        F     17
## 1430 1.586807e+18 2020-08-18        0      0      3        A     28
## 1431 1.586924e+19 2020-08-19        0      0     13        A      0
## 1432 1.587237e+19 2020-08-18        0      0      1        D      0
## 1433 1.587304e+19 2020-08-18        0      0      5        A      0
## 1434 1.587949e+19 2020-08-19        0      0     12        D     81
## 1435 1.588116e+19 2020-08-18        0      0      5        A      0
## 1436 1.588829e+19 2020-08-17        0      0      1        G     72
## 1437 1.588968e+19 2020-08-11        0      0      2        A     44
## 1438 1.588982e+19 2020-08-18        0      0      1     <NA>      0
## 1439 1.589044e+19 2020-08-16        0      0      6        A      0
## 1440 1.589257e+19 2020-08-12        0      0      1        A     17
## 1441 1.589468e+19 2020-08-10        0      0      4        D     43
## 1442 1.590179e+19 2020-08-17        0      0      8        B     34
## 1443 1.590327e+19 2020-08-11        0      0     44        A      0
## 1444 1.591271e+19 2020-08-10        0      0      2        A     19
## 1445 1.591273e+19 2020-08-12        0      0      6        C     59
## 1446 1.592413e+19 2020-08-15        1    899     24        C      0
## 1447 1.592476e+19 2020-08-17        0      0      2        D     32
## 1448 1.593123e+19 2020-08-11        0      0      1        A      0
## 1449 1.593317e+19 2020-08-17        0      0      1        A     29
## 1450 1.593906e+19 2020-08-11        0      0      9        C    208
## 1451 1.593961e+19 2020-08-16        0      0     16        D     33
## 1452 1.594223e+19 2020-08-11        0      0      1        A     44
## 1453 1.594241e+19 2020-08-12        0      0      1        A     91
## 1454 1.595126e+18 2020-08-12        0      0     30        B      0
## 1455 1.595971e+19 2020-08-19        0      0      2        A      8
## 1456 1.596202e+19 2020-08-17        0      0      3        F     32
## 1457 1.596589e+19 2020-08-17        0      0      2        B      0
## 1458 1.596746e+19 2020-08-15        0      0      1        A     65
## 1459 1.597726e+19 2020-08-13        0      0      1        A     62
## 1460 1.597820e+19 2020-08-15        0      0     48        A      0
## 1461 1.598939e+19 2020-08-15        0      0      2        A      0
## 1462 1.598956e+17 2020-08-14        0      0     12        A      0
## 1463 1.598971e+19 2020-08-14        0      0      1     <NA>      0
```

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## 1464 1.599218e+19 2020-08-14      0      0      5      A    132
## 1465 1.599861e+18 2020-08-10      0      0      2      A      0
## 1466 1.600176e+19 2020-08-19      0      0      8      A      0
## 1467 1.600751e+19 2020-08-10      0      0      2      A      0
## 1468 1.602071e+19 2020-08-11      0      0      1      A     92
## 1469 1.602408e+19 2020-08-18      0      0      8      A      0
## 1470 1.602439e+19 2020-08-14      0      0      1      F     85
## 1471 1.602842e+19 2020-08-13      0      0      8      B      0
## 1472 1.604107e+19 2020-08-16      0      0     10      D    155
## 1473 1.604339e+19 2020-08-20      0      0      2      A     29
## 1474 1.604653e+19 2020-08-10      0      0      4      A     91
## 1475 1.605741e+19 2020-08-18      0      0      4      C      0
## 1476 1.605899e+19 2020-08-15      0      0      1      A     62
## 1477 1.606126e+19 2020-08-19      0      0      1      C      0
## 1478 1.606514e+19 2020-08-11      0      0      4      A      0
## 1479 1.606889e+19 2020-08-14      0      0     42      A      0
## 1480 1.607085e+17 2020-08-16      0      0      3      A     11
## 1481 1.607114e+19 2020-08-14      0      0     10      A     13
## 1482 1.607302e+19 2020-08-10      0      0     32      B    223
## 1483 1.608007e+19 2020-08-17      0      0      2      D      0
## 1484 1.608675e+19 2020-08-12      0      0      5      C      0
## 1485 1.609097e+19 2020-08-11      0      0      6      C      0
## 1486 1.610146e+19 2020-08-11      0      0      1      F     68
## 1487 1.610189e+19 2020-08-16      0      0      4      A      0
## 1488 1.610591e+19 2020-08-11      0      0     36      B    223
## 1489 1.610647e+19 2020-08-11      0      0      5      C      0
## 1490 1.611107e+19 2020-08-18      0      0     45      A      0
## 1491 1.611837e+19 2020-08-11      0      0      1      A      0
## 1492 1.611923e+18 2020-08-17      0      0      1      A     53
## 1493 1.612478e+19 2020-08-17      0      0     20      F     34
## 1494 1.612524e+19 2020-08-12      0      0      3      A      0
## 1495 1.613006e+19 2020-08-16      0      0      2      A    141
## 1496 1.613813e+19 2020-08-11      0      0      3      A      0
## 1497 1.614035e+19 2020-08-12      0      0      1      G     53
## 1498 1.614110e+19 2020-08-15      0      0      1      A      0
## 1499 1.614113e+19 2020-08-20      0      0      4      A      0
## 1500 1.614464e+19 2020-08-12      0      0      2      D     97
## 1501 1.615427e+19 2020-08-16      0      0      2      A     54
## 1502 1.615562e+19 2020-08-14      0      0     10      B     37
## 1503 1.615827e+19 2020-08-17      0      0     13      C     34
## 1504 1.616901e+19 2020-08-11      1    939     25      C      0
## 1505 1.616927e+18 2020-08-16      0      0     16      C      0
## 1506 1.616936e+19 2020-08-14      0      0      3      A      0
## 1507 1.618605e+19 2020-08-17      0      0      1      D      0
## 1508 1.619069e+19 2020-08-16      0      0     14      C      0
## 1509 1.621740e+19 2020-08-19      0      0      2      A     51
## 1510 1.622224e+19 2020-08-20      0      0      7      A    100
## 1511 1.622377e+19 2020-08-15      0      0     18      C      0
## 1512 1.622615e+19 2020-08-19      0      0      7      E      0
## 1513 1.623742e+19 2020-08-20      0      0      1      A     35
## 1514 1.624191e+19 2020-08-14      0      0      4      A    106
## 1515 1.624387e+19 2020-08-12      0      0      1      A      0
## 1516 1.624862e+18 2020-08-18      0      0      5      A    141
## 1517 1.625210e+19 2020-08-12      1    349     14      C      0
```

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## 1518 1.625441e+19 2020-08-18      0      0      4      A      0
## 1519 1.625593e+19 2020-08-11      0      0      1      B     42
## 1520 1.625972e+19 2020-08-19      0      0      4   <NA>     27
## 1521 1.626102e+19 2020-08-14      0      0      6      C    208
## 1522 1.626190e+19 2020-08-15      0      0      1      F    141
## 1523 1.626431e+19 2020-08-17      0      0      1      A      0
## 1524 1.626511e+19 2020-08-15      0      0      8      D    108
## 1525 1.627465e+19 2020-08-19      0      0      5      A     36
## 1526 1.627495e+19 2020-08-18      0      0      6      C     71
## 1527 1.627528e+19 2020-08-19      0      0      1      G     32
## 1528 1.628010e+19 2020-08-10      0      0     10      F     55
## 1529 1.628755e+19 2020-08-20      0      0      4      A      0
## 1530 1.629157e+19 2020-08-16      0      0     18      C     49
## 1531 1.629238e+18 2020-08-12      0      0      6      A      0
## 1532 1.631268e+19 2020-08-20      0      0      3      C     69
## 1533 1.632382e+19 2020-08-19      0      0      4      F     77
## 1534 1.632636e+19 2020-08-12      0      0      1      F     87
## 1535 1.632685e+18 2020-08-18      0      0      8      A     37
## 1536 1.632900e+19 2020-08-13      0      0      8      C    208
## 1537 1.633072e+19 2020-08-15      0      0     33      A     12
## 1538 1.633174e+19 2020-08-14      0      0      3      A     65
## 1539 1.633801e+19 2020-08-12      0      0     14      A      0
## 1540 1.634706e+19 2020-08-16      0      0     41      A     12
## 1541 1.635516e+19 2020-08-20      0      0      6      G     31
## 1542 1.635657e+19 2020-08-17      0      0      4      D     72
## 1543 1.636419e+19 2020-08-15      0      0     10      A     65
## 1544 1.637044e+19 2020-08-17      0      0      4      A     53
## 1545 1.637469e+19 2020-08-12      0      0     20      B      0
## 1546 1.637761e+19 2020-08-19      1    419     12      A     30
## 1547 1.638137e+19 2020-08-12      0      0      3      A     43
## 1548 1.638194e+18 2020-08-19      0      0      4      A      0
## 1549 1.638795e+19 2020-08-13      0      0      5      A      0
## 1550 1.638891e+19 2020-08-11      0      0      6      A      0
## 1551 1.639102e+19 2020-08-20      0      0      5      A     29
## 1552 1.639259e+19 2020-08-14      0      0     12      C      2
## 1553 1.639854e+19 2020-08-16      0      0      1      A    141
## 1554 1.640095e+19 2020-08-16      0      0      3      A     54
## 1555 1.640559e+19 2020-08-11      0      0      3      A     18
## 1556 1.641893e+19 2020-08-20      0      0      3      C      0
## 1557 1.643669e+19 2020-08-17      0      0     33      A      0
## 1558 1.644820e+19 2020-08-20      0      0      1      G     69
## 1559 1.645346e+19 2020-08-12      0      0      5      C     53
## 1560 1.645430e+19 2020-08-13      0      0     17      B      2
## 1561 1.645972e+19 2020-08-16      0      0      2      C      0
## 1562 1.646484e+19 2020-08-11      0      0      3      B      0
## 1563 1.647102e+19 2020-08-15      0      0     42      B     50
## 1564 1.647105e+19 2020-08-12      0      0      8      F      0
## 1565 1.647389e+18 2020-08-14      0      0      2      A      0
## 1566 1.648130e+19 2020-08-20      0      0      1      A     26
## 1567 1.648348e+19 2020-08-14      0      0     21      A      0
## 1568 1.648369e+19 2020-08-18      0      0      8      A     37
## 1569 1.648648e+19 2020-08-16      0      0     12      A      0
## 1570 1.649819e+19 2020-08-12      0      0     18      B      3
## 1571 1.650575e+19 2020-08-16      0      0     13      C     55
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## 1572 1.650690e+19 2020-08-19      0    0    1    A     51
## 1573 1.652028e+19 2020-08-16      0    0    3    A     30
## 1574 1.652273e+19 2020-08-14      0    0   17    F      0
## 1575 1.652555e+19 2020-08-11      1  599   47    C     42
## 1576 1.654323e+19 2020-08-20      0    0    3    A      0
## 1577 1.654952e+19 2020-08-19      0    0   15    B     62
## 1578 1.655350e+19 2020-08-20      0    0    8    A     35
## 1579 1.655431e+19 2020-08-18      0    0   50    F     47
## 1580 1.655993e+19 2020-08-12      0    0    1    D     59
## 1581 1.656561e+19 2020-08-16      0    0    4    A     30
## 1582 1.656805e+19 2020-08-14      0    0    7    A      0
## 1583 1.657429e+19 2020-08-18      0    0    3    E    128
## 1584 1.658182e+19 2020-08-20      0    0    1    A      0
## 1585 1.658735e+19 2020-08-19      0    0    4    A      0
## 1586 1.659340e+19 2020-08-14      0    0    2    A     65
## 1587 1.659649e+19 2020-08-18      0    0    3    C      9
## 1588 1.659930e+19 2020-08-18      0    0    2    C      9
## 1589 1.660231e+19 2020-08-18      0    0    5    A      9
## 1590 1.660727e+19 2020-08-19      0    0    1    A     36
## 1591 1.661418e+19 2020-08-14      0    0    2    A     15
## 1592 1.661476e+19 2020-08-16      0    0   10    A     62
## 1593 1.661502e+19 2020-08-19      0    0   17    A      0
## 1594 1.662696e+19 2020-08-19      0    0    4    D      0
## 1595 1.662800e+19 2020-08-14      0    0    7    B     57
## 1596 1.662881e+19 2020-08-14      0    0    2    D     51
## 1597 1.663644e+18 2020-08-19      0    0    2    A      0
## 1598 1.664446e+19 2020-08-11      0    0    2    A     62
## 1599 1.664977e+19 2020-08-14      0    0    2    B    141
## 1600 1.665202e+19 2020-08-12      0    0   11    A     89
## 1601 1.665244e+19 2020-08-17      0    0   17 <NA>     0
## 1602 1.665333e+19 2020-08-13      0    0    1    A      0
## 1603 1.665636e+19 2020-08-20      0    0    7    A     35
## 1604 1.665862e+19 2020-08-11      0    0    1    F     44
## 1605 1.666383e+19 2020-08-16      0    0    1 <NA>     0
## 1606 1.666812e+19 2020-08-19      0    0    3    A      0
## 1607 1.667138e+19 2020-08-18      0    0   16    A     52
## 1608 1.667336e+19 2020-08-17      0    0    3    A    141
## 1609 1.667548e+19 2020-08-18      0    0    8    A      0
## 1610 1.667659e+19 2020-08-11      0    0    3    E      0
## 1611 1.667861e+19 2020-08-12      0    0    4    A     15
## 1612 1.668526e+19 2020-08-14      0    0    5    A      0
## 1613 1.669149e+19 2020-08-12      0    0   68    A      0
## 1614 1.669781e+19 2020-08-20      0    0    3    A      0
## 1615 1.670078e+19 2020-08-12      0    0    8    A      0
## 1616 1.670259e+19 2020-08-11      3 2217  153    C      0
## 1617 1.670451e+19 2020-08-11      0    0   30    A     92
## 1618 1.671670e+19 2020-08-10      0    0   10    A     45
## 1619 1.672439e+19 2020-08-15      0    0    2    D     65
## 1620 1.672465e+17 2020-08-10      0    0    1    A      0
## 1621 1.672972e+19 2020-08-15      0    0    2    B      0
## 1622 1.673521e+19 2020-08-17      0    0    1    E      0
## 1623 1.673758e+19 2020-08-15      0    0    2    G      0
## 1624 1.675124e+18 2020-08-20      0    0    5 <NA>    81
## 1625 1.675450e+19 2020-08-11      0    0    2    D      0
```

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## 1626 1.676388e+19 2020-08-19       0       0       4          A          0
## 1627 1.676416e+19 2020-08-12       0       0      12          C         39
## 1628 1.676688e+19 2020-08-19       1    1149      28          A          0
## 1629 1.677468e+19 2020-08-15       0       0      25          C          0
## 1630 1.678531e+19 2020-08-19       0       0       1          A         36
## 1631 1.679721e+19 2020-08-16       0       0      14       <NA>          0
## 1632 1.679752e+19 2020-08-11       0       0      10          A          0
## 1633 1.680498e+19 2020-08-20       0       0      40          A         26
## 1634 1.680520e+19 2020-08-19       0       0      11          A          0
## 1635 1.680663e+19 2020-08-17       0       0       3          A         38
## 1636 1.681295e+19 2020-08-17       0       0      23          C          0
## 1637 1.681904e+19 2020-08-20       0       0       4          A          0
## 1638 1.682205e+18 2020-08-19       0       0       7          A          0
## 1639 1.682406e+19 2020-08-19       0       0       1          A         30
## 1640 1.683146e+19 2020-08-12       0       0       1       <NA>          0
## 1641 1.683508e+19 2020-08-19       0       0       4          A         51
## 1642 1.683530e+19 2020-08-14       0       0       4          D        157
## 1643 1.684081e+19 2020-08-19       0       0       2          E          0
## 1644 1.684298e+19 2020-08-10       0       0       1          C          0
## 1645 1.684729e+19 2020-08-14       0       0       2          A         87
## 1646 1.686156e+19 2020-08-10       0       0       1          A          0
## 1647 1.686357e+19 2020-08-14       0       0      28          B        223
## 1648 1.686402e+19 2020-08-20       0       0       4          B         81
## 1649 1.686481e+19 2020-08-19       0       0      14          C          0
## 1650 1.686587e+19 2020-08-14       0       0       1          A         41
## 1651 1.687220e+19 2020-08-20       0       0       6          A          0
## 1652 1.687326e+19 2020-08-15       0       0       4          D          0
## 1653 1.687836e+19 2020-08-18       0       0       3          A          0
## 1654 1.687942e+19 2020-08-12       0       0       4          D        159
## 1655 1.688494e+19 2020-08-11       0       0      25          F         40
## 1656 1.688865e+19 2020-08-18       0       0       4       <NA>         81
## 1657 1.689405e+19 2020-08-10       0       0      12          B          0
## 1658 1.689650e+19 2020-08-11       0       0       4          D          0
## 1659 1.690245e+19 2020-08-18       0       0       2          F         31
## 1660 1.690344e+19 2020-08-17       0       0      65          A         53
## 1661 1.690604e+19 2020-08-19       0       0       1          A         51
## 1662 1.691246e+19 2020-08-16       0       0      61          A         54
## 1663 1.691554e+19 2020-08-20       0       0       5          A          8
## 1664 1.692214e+19 2020-08-13       0       0       3          G         52
## 1665 1.692526e+19 2020-08-11       0       0       7          A          0
## 1666 1.693342e+18 2020-08-16       0       0      30          A         12
## 1667 1.693610e+19 2020-08-18       0       0       3          A          0
## 1668 1.693628e+19 2020-08-12       0       0      48          A         43
## 1669 1.693815e+19 2020-08-13       0       0       1          E          0
## 1670 1.694439e+19 2020-08-18       0       0       1          B        141
## 1671 1.695853e+19 2020-08-17       0       0       1          A         11
## 1672 1.695901e+19 2020-08-20       0       0       2          C         45
## 1673 1.695935e+19 2020-08-19       0       0       1          G         70
## 1674 1.696841e+19 2020-08-20       0       0       3          G         45
## 1675 1.697080e+19 2020-08-13       0       0       9          C        208
## 1676 1.697915e+19 2020-08-19       0       0       2          A        141
## 1677 1.698180e+19 2020-08-11       0       0       2          A         44
## 1678 1.698493e+18 2020-08-15       0       0       1          A         31
## 1679 1.698783e+19 2020-08-14       0       0       1          A          0
```

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## 1680 1.698791e+19 2020-08-14     0     0    4       A    62
## 1681 1.698902e+19 2020-08-16     0     0   10       A    30
## 1682 1.699739e+19 2020-08-13     0     0    6       C    81
## 1683 1.699742e+19 2020-08-10     0     0   27       A     0
## 1684 1.701793e+19 2020-08-20     0     0   16       A     0
## 1685 1.701827e+19 2020-08-20     0     0    1       A     8
## 1686 1.701926e+19 2020-08-20     0     0    1       B     0
## 1687 1.702531e+19 2020-08-20     0     0    1       A     0
## 1688 1.703513e+19 2020-08-17     0     0    3       A     0
## 1689 1.703617e+19 2020-08-19     0     0    1       A    51
## 1690 1.704371e+19 2020-08-18     0     0    2       A     0
## 1691 1.704372e+19 2020-08-12     0     0   26       C     0
## 1692 1.704673e+19 2020-08-10     0     0   10    <NA>     0
## 1693 1.704720e+19 2020-08-17     0     0   56       A    29
## 1694 1.705137e+19 2020-08-13     0     0    8       A    42
## 1695 1.707267e+19 2020-08-11     0     0   27       C     0
## 1696 1.708112e+19 2020-08-18     1  1269    5       G    33
## 1697 1.708126e+19 2020-08-17     0     0    9       A    62
## 1698 1.708173e+19 2020-08-14     0     0    2       A    13
## 1699 1.708262e+19 2020-08-15     0     0   11       A    40
## 1700 1.708508e+19 2020-08-17     0     0    1       D   141
## 1701 1.708654e+19 2020-08-13     0     0    1       A     0
## 1702 1.708758e+19 2020-08-19     0     0    9       G    46
## 1703 1.708894e+19 2020-08-11     0     0    4       C     0
## 1704 1.709348e+19 2020-08-20     0     0   12       G    69
## 1705 1.709932e+19 2020-08-20     0     0   31       A    50
## 1706 1.710818e+19 2020-08-13     0     0    2       D    87
## 1707 1.711783e+19 2020-08-10     0     0    2       A    45
## 1708 1.711840e+18 2020-08-16     0     0    2       D     0
## 1709 1.712892e+19 2020-08-13     0     0    1       A    16
## 1710 1.713684e+19 2020-08-15     0     0    4       A    65
## 1711 1.714708e+18 2020-08-17     0     0   22       A    38
## 1712 1.715343e+19 2020-08-14     0     0    1       D    86
## 1713 1.715723e+18 2020-08-11     0     0    2       A    18
## 1714 1.716085e+19 2020-08-11     0     0    8       G    54
## 1715 1.716984e+19 2020-08-13     0     0    6       G   208
## 1716 1.717016e+19 2020-08-18     0     0    3       D    33
## 1717 1.717772e+19 2020-08-10     0     0    1       A   141
## 1718 1.718602e+19 2020-08-13     0     0    6       A     0
## 1719 1.719464e+19 2020-08-16     0     0    1       B     0
## 1720 1.719880e+19 2020-08-19     0     0    4       A    30
## 1721 1.719972e+19 2020-08-18     1   796    2       D     0
## 1722 1.720956e+19 2020-08-13     0     0    1       A    16
## 1723 1.721119e+19 2020-08-11     0     0   30       A     0
## 1724 1.721565e+19 2020-08-14     0     0   16       C    13
## 1725 1.722431e+18 2020-08-14     0     0   14       C    37
## 1726 1.724379e+19 2020-08-12     0     0    1       A   108
## 1727 1.724682e+19 2020-08-15     0     0   11       A    65
## 1728 1.724841e+19 2020-08-19     0     0    5       E     9
## 1729 1.725135e+19 2020-08-15     0     0    7       A    12
## 1730 1.725328e+19 2020-08-17     0     0    1       F    32
## 1731 1.725383e+19 2020-08-12     0     0    7       E     0
## 1732 1.725431e+19 2020-08-19     0     0    9       D    70
## 1733 1.725672e+19 2020-08-18     0     0    1       A    28
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## 1734 1.725884e+19 2020-08-16        0      0      1      A       39
## 1735 1.726870e+19 2020-08-18        0      0      4      D        0
## 1736 1.727570e+19 2020-08-20        0      0      4      A       50
## 1737 1.728180e+19 2020-08-20        0      0     39      C        0
## 1738 1.728663e+19 2020-08-11        0      0      3      A        0
## 1739 1.728929e+19 2020-08-15        0      0      2      A       14
## 1740 1.729646e+18 2020-08-18        0      0      8      F       78
## 1741 1.729681e+19 2020-08-13        0      0      4   <NA>       14
## 1742 1.730425e+19 2020-08-19        0      0     59      A        0
## 1743 1.730696e+19 2020-08-16        0      0      2      A       39
## 1744 1.730794e+19 2020-08-15        0      0      6      G      108
## 1745 1.730946e+19 2020-08-10        0      0      2      D        0
## 1746 1.730952e+19 2020-08-12        0      0      5      C       53
## 1747 1.731135e+19 2020-08-19        0      0     14      F       46
## 1748 1.731181e+18 2020-08-18        0      0     65      A       52
## 1749 1.731574e+19 2020-08-17        0      0      8      C       81
## 1750 1.731879e+19 2020-08-10        0      0     16      B       41
## 1751 1.731993e+19 2020-08-15        0      0      3      A      131
## 1752 1.733195e+19 2020-08-19        0      0      6      B       81
## 1753 1.733653e+19 2020-08-15        0      0      2      A        0
## 1754 1.734331e+19 2020-08-16        0      0      1      A        0
## 1755 1.734802e+19 2020-08-20        0      0      5      A       26
## 1756 1.735589e+19 2020-08-11        0      0     66      A       90
## 1757 1.735841e+19 2020-08-10        1   1149     32      A        0
## 1758 1.736074e+19 2020-08-14        0      0     19      C       57
## 1759 1.736793e+19 2020-08-18        0      0      2      A       31
## 1760 1.736964e+19 2020-08-10        0      0     27      A       17
## 1761 1.738181e+19 2020-08-12        0      0      3      C        0
## 1762 1.738383e+19 2020-08-14        0      0      2      B       37
## 1763 1.738729e+19 2020-08-18        0      0      1      A        0
## 1764 1.739460e+19 2020-08-10        0      0      7      F        0
## 1765 1.739639e+19 2020-08-19        0      0      5      A       27
## 1766 1.741393e+19 2020-08-15        0      0     17      G      156
## 1767 1.742790e+19 2020-08-14        0      0      5      D       41
## 1768 1.743300e+19 2020-08-12        0      0     12      A       15
## 1769 1.743637e+19 2020-08-14        0      0      2      D        0
## 1770 1.743656e+19 2020-08-15        0      0      6      A        0
## 1771 1.743743e+19 2020-08-18        0      0     10      A        0
## 1772 1.744208e+19 2020-08-11        0      0      4      A        0
## 1773 1.744248e+19 2020-08-16        0      0     23      A       54
## 1774 1.745681e+19 2020-08-18        0      0     13      C        0
## 1775 1.746410e+19 2020-08-15        0      0     12      C       50
## 1776 1.746815e+19 2020-08-16        0      0      5      G       84
## 1777 1.749294e+19 2020-08-19        0      0     10      A       70
## 1778 1.749354e+19 2020-08-10        0      0     14      A       43
## 1779 1.750197e+19 2020-08-14        0      0     28      A       14
## 1780 1.750368e+19 2020-08-15        0      0      1      A       50
## 1781 1.750462e+19 2020-08-11        0      0      5      A      135
## 1782 1.750601e+19 2020-08-18        0      0      6   <NA>       81
## 1783 1.750912e+19 2020-08-17        0      0      3      D        0
## 1784 1.750946e+18 2020-08-13        0      0      7   <NA>        2
## 1785 1.752572e+17 2020-08-12        0      0      8      C        0
## 1786 1.752899e+19 2020-08-17        0      0      4      A       32
## 1787 1.753161e+19 2020-08-20        0      0      1      A        0
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## 1788 1.753443e+18 2020-08-15          0     0     3       A      12
## 1789 1.753651e+19 2020-08-17          0     0     5       D       0
## 1790 1.753708e+19 2020-08-13          0     0     1       A       0
## 1791 1.754323e+19 2020-08-13          0     0     4       A       0
## 1792 1.755425e+19 2020-08-16          0     0    37       B      35
## 1793 1.755736e+19 2020-08-15          0     0     3    <NA>      81
## 1794 1.755803e+19 2020-08-17          0     0    60       B      34
## 1795 1.755839e+19 2020-08-20          0     0     1       A      35
## 1796 1.756981e+19 2020-08-12          0     0     5       A       0
## 1797 1.758122e+19 2020-08-18          0     0     6       A       0
## 1798 1.758223e+18 2020-08-20          0     0    10       C      81
## 1799 1.758723e+19 2020-08-16          0     0     5       G      35
## 1800 1.759129e+18 2020-08-19          0     0     6       A     127
## 1801 1.759520e+18 2020-08-17          0     0     5       C       0
## 1802 1.760415e+19 2020-08-11          0     0     6       D      40
## 1803 1.761692e+19 2020-08-13          0     0    11       C       0
## 1804 1.761742e+19 2020-08-10          0     0     1       A       0
## 1805 1.762288e+19 2020-08-10          0     0     1       A      19
## 1806 1.763064e+19 2020-08-20          0     0    14       C       0
## 1807 1.763451e+19 2020-08-19          0     0     1       A       8
## 1808 1.763611e+19 2020-08-16          0     0     1       A      49
## 1809 1.764015e+19 2020-08-17          0     0     2       C       0
## 1810 1.764591e+19 2020-08-20          0     0     1       A       0
## 1811 1.765670e+19 2020-08-13          0     0     2       G      52
## 1812 1.766378e+19 2020-08-10          0     0    16       A     141
## 1813 1.766624e+19 2020-08-13          0     0    13       A       0
## 1814 1.768223e+19 2020-08-16          0     0    30       C      81
## 1815 1.768657e+19 2020-08-20          0     0    26       B      62
## 1816 1.768921e+19 2020-08-11          0     0    12       A      16
## 1817 1.769024e+19 2020-08-10          0     0     1       A      17
## 1818 1.769896e+19 2020-08-10          0     0     3       A      18
## 1819 1.769932e+19 2020-08-12          0     0     4       B       0
## 1820 1.770017e+19 2020-08-20          0     0     1       A       7
## 1821 1.770187e+19 2020-08-11          0     0     4       F       0
## 1822 1.770314e+19 2020-08-11          0     0     5       A       0
## 1823 1.770802e+19 2020-08-20          0     0     6       C       0
## 1824 1.771724e+18 2020-08-20          0     0     2       A       0
## 1825 1.772106e+19 2020-08-17          0     0     1       A      29
## 1826 1.772221e+19 2020-08-16          0     0    28       F      35
## 1827 1.772664e+19 2020-08-13          0     0     1       A       0
## 1828 1.772875e+19 2020-08-18          0     0     7       A      37
## 1829 1.773625e+19 2020-08-11          0     0     3       A     109
## 1830 1.773884e+19 2020-08-13          0     0     2       A       0
## 1831 1.774887e+18 2020-08-15          0     0     3       A     105
## 1832 1.775795e+19 2020-08-19          0     0    12       A      51
## 1833 1.777010e+19 2020-08-16          0     0     3       E       0
## 1834 1.777518e+19 2020-08-15          0     0     5       A       0
## 1835 1.777750e+18 2020-08-13          0     0    35       A       0
## 1836 1.778964e+19 2020-08-18          0     0     1       G     223
## 1837 1.779287e+19 2020-08-17          0     0     7       A      29
## 1838 1.779969e+19 2020-08-16          0     0    13       A       0
## 1839 1.779986e+19 2020-08-17          0     0     2       A       0
## 1840 1.780107e+19 2020-08-12          0     0     3       G      53
## 1841 1.780213e+19 2020-08-17          0     0     3       A       0
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## 1842 1.783061e+19 2020-08-15    0    0    4    A    14
## 1843 1.783219e+19 2020-08-13    1 2029    2    A    42
## 1844 1.783425e+19 2020-08-16    0    0    3    A    54
## 1845 1.785300e+19 2020-08-19    1 1929   14    A    27
## 1846 1.785371e+19 2020-08-15    0    0    3    A    12
## 1847 1.785830e+19 2020-08-17    0    0   53    A     0
## 1848 1.787131e+19 2020-08-10    0    0   15    A   136
## 1849 1.787639e+18 2020-08-18    0    0    7    A    71
## 1850 1.787639e+19 2020-08-16    0    0   17    F     0
## 1851 1.788311e+19 2020-08-12    0    0    1 <NA>   15
## 1852 1.788726e+19 2020-08-11    0    0    5    G    81
## 1853 1.789172e+19 2020-08-20    0    0   48    A    50
## 1854 1.789198e+19 2020-08-14    0    0    6    A    62
## 1855 1.789500e+19 2020-08-18    0    0    2    A    52
## 1856 1.790746e+19 2020-08-18    0    0   16    B   223
## 1857 1.791466e+19 2020-08-15    0    0    2    A     0
## 1858 1.791653e+19 2020-08-19    0    0    3    A   141
## 1859 1.791929e+19 2020-08-10    0    0    9    A    17
## 1860 1.792347e+19 2020-08-12    0    0    1    A    89
## 1861 1.793111e+19 2020-08-15    0    0    1    A     0
## 1862 1.793530e+18 2020-08-20    0    0    1    A    35
## 1863 1.793594e+19 2020-08-20    0    0   27    A     0
## 1864 1.794280e+19 2020-08-20    0    0    2    A    50
## 1865 1.794619e+19 2020-08-19    0    0   12    D   152
## 1866 1.794856e+18 2020-08-15    0    0   12    F     0
## 1867 1.795148e+18 2020-08-13    0    0   43    C   208
## 1868 1.795234e+19 2020-08-11    0    0    4    A     0
## 1869 1.795946e+19 2020-08-18    0    0   61    A    28
## 1870 1.796195e+18 2020-08-10    0    0    7    C    43
## 1871 1.796780e+18 2020-08-11    1  669   39    C     4
## 1872 1.797042e+18 2020-08-15    0    0    1    A     0
## 1873 1.797588e+19 2020-08-18    0    0    6    A     0
## 1874 1.797935e+19 2020-08-13    0    0   33    A     0
## 1875 1.798459e+19 2020-08-20    0    0    1    A    50
## 1876 1.799005e+19 2020-08-20    0    0    4    A    29
## 1877 1.799320e+19 2020-08-12    0    0    1    D     0
## 1878 1.799459e+19 2020-08-11    0    0   37    A     0
## 1879 1.799959e+19 2020-08-10    0    0    4    A     0
## 1880 1.801048e+18 2020-08-15    0    0    8    B    50
## 1881 1.801190e+19 2020-08-20    0    0    2    D    69
## 1882 1.802045e+19 2020-08-15    0    0    5    A    65
## 1883 1.802143e+18 2020-08-15    0    0    3    A     0
## 1884 1.802161e+19 2020-08-12    0    0    5    A     0
## 1885 1.804087e+19 2020-08-16    0    0    1    A   103
## 1886 1.804861e+19 2020-08-15    0    0    8    A    40
## 1887 1.805154e+19 2020-08-19    0    0    7    A   127
## 1888 1.805566e+19 2020-08-14    0    0    4    G   157
## 1889 1.805665e+19 2020-08-15    0    0    2    E     0
## 1890 1.805897e+18 2020-08-18    0    0    5    C     0
## 1891 1.806104e+19 2020-08-13    0    0   13    C     2
## 1892 1.806123e+19 2020-08-15    0    0   17    A     0
## 1893 1.806593e+19 2020-08-14    0    0    7    A     0
## 1894 1.808230e+19 2020-08-10    0    0    1    A    91
## 1895 1.808456e+19 2020-08-16    0    0   12    C    35
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## 1896 1.809749e+17 2020-08-10        0     0     10        D         0
## 1897 1.809908e+19 2020-08-10        0     0     15        B        41
## 1898 1.810372e+19 2020-08-11        0     0      2        G       223
## 1899 1.810749e+19 2020-08-12        0     0     11     <NA>         3
## 1900 1.811348e+19 2020-08-20        0     0      4        A         0
## 1901 1.811353e+19 2020-08-13        0     0      7        A         0
## 1902 1.811509e+19 2020-08-12        0     0     11        B        39
## 1903 1.811612e+19 2020-08-17        0     0      4        A        38
## 1904 1.811748e+19 2020-08-20        0     0      2        A         0
## 1905 1.811791e+19 2020-08-11        0     0      7        A        18
## 1906 1.811831e+19 2020-08-14        0     0      5        A         0
## 1907 1.811892e+19 2020-08-12        0     0      1        D         0
## 1908 1.811941e+19 2020-08-19        0     0      8        B         0
## 1909 1.813584e+19 2020-08-12        0     0     19        A         0
## 1910 1.814758e+19 2020-08-18        0     0     22        A        52
## 1911 1.814847e+19 2020-08-17        0     0      2        A        38
## 1912 1.815054e+19 2020-08-16        0     0      1        A        12
## 1913 1.815606e+18 2020-08-14        0     0      3        A        65
## 1914 1.815662e+19 2020-08-15        0     0      2        A         0
## 1915 1.815950e+19 2020-08-11        0     0     11        A         0
## 1916 1.816713e+19 2020-08-17        0     0     22        A        29
## 1917 1.816940e+19 2020-08-17        0     0     20        B        34
## 1918 1.817720e+19 2020-08-12        0     0      3        A       134
## 1919 1.818185e+19 2020-08-17        0     0      2        A        72
## 1920 1.818824e+19 2020-08-17        0     0     15        A         0
## 1921 1.818867e+19 2020-08-14        0     0      3        A        41
## 1922 1.819199e+19 2020-08-13        0     0      1        A        42
## 1923 1.821195e+19 2020-08-20        0     0     28        B        62
## 1924 1.822136e+19 2020-08-15        0     0      2        B        56
## 1925 1.822226e+19 2020-08-19        0     0      1        A         0
## 1926 1.822729e+19 2020-08-11        0     0      1        A        16
## 1927 1.824518e+19 2020-08-14        0     0      4        E         0
## 1928 1.825016e+19 2020-08-12        0     0      9        B         0
## 1929 1.826257e+19 2020-08-10        0     0     75        A        91
## 1930 1.826680e+19 2020-08-18        0     0      1        D        82
## 1931 1.826895e+19 2020-08-12        0     0     12        D        39
## 1932 1.827078e+19 2020-08-13        0     0      2        D        65
## 1933 1.827252e+19 2020-08-12        0     0      1        A        43
## 1934 1.827468e+19 2020-08-12        0     0      1        A        91
## 1935 1.827991e+18 2020-08-16        0     0      7        C        49
## 1936 1.828869e+19 2020-08-11        0     0      2        D        65
## 1937 1.829435e+19 2020-08-12        0     0      7        C        59
## 1938 1.829669e+19 2020-08-15        0     0      1        A        12
## 1939 1.830127e+19 2020-08-11        0     0     25        G        54
## 1940 1.830270e+19 2020-08-14        0     0      9        A         0
## 1941 1.830276e+19 2020-08-16        0     0      2        A        33
## 1942 1.830281e+19 2020-08-14        0     0      5        A        14
## 1943 1.831398e+19 2020-08-13        0     0     12        A         0
## 1944 1.831851e+19 2020-08-17        0     0      2        A         0
## 1945 1.832349e+19 2020-08-10        0     0      2        A        91
## 1946 1.832397e+19 2020-08-10        0     0      8        A       110
## 1947 1.832918e+19 2020-08-17        0     0     10        A         0
## 1948 1.832946e+19 2020-08-15        0     0      5        A         0
## 1949 1.833229e+19 2020-08-13        0     0      1        B       141
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## 1950 1.834199e+18 2020-08-15          0       0       4       A       62
## 1951 1.835426e+19 2020-08-19          0       0      11       C       70
## 1952 1.835750e+19 2020-08-19          0       0       5       C       70
## 1953 1.836754e+19 2020-08-17          1    1799       8       A       10
## 1954 1.836966e+19 2020-08-17          0       0       6       C      208
## 1955 1.836996e+18 2020-08-17          0       0       1       A       53
## 1956 1.837043e+19 2020-08-12          0       0       2       A        0
## 1957 1.837085e+19 2020-08-18          0       0       3       D        0
## 1958 1.837427e+19 2020-08-15          0       0       5       A       65
## 1959 1.837680e+19 2020-08-16          0       0      16       B       35
## 1960 1.838167e+19 2020-08-20          0       0      15       D       29
## 1961 1.838368e+19 2020-08-10          0       0       1       A        0
## 1962 1.839675e+19 2020-08-16          0       0       7       A        0
## 1963 1.840319e+19 2020-08-12          0       0       5       A      108
## 1964 1.840398e+19 2020-08-16          0       0       3       B        0
## 1965 1.840933e+19 2020-08-15          0       0       2       G       36
## 1966 1.841035e+19 2020-08-12          0       0       4       C      208
## 1967 1.841957e+19 2020-08-20          0       0      32       C       26
## 1968 1.842094e+19 2020-08-19          0       0       2       A        0
## 1969 1.842144e+19 2020-08-10          0       0       2       B       79
## 1970 1.843930e+19 2020-08-12          0       0       1       D       81
## 1971 1.844110e+19 2020-08-17          1    1339      12       G       72
## 1972 1.846093e+18 2020-08-17          0       0      54       A        0
## 1973 1.856906e+18 2020-08-13          0       0      10       A       16
## 1974 1.857100e+18 2020-08-11          0       0       5       B       40
## 1975 1.857462e+18 2020-08-11          0       0       5       B      208
## 1976 1.862611e+18 2020-08-10          0       0      13       D      100
## 1977 1.864081e+18 2020-08-12          0       0       1       A        0
## 1978 1.865410e+18 2020-08-15          0       0       2       A        0
## 1979 1.875881e+18 2020-08-20          0       0       3       A       26
## 1980 1.883947e+18 2020-08-10          0       0       2       A        0
## 1981 1.891443e+18 2020-08-16          0       0      10       A        0
## 1982 1.894905e+18 2020-08-16          0       0       1       A        0
## 1983 1.895888e+17 2020-08-11          0       0       3       A        0
## 1984 1.897011e+18 2020-08-18          0       0      36       A        0
## 1985 1.898465e+18 2020-08-14          0       0       1       A      132
## 1986 1.898746e+18 2020-08-13          0       0       1       A        0
## 1987 1.901681e+18 2020-08-14          0       0       1       F       15
## 1988 1.907724e+17 2020-08-16          0       0       6       A       54
## 1989 1.915457e+18 2020-08-16          0       0       3       C        0
## 1990 1.930714e+18 2020-08-18          0       0       7       D       65
## 1991 1.931236e+18 2020-08-13          0       0      24       A        0
## 1992 1.932755e+18 2020-08-13          0       0       3       B      208
## 1993 1.941531e+18 2020-08-20          0       0       2       B       69
## 1994 1.944990e+18 2020-08-17          0       0      48       F       34
## 1995 1.961767e+18 2020-08-12          0       0       2       A       91
## 1996 1.962205e+17 2020-08-20          0       0      10       D        0
## 1997 1.969823e+18 2020-08-11          0       0       2       C        0
## 1998 1.973436e+18 2020-08-16          0       0      23       C       35
## 1999 1.983784e+18 2020-08-14          0       0       8       A        0
## 2000 1.986991e+18 2020-08-11          0       0       8       C        0
## 2001 1.988789e+17 2020-08-19          0       0       1       A        0
## 2002 1.990561e+18 2020-08-14          0       0       4       A       41
## 2003 1.991598e+18 2020-08-18          1     989      48       A        0
```

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## 2004 1.999106e+18 2020-08-18      0      0      2      D      0
## 2005 2.398917e+18 2020-08-13      0      0      7      B     38
## 2006 2.454450e+18 2020-08-14      0      0      3      A      0
## 2007 2.964428e+18 2020-08-16      0      0     22      A     39
## 2008 2.003800e+18 2020-08-18      0      0     14      C     33
## 2009 2.006410e+18 2020-08-18      0      0      2      A      0
## 2010 2.006415e+18 2020-08-16      0      0      1      A     33
## 2011 2.009111e+18 2020-08-19      0      0      4      A     27
## 2012 2.019067e+18 2020-08-20      0      0      5      B     69
## 2013 2.028069e+18 2020-08-14      0      0      3      A     62
## 2014 2.028259e+18 2020-08-17      0      0      4      A      0
## 2015 2.033801e+18 2020-08-20      0      0      4      C     31
## 2016 2.034863e+16 2020-08-17      0      0      3      C     72
## 2017 2.036459e+18 2020-08-12      0      0      1      A     15
## 2018 2.037812e+18 2020-08-20      0      0      1      A     50
## 2019 2.039611e+18 2020-08-11      1    599     34      B     40
## 2020 2.043822e+18 2020-08-13      0      0      7      D     81
## 2021 2.046883e+18 2020-08-18      0      0     31      A      0
## 2022 2.048152e+18 2020-08-12      0      0      2      A      0
## 2023 2.048351e+18 2020-08-12      0      0     81      A      0
## 2024 2.051039e+18 2020-08-16      0      0     11      B     35
## 2025 2.052889e+18 2020-08-17      0      0      5      A      0
## 2026 2.053234e+18 2020-08-15      1    859      1      A      0
## 2027 2.070095e+18 2020-08-12      0      0     10      B      0
## 2028 2.074640e+18 2020-08-15      0      0     10      A      0
## 2029 2.074781e+18 2020-08-20      0      0      8      F      0
## 2030 2.079815e+18 2020-08-19      0      0     21      C     60
## 2031 2.085788e+18 2020-08-13      0      0      3      A     16
## 2032 2.091476e+18 2020-08-20      0      0      2      G     69
## 2033 2.102400e+18 2020-08-19      0      0      1      A      0
## 2034 2.108923e+18 2020-08-19      0      0     13      A      0
## 2035 2.111130e+18 2020-08-17      0      0      3      A     38
## 2036 2.114245e+18 2020-08-19      0      0      1      D      0
## 2037 2.122742e+18 2020-08-10      0      0     74      C    208
## 2038 2.123806e+18 2020-08-19      0      0     14      F    100
## 2039 2.126630e+18 2020-08-19      0      0      3   <NA>     81
## 2040 2.132416e+18 2020-08-10      0      0     16      A      0
## 2041 2.134316e+18 2020-08-20      0      0     10      A      0
## 2042 2.138232e+18 2020-08-10      0      0      8      E      0
## 2043 2.140862e+18 2020-08-10      0      0     45      B      5
## 2044 2.143504e+18 2020-08-14      0      0      1      A     14
## 2045 2.143913e+18 2020-08-19      0      0      6      A      0
## 2046 2.146142e+18 2020-08-14      0      0     12      B      0
## 2047 2.150489e+18 2020-08-14      0      0      6      C      0
## 2048 2.156482e+18 2020-08-20      0      0     12      B     69
## 2049 2.157128e+18 2020-08-12      0      0      7      B      0
## 2050 2.166374e+18 2020-08-12      0      0      1      A      0
## 2051 2.170140e+18 2020-08-20      0      0      8      C     65
## 2052 2.173444e+18 2020-08-18      0      0      1      A      0
## 2053 2.173940e+18 2020-08-19      0      0      1      A     27
## 2054 2.174828e+18 2020-08-15      0      0     15      A      0
## 2055 2.178358e+18 2020-08-17      0      0      3      D      0
## 2056 2.184180e+18 2020-08-12      0      0      4      A     17
## 2057 2.187520e+17 2020-08-17      0      0     21      A      0
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## 2058 2.189397e+18 2020-08-15        0      0      41      F      36
## 2059 2.193749e+18 2020-08-19        0      0       2      A       8
## 2060 2.193932e+18 2020-08-10        0      0       1      A      19
## 2061 2.200675e+18 2020-08-16        0      0       2      A      12
## 2062 2.201212e+18 2020-08-18        0      0       7      C      81
## 2063 2.208535e+18 2020-08-15        0      0       1      A      12
## 2064 2.209015e+18 2020-08-12        0      0       3      B       0
## 2065 2.212596e+18 2020-08-18        0      0       1      F     101
## 2066 2.216293e+18 2020-08-18        0      0       2      A       9
## 2067 2.222579e+18 2020-08-20        0      0      29      C       0
## 2068 2.223101e+18 2020-08-12        0      0      11      B      39
## 2069 2.224946e+18 2020-08-14        0      0       3      A      41
## 2070 2.233269e+18 2020-08-19        0      0       6      C       0
## 2071 2.238339e+18 2020-08-15        0      0       5      A      12
## 2072 2.241557e+18 2020-08-11        0      0       2      A       0
## 2073 2.249247e+18 2020-08-17        0      0      11      A      53
## 2074 2.253144e+18 2020-08-12        0      0       4      D     111
## 2075 2.255237e+18 2020-08-16        0      0      10      F      80
## 2076 2.256794e+18 2020-08-16        0      0       4      C      81
## 2077 2.262609e+18 2020-08-15        0      0       2      A      12
## 2078 2.267692e+18 2020-08-12        0      0      14      C      15
## 2079 2.275923e+18 2020-08-20        0      0      18      B       0
## 2080 2.279159e+18 2020-08-19        0      0       1      D       0
## 2081 2.289412e+18 2020-08-16        0      0       2      A      54
## 2082 2.291426e+18 2020-08-17        0      0       4      C      81
## 2083 2.298960e+18 2020-08-10        1    699      18      C      41
## 2084 2.304813e+18 2020-08-14        0      0       3      A      66
## 2085 2.305310e+18 2020-08-10        0      0       1      B      41
## 2086 2.305377e+18 2020-08-10        0      0       1      F       0
## 2087 2.306716e+18 2020-08-15        0      0      10   <NA>      0
## 2088 2.308830e+18 2020-08-20        0      0      14   <NA>      0
## 2089 2.313473e+17 2020-08-17        0      0       2      G      48
## 2090 2.321298e+18 2020-08-10        0      0      51      A       0
## 2091 2.327592e+18 2020-08-18        0      0       2      A       0
## 2092 2.330795e+18 2020-08-12        0      0       1      A      89
## 2093 2.331347e+18 2020-08-11        0      0       4      B      40
## 2094 2.332570e+18 2020-08-14        0      0       6      A     141
## 2095 2.337590e+18 2020-08-16        0      0       6      A     141
## 2096 2.345731e+18 2020-08-15        0      0       5      G      50
## 2097 2.349286e+18 2020-08-18        0      0       3      A       0
## 2098 2.358025e+18 2020-08-11        0      0      46   <NA>     98
## 2099 2.359477e+18 2020-08-11        0      0       3      A      44
## 2100 2.365000e+17 2020-08-14        0      0      10      A       0
## 2101 2.367699e+17 2020-08-11        0      0       1      G      65
## 2102 2.369959e+18 2020-08-17        0      0       1      A      10
## 2103 2.374716e+18 2020-08-13        0      0       1      G      52
## 2104 2.376416e+18 2020-08-16        0      0       1      A      54
## 2105 2.377849e+18 2020-08-11        0      0      29      C      81
## 2106 2.380145e+18 2020-08-16        0      0       2      A       0
## 2107 2.382309e+18 2020-08-17        0      0       2      A       0
## 2108 2.386710e+17 2020-08-15        0      0       5      D      94
## 2109 2.388523e+18 2020-08-10        0      0       2      G       5
## 2110 2.389623e+18 2020-08-11        0      0       9      D     160
## 2111 2.394638e+18 2020-08-17        0      0       4      D       0
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## 2112 2.395953e+17 2020-08-15          0          0          4          D         36
## 2113 2.403015e+18 2020-08-18          0          0          8          C          0
## 2114 2.406545e+18 2020-08-14          0          0          4          E          0
## 2115 2.409532e+18 2020-08-14          0          0          1          D         51
## 2116 2.417870e+18 2020-08-15          0          0          2          A          0
## 2117 2.421006e+18 2020-08-12          0          0          1          A         43
## 2118 2.421307e+18 2020-08-20          0          0          5          A         50
## 2119 2.427364e+18 2020-08-16          0          0          1          A          0
## 2120 2.431152e+18 2020-08-10          0          0          1          A          0
## 2121 2.433443e+18 2020-08-17          1        619          4          A          0
## 2122 2.437716e+18 2020-08-20          0          0          3          A         35
## 2123 2.438243e+18 2020-08-17          0          0          2          B          0
## 2124 2.439720e+18 2020-08-12          0          0         10          B         59
## 2125 2.439805e+18 2020-08-14          0          0          7          A          0
## 2126 2.446384e+18 2020-08-13          0          0          7          A          0
## 2127 2.452047e+17 2020-08-17          0          0          1          A         53
## 2128 2.453173e+18 2020-08-13          0          0         12          B         58
## 2129 2.455885e+18 2020-08-17          0          0          1          A         38
## 2130 2.470188e+18 2020-08-15          0          0          2          G         50
## 2131 2.470674e+18 2020-08-18          0          0          6          A        128
## 2132 2.472256e+18 2020-08-13          0          0          2          D         58
## 2133 2.480578e+18 2020-08-16          0          0          4          A          0
## 2134 2.486375e+18 2020-08-17          0          0         17          A          0
## 2135 2.487006e+18 2020-08-12          0          0          3          E          0
## 2136 2.488968e+18 2020-08-13          0          0          1          A         62
## 2137 2.490375e+18 2020-08-20          0          0          2          A          0
## 2138 2.495180e+18 2020-08-15          0          0          8          G         85
## 2139 2.499385e+18 2020-08-16          0          0          1          B          0
## 2140 2.499744e+18 2020-08-14          0          0         43          A          0
## 2141 2.514533e+18 2020-08-13          0          0          1          A          0
## 2142 2.517482e+18 2020-08-10          0          0         37          A         17
## 2143 2.518413e+18 2020-08-10          0          0          4          G         55
## 2144 2.520884e+18 2020-08-19          0          0         15          B         32
## 2145 2.524384e+18 2020-08-15          0          0          5          D          0
## 2146 2.545327e+18 2020-08-11          0          0          4          D         40
## 2147 2.548366e+18 2020-08-12          0          0          3          A          0
## 2148 2.550596e+18 2020-08-16          0          0         15          A          0
## 2149 2.551359e+17 2020-08-12          0          0          8          A         43
## 2150 2.556528e+18 2020-08-19          0          0          2          A          0
## 2151 2.562349e+18 2020-08-20          0          0          1          A          0
## 2152 2.562960e+18 2020-08-15          0          0          1          D          0
## 2153 2.564537e+18 2020-08-10          0          0          1          A         17
## 2154 2.565215e+18 2020-08-10          0          0          1          A         45
## 2155 2.566170e+18 2020-08-17          0          0         17          D          0
## 2156 2.575791e+18 2020-08-11          0          0         11          C         40
## 2157 2.576736e+18 2020-08-13          0          0          2          A          0
## 2158 2.580411e+18 2020-08-14          0          0          9          A         13
## 2159 2.583567e+18 2020-08-12          0          0          9          C         62
## 2160 2.602529e+18 2020-08-12          0          0          1          A         89
## 2161 2.604693e+18 2020-08-15          0          0         16          C          0
## 2162 2.608836e+18 2020-08-10          0          0          4          A        141
## 2163 2.621333e+18 2020-08-20          0          0          3          B          0
## 2164 2.623898e+17 2020-08-12          0          0         49          B         53
## 2165 2.627462e+18 2020-08-17          0          0          3       <NA>         81
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## 2166 2.629588e+18 2020-08-20      0    0     2    A    35
## 2167 2.631509e+18 2020-08-19      0    0     2    B     0
## 2168 2.638231e+18 2020-08-12      0    0     4    G    53
## 2169 2.640095e+18 2020-08-17      0    0    32    A    53
## 2170 2.644891e+18 2020-08-17      0    0     2    A    11
## 2171 2.647693e+18 2020-08-16      0    0     1    A     0
## 2172 2.652366e+18 2020-08-15      0    0    42    C     0
## 2173 2.654699e+18 2020-08-16      0    0     5    A    12
## 2174 2.657552e+18 2020-08-14      0    0    13    A    65
## 2175 2.661521e+18 2020-08-10      0    0     5    B     0
## 2176 2.670502e+18 2020-08-10      0    0    33    F    41
## 2177 2.671764e+18 2020-08-13      0    0    19    B     0
## 2178 2.672345e+18 2020-08-18      1  799    23    B    33
## 2179 2.676948e+18 2020-08-10      0    0    15    C    19
## 2180 2.678913e+18 2020-08-15      0    0    12    B     0
## 2181 2.680526e+17 2020-08-19      0    0     1    A    51
## 2182 2.683292e+18 2020-08-17      0    0     7    A    32
## 2183 2.696040e+18 2020-08-11      0    0     4    D    40
## 2184 2.697182e+18 2020-08-20      0    0     1    A    50
## 2185 2.697905e+18 2020-08-16      0    0    39    C     0
## 2186 2.698485e+17 2020-08-16      0    0     4    A    11
## 2187 2.704276e+18 2020-08-13      0    0    35    B    38
## 2188 2.705655e+18 2020-08-14      0    0     2    A    57
## 2189 2.706789e+18 2020-08-19      0    0     8    F    30
## 2190 2.709288e+18 2020-08-13      0    0     2    A    14
## 2191 2.715670e+18 2020-08-19      1  299    10    A     0
## 2192 2.720867e+18 2020-08-12      0    0     5    C    39
## 2193 2.722081e+18 2020-08-15      0    0    24    D    36
## 2194 2.726315e+18 2020-08-17      0    0     5    C    72
## 2195 2.728851e+18 2020-08-20      0    0     7    A     0
## 2196 2.732134e+18 2020-08-19      0    0     2    B    32
## 2197 2.734122e+18 2020-08-18      0    0     3    A   128
## 2198 2.736786e+18 2020-08-18      0    0    91    A     0
## 2199 2.743798e+18 2020-08-19      0    0     2    A    36
## 2200 2.746354e+18 2020-08-17      0    0     1    A    32
## 2201 2.760650e+18 2020-08-18      1  249     8    D    71
## 2202 2.760667e+18 2020-08-13      0    0     1    A    15
## 2203 2.764093e+18 2020-08-10      0    0     1    A     0
## 2204 2.764527e+18 2020-08-11      0    0     1    E   135
## 2205 2.764546e+18 2020-08-19      0    0    31    A     8
## 2206 2.770336e+17 2020-08-11      1 1194    16    D    99
## 2207 2.784667e+17 2020-08-10      0    0     5    A     0
## 2208 2.791574e+18 2020-08-14      0    0     3    C    13
## 2209 2.792204e+17 2020-08-16      0    0     3    A    54
## 2210 2.792302e+18 2020-08-13      0    0     4    A     0
## 2211 2.792964e+18 2020-08-20      0    0     7    A     0
## 2212 2.797125e+18 2020-08-15      0    0     9    D     0
## 2213 2.798831e+18 2020-08-15      0    0     4    A     0
## 2214 2.803742e+18 2020-08-15      0    0    17    B     0
## 2215 2.806503e+18 2020-08-18      0    0     1    B    81
## 2216 2.807356e+18 2020-08-10      0    0    20    A    17
## 2217 2.810712e+18 2020-08-12      0    0     4    A    15
## 2218 2.823819e+18 2020-08-13      0    0     3    G   158
## 2219 2.827017e+18 2020-08-14      0    0     5    B    51
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## 2220 2.827186e+18 2020-08-12          0        0        4        A        0
## 2221 2.831684e+18 2020-08-12          0        0       21        C        0
## 2222 2.835813e+18 2020-08-10          0        0        1        A       17
## 2223 2.836247e+18 2020-08-19          0        0        3        D        9
## 2224 2.843763e+18 2020-08-14          0        0        3        B       37
## 2225 2.855130e+18 2020-08-13          0        0        2        B        0
## 2226 2.857284e+18 2020-08-16          0        0       17        A        0
## 2227 2.866556e+18 2020-08-18          0        0        1        A       37
## 2228 2.871475e+16 2020-08-15          0        0        1        A       56
## 2229 2.871780e+18 2020-08-18          0        0        1        A        0
## 2230 2.877201e+18 2020-08-10          0        0       16        A        0
## 2231 2.885123e+18 2020-08-17          0        0        5        A       32
## 2232 2.885416e+18 2020-08-14          0        0        1        A       62
## 2233 2.894036e+17 2020-08-11          0        0        4        G      160
## 2234 2.898384e+18 2020-08-11          0        0       16        A       44
## 2235 2.901660e+18 2020-08-15          0        0        7        A       13
## 2236 2.901758e+18 2020-08-20          0        0       21        G       45
## 2237 2.902481e+18 2020-08-14          0        0        1        A      106
## 2238 2.905715e+18 2020-08-16          0        0       24        A        0
## 2239 2.920627e+18 2020-08-20          0        0       10        A       50
## 2240 2.923279e+18 2020-08-12          0        0        7        A       68
## 2241 2.926980e+18 2020-08-14          0        0       10        C       37
## 2242 2.931740e+18 2020-08-12          0        0       46        C      208
## 2243 2.932467e+18 2020-08-13          0        0        1        A       15
## 2244 2.934784e+17 2020-08-19          0        0        9        G      152
## 2245 2.935750e+18 2020-08-14          0        0        5        A        0
## 2246 2.940008e+18 2020-08-12          0        0        9        C       59
## 2247 2.940411e+18 2020-08-15          0        0       24        C       56
## 2248 2.941314e+18 2020-08-19          0        0       26        B        0
## 2249 2.943406e+18 2020-08-10          0        0       27        C        0
## 2250 2.952255e+18 2020-08-16          0        0        3        B      208
## 2251 2.954995e+18 2020-08-15          0        0       64        A       65
## 2252 2.977930e+18 2020-08-16          0        0        4        A        0
## 2253 2.982460e+18 2020-08-19          0        0        2        B        0
## 2254 2.987502e+18 2020-08-15          0        0       23        A       40
## 2255 2.991404e+18 2020-08-18          0        0       13        D       33
## 2256 2.993515e+18 2020-08-18          0        0        4        A      141
## 2257 2.996316e+18 2020-08-14          0        0        2        A       65
## 2258 2.997991e+18 2020-08-17          0        0        1        A        0
## 2259 2.999000e+18 2020-08-19          0        0        6        D        0
## 2260 3.157150e+18 2020-08-13          0        0        1        A       42
## 2261 3.772441e+18 2020-08-14          0        0       23        B        0
## 2262 3.797895e+18 2020-08-13          0        0        1        G       38
## 2263 3.891453e+18 2020-08-10          0        0        1        A       17
## 2264 3.009622e+18 2020-08-20          0        0        1        A        0
## 2265 3.011294e+18 2020-08-16          0        0        5        D        0
## 2266 3.018608e+18 2020-08-16          0        0        2        D        0
## 2267 3.020398e+18 2020-08-19          0        0       32        B      223
## 2268 3.021192e+18 2020-08-12          0        0        4        A        0
## 2269 3.026882e+18 2020-08-10          0        0        4        A        0
## 2270 3.035495e+18 2020-08-13          0        0        7        C       58
## 2271 3.037722e+18 2020-08-17          0        0       14        F        0
## 2272 3.042757e+18 2020-08-12          0        0       22        A       43
## 2273 3.064298e+18 2020-08-14          0        0        1        E       94
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## 2274 3.071135e+18 2020-08-18    1   899  35       F     33
## 2275 3.073777e+18 2020-08-16    0     0  12       F      0
## 2276 3.074636e+18 2020-08-15    0     0  34       G     50
## 2277 3.077942e+18 2020-08-19    0     0   1       A      0
## 2278 3.079318e+18 2020-08-18    0     0   3       C      0
## 2279 3.088165e+18 2020-08-12    0     0  24       A      0
## 2280 3.088612e+18 2020-08-18    0     0  17       D    153
## 2281 3.099510e+18 2020-08-18    0     0   3       B      0
## 2282 3.105181e+18 2020-08-11    0     0  45       F     54
## 2283 3.107862e+18 2020-08-19    0     0   4       D     81
## 2284 3.108020e+18 2020-08-19    0     0   2       A      0
## 2285 3.108615e+18 2020-08-13    0     0  62       A      0
## 2286 3.116520e+18 2020-08-15    0     0   3       A     65
## 2287 3.120087e+18 2020-08-12    0     0  13       A      0
## 2288 3.121847e+18 2020-08-10    0     0  18       C      0
## 2289 3.123824e+18 2020-08-14    0     0   7       C     81
## 2290 3.124368e+18 2020-08-15    0     0   2       A     62
## 2291 3.125327e+18 2020-08-16    0     0   7       D      0
## 2292 3.133350e+18 2020-08-15    1  1299  24       A     40
## 2293 3.136607e+18 2020-08-15    0     0  34       B     81
## 2294 3.138848e+18 2020-08-17    0     0  27       A     53
## 2295 3.141905e+18 2020-08-17    0     0   7       B      0
## 2296 3.143793e+18 2020-08-11    0     0  14       C     40
## 2297 3.150483e+18 2020-08-14    0     0  15       A     41
## 2298 3.154907e+18 2020-08-11    0     0  40       F     40
## 2299 3.155967e+18 2020-08-14    0     0  24       A     13
## 2300 3.157914e+18 2020-08-13    0     0   2       A     14
## 2301 3.159101e+18 2020-08-12    0     0   4       A      0
## 2302 3.160363e+18 2020-08-12    0     0  48       A      0
## 2303 3.171578e+18 2020-08-18    0     0   1       A    102
## 2304 3.172897e+18 2020-08-12    0     0   1       A     43
## 2305 3.174376e+18 2020-08-10    0     0   6       G      0
## 2306 3.177186e+18 2020-08-10    0     0   1       A     45
## 2307 3.177645e+18 2020-08-18    0     0   5       D     47
## 2308 3.187148e+18 2020-08-18    0     0   7       C     81
## 2309 3.190287e+18 2020-08-19    0     0   7    <NA>      0
## 2310 3.195006e+18 2020-08-12    0     0   2       D     88
## 2311 3.197155e+18 2020-08-12    0     0   5       A     43
## 2312 3.206341e+18 2020-08-13    0     0   1       A      0
## 2313 3.207912e+18 2020-08-13    0     0  18       A     14
## 2314 3.208468e+18 2020-08-16    0     0  14       C      0
## 2315 3.210261e+18 2020-08-20    0     0   1       A      0
## 2316 3.210591e+18 2020-08-11    0     0  39       C      0
## 2317 3.212277e+18 2020-08-12    0     0  10       A    141
## 2318 3.213653e+18 2020-08-14    0     0   3       A     13
## 2319 3.216996e+18 2020-08-15    0     0   5       A      0
## 2320 3.217604e+18 2020-08-17    0     0   1       D      0
## 2321 3.218510e+18 2020-08-13    0     0  11       A     65
## 2322 3.223764e+18 2020-08-12    0     0   1       A      0
## 2323 3.228262e+18 2020-08-18    0     0   4       A      0
## 2324 3.247184e+18 2020-08-17    0     0  22       C     32
## 2325 3.256308e+18 2020-08-20    0     0   2       A     26
## 2326 3.271548e+18 2020-08-10    0     0   7       A      0
## 2327 3.273219e+18 2020-08-13    0     0  27       F     38
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## 2328 3.277932e+18 2020-08-14        0        0        2        A       41
## 2329 3.278083e+18 2020-08-12        0        0       11        A        0
## 2330 3.290432e+18 2020-08-20        0        0        1        E        8
## 2331 3.291321e+18 2020-08-18        0        0       13        B       71
## 2332 3.293897e+18 2020-08-10        0        0        6        G      161
## 2333 3.295559e+18 2020-08-20        0        0        6        D        0
## 2334 3.303076e+18 2020-08-19        0        0       30        B        0
## 2335 3.304435e+18 2020-08-19        0        0        3        E        0
## 2336 3.306940e+18 2020-08-12        0        0        1        A       15
## 2337 3.309214e+18 2020-08-11        0        0        1        A       44
## 2338 3.309726e+18 2020-08-17        0        0       43        A        0
## 2339 3.310564e+18 2020-08-16        0        0        3        A       54
## 2340 3.317035e+18 2020-08-15        0        0        4        A      105
## 2341 3.317228e+18 2020-08-18        0        0        1        A        9
## 2342 3.321655e+18 2020-08-19        0        0        3        A       62
## 2343 3.327308e+17 2020-08-12        0        0        6        A       91
## 2344 3.332171e+18 2020-08-11        0        0       16        A        0
## 2345 3.332506e+18 2020-08-13        0        0        3        A        0
## 2346 3.340934e+18 2020-08-19        0        0        1        A        0
## 2347 3.341477e+17 2020-08-19        0        0       10        G      104
## 2348 3.354736e+18 2020-08-18        0        0       12        C       31
## 2349 3.357626e+18 2020-08-14        0        0       23     <NA>        0
## 2350 3.360072e+18 2020-08-17        0        0        4        A        0
## 2351 3.362556e+17 2020-08-10        0        0       12        C        0
## 2352 3.372650e+18 2020-08-18        0        0       18        G       47
## 2353 3.374611e+18 2020-08-11        0        0        1        A        0
## 2354 3.376515e+18 2020-08-16        0        0        2        D       49
## 2355 3.376543e+18 2020-08-11        0        0        1        A       18
## 2356 3.380164e+17 2020-08-16        0        0        8        A        0
## 2357 3.381232e+18 2020-08-16        0        0        2        B      141
## 2358 3.382698e+18 2020-08-12        0        0        7        A        0
## 2359 3.384723e+18 2020-08-10        0        0        3        B        0
## 2360 3.384741e+18 2020-08-13        0        0       22        A       15
## 2361 3.396928e+18 2020-08-19        0        0        8        G      208
## 2362 3.400383e+18 2020-08-15        0        0        3        A        0
## 2363 3.404584e+18 2020-08-19        0        0       22        A       51
## 2364 3.405703e+18 2020-08-14        0        0        1        D        0
## 2365 3.413218e+18 2020-08-14        0        0        3        A        0
## 2366 3.421223e+18 2020-08-10        0        0       28        C       81
## 2367 3.424240e+18 2020-08-15        0        0        1        A        0
## 2368 3.425245e+17 2020-08-13        0        0        1        A       14
## 2369 3.428534e+18 2020-08-17        0        0        2        A       11
## 2370 3.428667e+17 2020-08-18        0        0        3        A       52
## 2371 3.431769e+18 2020-08-16        0        0        1        A       30
## 2372 3.432921e+18 2020-08-16        0        0        6        G       49
## 2373 3.432957e+18 2020-08-10        2     1156       22        C       55
## 2374 3.434656e+18 2020-08-14        0        0       23        B       51
## 2375 3.438560e+18 2020-08-20        0        0        1        A        7
## 2376 3.444321e+18 2020-08-15        0        0       10        B      208
## 2377 3.446550e+18 2020-08-20        0        0        6        A        0
## 2378 3.454950e+18 2020-08-20        0        0       10        A        0
## 2379 3.455453e+18 2020-08-17        0        0       44        A        0
## 2380 3.462424e+18 2020-08-16        0        0        1        A        0
## 2381 3.477497e+18 2020-08-10        1      799       38        B       55
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## 2382 3.479790e+18 2020-08-19          0      0     14      <NA>        0
## 2383 3.480441e+18 2020-08-13          0      0     34         A       14
## 2384 3.484277e+18 2020-08-20          0      0     34         A        7
## 2385 3.487388e+18 2020-08-20          0      0      8         A       26
## 2386 3.490179e+18 2020-08-19          0      0      6         C        8
## 2387 3.496645e+18 2020-08-12          0      0      7         F       15
## 2388 3.497693e+18 2020-08-12          0      0      1         A       91
## 2389 3.497785e+18 2020-08-11          0      0     10      <NA>        0
## 2390 3.497923e+17 2020-08-12          0      0      3         A      108
## 2391 3.498796e+18 2020-08-16          0      0     11         C       55
## 2392 3.499627e+18 2020-08-11          0      0      4         F        0
## 2393 3.525565e+18 2020-08-18          0      0     41         A        0
## 2394 3.529897e+18 2020-08-13          0      0     17         B        0
## 2395 3.530508e+18 2020-08-12          0      0     72         A       15
## 2396 3.538153e+18 2020-08-16          0      0      2         A       30
## 2397 3.550514e+18 2020-08-20          0      0      9         A        0
## 2398 3.551386e+18 2020-08-16          0      0      6         B        0
## 2399 3.563055e+18 2020-08-19          0      0      6         C       81
## 2400 3.567123e+18 2020-08-15          0      0      7         A       40
## 2401 3.586604e+18 2020-08-20          0      0     14         A        8
## 2402 3.588249e+18 2020-08-19          0      0      1         F       27
## 2403 3.590368e+18 2020-08-14          0      0      2         G      223
## 2404 3.597232e+18 2020-08-17          0      0     14         F        0
## 2405 3.599097e+18 2020-08-20          0      0      2         A       50
## 2406 3.601742e+18 2020-08-18          0      0      6         A        0
## 2407 3.602596e+18 2020-08-13          0      0      2         A        0
## 2408 3.611084e+17 2020-08-15          0      0      1         A       12
## 2409 3.615096e+18 2020-08-16          0      0      2         A        0
## 2410 3.629490e+18 2020-08-17          0      0      3         A        0
## 2411 3.636156e+18 2020-08-20          0      0      3         A        0
## 2412 3.648757e+18 2020-08-11          0      0      1         A        0
## 2413 3.653224e+18 2020-08-15          0      0      2         E      131
## 2414 3.654346e+18 2020-08-18          0      0      1         D        0
## 2415 3.655441e+18 2020-08-14          0      0      5         C       51
## 2416 3.658230e+18 2020-08-11          0      0     52         A        0
## 2417 3.659598e+18 2020-08-16          0      0      3         A        0
## 2418 3.661831e+18 2020-08-12          0      0     12         C       59
## 2419 3.661856e+18 2020-08-20          0      0      1         A        0
## 2420 3.665741e+18 2020-08-15          0      0      5         A        0
## 2421 3.668579e+17 2020-08-10          0      0      7         B        0
## 2422 3.674200e+18 2020-08-19          0      0      8         A       36
## 2423 3.674670e+18 2020-08-10          0      0      9         G      208
## 2424 3.674900e+18 2020-08-17          0      0      2         A        0
## 2425 3.677262e+18 2020-08-20          0      0     21         C      159
## 2426 3.678041e+18 2020-08-16          0      0      4         D       33
## 2427 3.688379e+18 2020-08-20          0      0      1         C      208
## 2428 3.693599e+18 2020-08-10          0      0     18         D        0
## 2429 3.696101e+18 2020-08-10          0      0      1         A        0
## 2430 3.699044e+18 2020-08-18          0      0      2         B        0
## 2431 3.703319e+18 2020-08-14          0      0      3         C        0
## 2432 3.714572e+17 2020-08-14          0      0      1         A        0
## 2433 3.719298e+18 2020-08-16          0      0     46         B       35
## 2434 3.722484e+18 2020-08-14          0      0     16         C       81
## 2435 3.726749e+18 2020-08-17          0      0      1         A      141
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## 2436 3.727004e+18 2020-08-19      0      0      2      A      0
## 2437 3.733303e+18 2020-08-12      0      0      3      A    108
## 2438 3.737805e+18 2020-08-16      0      0      5      A      0
## 2439 3.737843e+18 2020-08-10      0      0      1      A      0
## 2440 3.739956e+18 2020-08-16      0      0      6      A      0
## 2441 3.742098e+18 2020-08-14      0      0     19      F     82
## 2442 3.742764e+18 2020-08-11      0      0      1      A     16
## 2443 3.744093e+18 2020-08-14      0      0     19      C      0
## 2444 3.747780e+18 2020-08-15      0      0     11      A     62
## 2445 3.747974e+18 2020-08-18      0      0     27      B     33
## 2446 3.753188e+18 2020-08-10      0      0      8      A      0
## 2447 3.753702e+18 2020-08-19      0      0     22      C      0
## 2448 3.760758e+18 2020-08-14      1   1259      2      A     13
## 2449 3.762724e+18 2020-08-10      0      0     24      B      0
## 2450 3.763318e+18 2020-08-18      0      0     12      A    128
## 2451 3.769596e+18 2020-08-17      0      0      8      G    106
## 2452 3.786028e+18 2020-08-11      0      0      7      A      0
## 2453 3.786689e+18 2020-08-17      0      0      6      A     53
## 2454 3.791032e+18 2020-08-17      0      0      4      A     38
## 2455 3.795057e+18 2020-08-17      0      0     15      A      0
## 2456 3.795640e+18 2020-08-16      0      0      4      A     11
## 2457 3.800502e+18 2020-08-20      0      0     16      F      0
## 2458 3.801113e+18 2020-08-17      0      0      5      D     65
## 2459 3.804745e+17 2020-08-16      0      0      4      A      0
## 2460 3.805482e+18 2020-08-10      0      0     18      B      0
## 2461 3.808631e+18 2020-08-15      0      0      5      A     62
## 2462 3.812425e+17 2020-08-15      0      0     57      C    208
## 2463 3.814612e+18 2020-08-20      0      0     42      B      0
## 2464 3.818596e+18 2020-08-16      0      0      9      A      0
## 2465 3.820399e+18 2020-08-20      0      0      2      A      7
## 2466 3.826353e+18 2020-08-18      0      0     19      F      0
## 2467 3.828783e+18 2020-08-11      0      0      1      D     84
## 2468 3.841594e+18 2020-08-11      0      0      6      A      0
## 2469 3.842593e+18 2020-08-20      0      0      7      F     99
## 2470 3.843521e+18 2020-08-12      0      0     15      A      0
## 2471 3.858021e+18 2020-08-20      0      0      4      D     69
## 2472 3.868655e+18 2020-08-11      0      0      5      D      0
## 2473 3.870333e+18 2020-08-20      0      0     22      A      0
## 2474 3.874627e+18 2020-08-20      0      0      5      C      0
## 2475 3.880921e+18 2020-08-18      0      0      1      A     37
## 2476 3.883519e+18 2020-08-12      0      0      2      E      0
## 2477 3.894336e+17 2020-08-17      0      0     14      A      0
## 2478 3.899195e+18 2020-08-15      0      0      2      B     36
## 2479 3.899773e+18 2020-08-11      0      0      8      A     65
## 2480 3.903061e+18 2020-08-16      0      0      5      G    107
## 2481 3.908184e+18 2020-08-14      0      0      1      A     41
## 2482 3.912191e+18 2020-08-15      0      0      2      B      0
## 2483 3.915746e+17 2020-08-18      0      0      7      A     62
## 2484 3.917188e+17 2020-08-11      0      0     20      C      0
## 2485 3.919757e+18 2020-08-15      0      0      1      A     40
## 2486 3.924927e+18 2020-08-15      0      0     11      A      0
## 2487 3.932072e+18 2020-08-17      0      0     11      B      0
## 2488 3.933851e+18 2020-08-13      0      0      8      A    107
## 2489 3.935560e+18 2020-08-12      0      0      3      A     15
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## 2490 3.945821e+15 2020-08-15        0     0    20      F     104
## 2491 3.951218e+18 2020-08-11        0     0    47      B     198
## 2492 3.951649e+18 2020-08-15        0     0     3      A       0
## 2493 3.953232e+18 2020-08-11        0     0    13      A     135
## 2494 3.968233e+18 2020-08-17        0     0     4      A      32
## 2495 3.992019e+18 2020-08-10        0     0     5      A      65
## 2496 3.994316e+17 2020-08-11        0     0    39      A       0
## 2497 4.588421e+18 2020-08-18        0     0    19      B      47
## 2498 4.838475e+18 2020-08-15        1  1149    26      A       0
## 2499 4.002902e+17 2020-08-10        0     0     2      C       0
## 2500 4.007008e+17 2020-08-15        0     0    10      D      65
## 2501 4.013538e+18 2020-08-10        0     0     6      B      41
## 2502 4.016581e+17 2020-08-16        0     0     5      A     104
## 2503 4.024590e+18 2020-08-20        0     0     5      G      31
## 2504 4.025519e+17 2020-08-13        0     0     2      A      14
## 2505 4.037696e+18 2020-08-20        1   229    15      A     126
## 2506 4.038260e+18 2020-08-12        0     0     2      A      16
## 2507 4.049386e+18 2020-08-13        0     0     2      C     208
## 2508 4.049928e+18 2020-08-15        0     0     6      A      62
## 2509 4.053229e+18 2020-08-13        0     0     2      A       0
## 2510 4.056268e+18 2020-08-16        0     0    34      C       0
## 2511 4.061408e+18 2020-08-14        0     0     3      D       0
## 2512 4.063464e+17 2020-08-16        0     0     1      A       0
## 2513 4.063632e+18 2020-08-19        0     0     4      A       0
## 2514 4.066245e+18 2020-08-10        0     0    11      A       0
## 2515 4.075919e+18 2020-08-16        0     0     5      E      12
## 2516 4.078200e+18 2020-08-14        0     0     3      G      37
## 2517 4.082583e+18 2020-08-16        0     0     1   <NA>      81
## 2518 4.084649e+18 2020-08-20        0     0    11      A      35
## 2519 4.087464e+18 2020-08-16        0     0     9      A       0
## 2520 4.096606e+17 2020-08-15        0     0    27      A      40
## 2521 4.096789e+18 2020-08-19        0     0     8      A       0
## 2522 4.096896e+18 2020-08-18        0     0     2      B      71
## 2523 4.103651e+18 2020-08-11        0     0     9      D      81
## 2524 4.104530e+18 2020-08-16        0     0     9      B       0
## 2525 4.109382e+18 2020-08-11        0     0     4      A       0
## 2526 4.109856e+18 2020-08-20        0     0     7      C      69
## 2527 4.113283e+18 2020-08-12        0     0     2      A       0
## 2528 4.118811e+18 2020-08-20        0     0     2      D      31
## 2529 4.125821e+18 2020-08-13        0     0     6      A       0
## 2530 4.130445e+18 2020-08-20        0     0     2      A       0
## 2531 4.134695e+18 2020-08-12        0     0     2      C      15
## 2532 4.145995e+18 2020-08-10        0     0    13      C      17
## 2533 4.146613e+18 2020-08-10        0     0     3      A       0
## 2534 4.152447e+18 2020-08-19        0     0    11      C      70
## 2535 4.156169e+18 2020-08-11        0     0     4      G      54
## 2536 4.156932e+17 2020-08-18        0     0    26      C       0
## 2537 4.164269e+18 2020-08-13        0     0     6      D      38
## 2538 4.164416e+17 2020-08-17        0     0     7   <NA>       0
## 2539 4.166009e+18 2020-08-17        0     0     3      D      34
## 2540 4.191618e+18 2020-08-11        0     0     2      A      18
## 2541 4.191636e+18 2020-08-13        0     0     1      A       0
## 2542 4.192359e+18 2020-08-19        0     0     8      A     101
## 2543 4.196516e+18 2020-08-10        0     0     8      G      41
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## 2544 4.196540e+18 2020-08-18        0        0        1        A        0
## 2545 4.206081e+18 2020-08-12        0        0       11        A        0
## 2546 4.208256e+18 2020-08-13        0        0        4        A        0
## 2547 4.210271e+18 2020-08-14        0        0        1        G       86
## 2548 4.212845e+18 2020-08-11        0        0        8        G        4
## 2549 4.230877e+17 2020-08-15        0        0        3        A        0
## 2550 4.236512e+18 2020-08-16        0        0        1        A        0
## 2551 4.247036e+18 2020-08-19        0        0        1        A        0
## 2552 4.252532e+18 2020-08-19        0        0        3        D       70
## 2553 4.257840e+18 2020-08-18        0        0        2        A       28
## 2554 4.260408e+18 2020-08-19        0        0        1        A       36
## 2555 4.261808e+18 2020-08-10        0        0        7        A      110
## 2556 4.267080e+18 2020-08-19        0        0        3        A        0
## 2557 4.269531e+18 2020-08-15        0        0        2        A        0
## 2558 4.273916e+18 2020-08-17        0        0        6        F       79
## 2559 4.282672e+18 2020-08-15        0        0       34        A        0
## 2560 4.282963e+18 2020-08-18        0        0       17        B        0
## 2561 4.283899e+18 2020-08-16        0        0       13     <NA>        0
## 2562 4.289584e+18 2020-08-18        0        0        3        A        0
## 2563 4.290955e+18 2020-08-19        0        0       12        A        8
## 2564 4.295968e+18 2020-08-18        0        0        1        E       90
## 2565 4.309087e+18 2020-08-10        0        0        1        A       17
## 2566 4.311763e+17 2020-08-10        0        0       10        A        0
## 2567 4.312848e+18 2020-08-18        0        0       20        A        9
## 2568 4.313857e+18 2020-08-20        0        0        1        D       69
## 2569 4.319467e+18 2020-08-12        0        0        7        A        0
## 2570 4.326022e+18 2020-08-19        0        0        5        A      141
## 2571 4.329128e+18 2020-08-14        0        0        7        C       81
## 2572 4.332508e+18 2020-08-13        0        0        7        B        0
## 2573 4.333124e+18 2020-08-17        0        0        1        A       32
## 2574 4.344673e+18 2020-08-13        0        0        3        A       65
## 2575 4.345242e+18 2020-08-19        0        0        3        A        0
## 2576 4.346228e+18 2020-08-18        0        0        7        A        0
## 2577 4.357340e+18 2020-08-14        0        0        1        C       57
## 2578 4.373701e+18 2020-08-12        0        0        5        C       59
## 2579 4.382231e+17 2020-08-14        0        0        4        C        0
## 2580 4.405372e+18 2020-08-17        0        0       23        A       11
## 2581 4.416923e+18 2020-08-13        0        0        1        C       58
## 2582 4.416943e+18 2020-08-17        0        0        3        D       81
## 2583 4.427122e+18 2020-08-20        0        0        1        A      141
## 2584 4.431222e+18 2020-08-17        0        0       29        A       38
## 2585 4.431697e+17 2020-08-19        0        0       13        A        0
## 2586 4.435663e+18 2020-08-13        0        0        6        B       38
## 2587 4.436462e+16 2020-08-15        0        0        1        A       62
## 2588 4.441102e+18 2020-08-15        0        0       26        A       13
## 2589 4.443366e+18 2020-08-14        0        0       20        C       15
## 2590 4.443492e+18 2020-08-13        0        0        3        D        0
## 2591 4.463328e+18 2020-08-16        0        0       29        C        0
## 2592 4.464789e+18 2020-08-15        0        0        1        A       62
## 2593 4.471254e+18 2020-08-19        0        0        2        A        0
## 2594 4.471617e+18 2020-08-13        0        0        1        A       16
## 2595 4.473402e+18 2020-08-11        0        0        1        F        0
## 2596 4.473443e+18 2020-08-17        0        0        6        B       72
## 2597 4.474379e+18 2020-08-12        0        0        2        A       62
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## 2598 4.481024e+18 2020-08-10        0      0      1       A       0
## 2599 4.483562e+17 2020-08-19        0      0      1       A      51
## 2600 4.484849e+18 2020-08-20        0      0      1       A       0
## 2601 4.484983e+18 2020-08-10        0      0     13       C      17
## 2602 4.491178e+17 2020-08-13        0      0      1       A       0
## 2603 4.491829e+18 2020-08-10        0      0     14       A       0
## 2604 4.492497e+18 2020-08-17        0      0      1       B      72
## 2605 4.492871e+18 2020-08-10        0      0      2       A     110
## 2606 4.494712e+18 2020-08-15        0      0      6       C      50
## 2607 4.500346e+18 2020-08-17        0      0      7       B      72
## 2608 4.501701e+18 2020-08-17        0      0      1       A      38
## 2609 4.503967e+18 2020-08-14        0      0      3       C     208
## 2610 4.509291e+18 2020-08-19        0      0     45       A      27
## 2611 4.510381e+18 2020-08-14        0      0      5       A       0
## 2612 4.512652e+18 2020-08-10        0      0     44       A       0
## 2613 4.525240e+18 2020-08-19        0      0     25       B      32
## 2614 4.529076e+18 2020-08-12        0      0      1       A       0
## 2615 4.531495e+18 2020-08-11        0      0      6       E       0
## 2616 4.531646e+18 2020-08-19        0      0      1       A       0
## 2617 4.534968e+18 2020-08-19        0      0      1       A      51
## 2618 4.536857e+18 2020-08-10        0      0      1       A       0
## 2619 4.537587e+18 2020-08-15        0      0      2       E       0
## 2620 4.543976e+18 2020-08-19        0      0     17       G      46
## 2621 4.548319e+18 2020-08-10        0      0      1       B      43
## 2622 4.551313e+17 2020-08-14        0      0      4       D      37
## 2623 4.554517e+18 2020-08-11        0      0     13       A       0
## 2624 4.556816e+18 2020-08-18        1    399     25       B      62
## 2625 4.560104e+18 2020-08-19        0      0      3       E       0
## 2626 4.562784e+18 2020-08-19        0      0      3       A       0
## 2627 4.568279e+18 2020-08-16        0      0     14       G      49
## 2628 4.573476e+18 2020-08-14        0      0      2       B       0
## 2629 4.574072e+17 2020-08-15        0      0      5       C     208
## 2630 4.574344e+18 2020-08-20        0      0      3       F      69
## 2631 4.577777e+18 2020-08-10        0      0     15    <NA>       5
## 2632 4.583244e+18 2020-08-18        0      0      1       F     101
## 2633 4.583656e+18 2020-08-11        0      0      2       D       0
## 2634 4.584684e+18 2020-08-11        0      0      1       B       0
## 2635 4.587428e+18 2020-08-18        0      0     17       F      31
## 2636 4.587887e+18 2020-08-13        0      0      2       A      16
## 2637 4.590489e+17 2020-08-19        0      0      1       B      70
## 2638 4.592888e+18 2020-08-10        0      0     21       A       0
## 2639 4.597016e+18 2020-08-15        0      0      8       B       0
## 2640 4.597715e+18 2020-08-20        0      0      2       A       0
## 2641 4.598644e+18 2020-08-15        0      0     27       B     223
## 2642 4.600154e+18 2020-08-14        0      0      9       B       0
## 2643 4.601554e+18 2020-08-14        0      0      5       C      57
## 2644 4.603378e+18 2020-08-19        0      0      1       A       0
## 2645 4.608231e+18 2020-08-10        0      0     17       A      93
## 2646 4.609285e+18 2020-08-13        0      0      4       B       0
## 2647 4.616145e+18 2020-08-16        0      0      3       D       0
## 2648 4.622338e+18 2020-08-15        0      0      2       D      81
## 2649 4.625809e+18 2020-08-18        0      0      6       A     141
## 2650 4.637016e+18 2020-08-20        0      0      7       A      29
## 2651 4.644870e+18 2020-08-18        0      0     13       F     101
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## 2652 4.647483e+18 2020-08-18      0    0   20      A      10
## 2653 4.653751e+18 2020-08-13      0    0    1      G     110
## 2654 4.655258e+18 2020-08-18      0    0    1      A       0
## 2655 4.656003e+18 2020-08-17      0    0    8      A      11
## 2656 4.656069e+18 2020-08-10      0    0    1      D      18
## 2657 4.656959e+18 2020-08-10      0    0    4      D       0
## 2658 4.664152e+18 2020-08-10      0    0    1      A       0
## 2659 4.666062e+18 2020-08-16      0    0   16      A      30
## 2660 4.668164e+18 2020-08-10      0    0    1      D       0
## 2661 4.670372e+18 2020-08-17      0    0    1      A       0
## 2662 4.688384e+18 2020-08-19      0    0   11      A     127
## 2663 4.693486e+18 2020-08-18      0    0    2      B     208
## 2664 4.706129e+18 2020-08-10      0    0   11      C      81
## 2665 4.710658e+18 2020-08-19      0    0    4      D       0
## 2666 4.719901e+18 2020-08-11      0    0    6      D       0
## 2667 4.725512e+18 2020-08-14      0    0    1      D       0
## 2668 4.726404e+18 2020-08-15      0    0    8      C       0
## 2669 4.731825e+18 2020-08-16      0    0   22      C      33
## 2670 4.734272e+18 2020-08-17      0    0    4      A      32
## 2671 4.735503e+18 2020-08-12      0    0   11      A       0
## 2672 4.735649e+18 2020-08-13      0    0    1      E       0
## 2673 4.743926e+18 2020-08-16      0    0    9      C       0
## 2674 4.746379e+18 2020-08-11      0    0    1      A      65
## 2675 4.747824e+18 2020-08-16      0    0    4      A      39
## 2676 4.749131e+18 2020-08-15      1 1119   15      A       0
## 2677 4.752697e+18 2020-08-18      0    0   12      A       0
## 2678 4.759651e+18 2020-08-16      0    0    8      A       0
## 2679 4.760520e+18 2020-08-11      0    0    2      A      16
## 2680 4.768805e+18 2020-08-15      0    0    1      A      40
## 2681 4.771265e+17 2020-08-12      0    0    4      C     208
## 2682 4.786321e+18 2020-08-10      0    0   20      B       0
## 2683 4.797991e+18 2020-08-20      0    0    2      A       0
## 2684 4.806871e+18 2020-08-19      0    0    3      A       0
## 2685 4.817649e+18 2020-08-15      0    0    9      D      50
## 2686 4.825704e+18 2020-08-13      0    0    1      A      14
## 2687 4.832971e+18 2020-08-17      0    0   18      A      53
## 2688 4.844904e+18 2020-08-10      0    0    2      A     110
## 2689 4.845806e+18 2020-08-13      0    0    4      A       0
## 2690 4.853939e+17 2020-08-19      0    0    5      C       0
## 2691 4.857597e+18 2020-08-17      0    0   18      C       0
## 2692 4.858447e+18 2020-08-13      0    0    5      D      96
## 2693 4.860924e+18 2020-08-13      0    0   10      A      58
## 2694 4.866960e+18 2020-08-20      0    0    1      F       0
## 2695 4.869895e+18 2020-08-13      0    0   13      D       0
## 2696 4.871034e+18 2020-08-20      0    0    5   <NA>       0
## 2697 4.875034e+18 2020-08-19      0    0    7      D      46
## 2698 4.884870e+18 2020-08-19      0    0    4      A       0
## 2699 4.893478e+18 2020-08-16      0    0    3      B       0
## 2700 4.897217e+17 2020-08-18      0    0    9      A       0
## 2701 4.905921e+18 2020-08-20      0    0    1      A      50
## 2702 4.919409e+18 2020-08-14      0    0   34      A      41
## 2703 4.922146e+18 2020-08-11      2 1198   31      B       4
## 2704 4.924949e+18 2020-08-18      0    0    1      A       9
## 2705 4.925041e+18 2020-08-15      0    0    2      A      62
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## 2706 4.937005e+18 2020-08-18      0    0   11    A       0
## 2707 4.937606e+18 2020-08-18      0    0   18    A       0
## 2708 4.939198e+18 2020-08-15      0    0    6    C       0
## 2709 4.943001e+18 2020-08-11      0    0   11    D       0
## 2710 4.949230e+18 2020-08-19      0    0    2    A       0
## 2711 4.950248e+18 2020-08-16      0    0   10    G     155
## 2712 4.956827e+17 2020-08-15      0    0    4    A       0
## 2713 4.961939e+18 2020-08-16      0    0    1    A      30
## 2714 4.965044e+18 2020-08-17      0    0    7    A      38
## 2715 4.967249e+18 2020-08-15      0    0   12    A      31
## 2716 4.969631e+18 2020-08-14      0    0    1    F     141
## 2717 4.971411e+18 2020-08-10      0    0    3    A       0
## 2718 4.971965e+18 2020-08-10      0    0   15    C      43
## 2719 4.982843e+18 2020-08-13      0    0    9    A     133
## 2720 4.986428e+17 2020-08-15      0    0    2    B      81
## 2721 4.988427e+18 2020-08-11      0    0    9    F      85
## 2722 4.996204e+18 2020-08-10      0    0   31    A      93
## 2723 4.999903e+18 2020-08-19      0    0   49    A       0
## 2724 4.999955e+18 2020-08-13      0    0    4    A      16
## 2725 5.363805e+18 2020-08-10      0    0    1    D      41
## 2726 5.539860e+18 2020-08-10      0    0    6    G     100
## 2727 5.001116e+18 2020-08-14      0    0    1    A      15
## 2728 5.007027e+18 2020-08-13      0    0    2    B       0
## 2729 5.007701e+18 2020-08-10      0    0    6    A      18
## 2730 5.009065e+17 2020-08-19      0    0    4    A      51
## 2731 5.009273e+18 2020-08-15      0    0    3    D       0
## 2732 5.023690e+18 2020-08-12      0    0   16    C      39
## 2733 5.030588e+18 2020-08-15      0    0    2    A     141
## 2734 5.050347e+18 2020-08-19      0    0   12    C       0
## 2735 5.056627e+18 2020-08-15      0    0    6    A       0
## 2736 5.059969e+18 2020-08-13      0    0    1    A       0
## 2737 5.060765e+18 2020-08-19      0    0    8    A       0
## 2738 5.061533e+18 2020-08-16      0    0    1    A       0
## 2739 5.063752e+18 2020-08-18      0    0    2    B       0
## 2740 5.069101e+18 2020-08-20      0    0    2    G       0
## 2741 5.069114e+18 2020-08-16      0    0    9    D      81
## 2742 5.076204e+18 2020-08-12      0    0    3    D      43
## 2743 5.095477e+18 2020-08-18      0    0    6    D      81
## 2744 5.101213e+18 2020-08-11      0    0   12    A     141
## 2745 5.109338e+18 2020-08-20      0    0    3    A       0
## 2746 5.113580e+18 2020-08-15      1  229   10    A       0
## 2747 5.117260e+17 2020-08-15      0    0   58    A      31
## 2748 5.128429e+18 2020-08-20      0    0    2    B       0
## 2749 5.130348e+18 2020-08-15      0    0    1    A     141
## 2750 5.139417e+18 2020-08-13      0    0    1    F      52
## 2751 5.146477e+18 2020-08-18      0    0    1    B       0
## 2752 5.147804e+18 2020-08-17      0    0   34    B      72
## 2753 5.147949e+18 2020-08-14      0    0    2    A      13
## 2754 5.151372e+18 2020-08-15      0    0    4    A       0
## 2755 5.152436e+18 2020-08-10      0    0   10    A       0
## 2756 5.165777e+18 2020-08-14      0    0    3    D      51
## 2757 5.168332e+18 2020-08-11      0    0   17    B      54
## 2758 5.170516e+18 2020-08-14      0    0    1    A      15
## 2759 5.174076e+18 2020-08-20      0    0    9    C       0
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## 2760 5.187351e+17 2020-08-14      0     0    1      E      0
## 2761 5.187512e+18 2020-08-16      0     0   61      A     30
## 2762 5.189422e+18 2020-08-10      0     0    3      C      0
## 2763 5.191048e+18 2020-08-11      0     0    1      B      0
## 2764 5.198300e+18 2020-08-13      0     0    5      D     42
## 2765 5.227839e+18 2020-08-16      0     0    4      C      0
## 2766 5.233488e+18 2020-08-11      1  1299   12      A     44
## 2767 5.235767e+18 2020-08-19      0     0    4      B    141
## 2768 5.236920e+18 2020-08-13      0     0    6      A      0
## 2769 5.238474e+18 2020-08-17      0     0   36      B      0
## 2770 5.243619e+18 2020-08-10      0     0   11      F     45
## 2771 5.247785e+17 2020-08-17      0     0    3      A      0
## 2772 5.249963e+18 2020-08-10      0     0    9   <NA>      0
## 2773 5.251241e+18 2020-08-11      0     0    8      B      0
## 2774 5.269947e+18 2020-08-14      0     0    4      E      0
## 2775 5.272070e+18 2020-08-10      0     0    4      C     43
## 2776 5.281871e+18 2020-08-17      0     0    1   <NA>      0
## 2777 5.291384e+18 2020-08-11      0     0    6      C     16
## 2778 5.291425e+18 2020-08-13      0     0    1      A     15
## 2779 5.296100e+18 2020-08-12      0     0    2      A      0
## 2780 5.296910e+18 2020-08-19      0     0    2      A     30
## 2781 5.300837e+18 2020-08-13      0     0   13      A      0
## 2782 5.309947e+18 2020-08-13      0     0    9      D      0
## 2783 5.316103e+18 2020-08-12      0     0    8      A     43
## 2784 5.316768e+18 2020-08-12      0     0    4      B      0
## 2785 5.320188e+18 2020-08-10      0     0    2      A     17
## 2786 5.321663e+18 2020-08-17      0     0    2      C     72
## 2787 5.325155e+18 2020-08-10      0     0    2      A      0
## 2788 5.326238e+18 2020-08-20      0     0    1      A      0
## 2789 5.327450e+18 2020-08-18      0     0    1      A      9
## 2790 5.327956e+18 2020-08-14      0     0    5      C      0
## 2791 5.329183e+18 2020-08-17      0     0    7      G     34
## 2792 5.329700e+18 2020-08-20      0     0   13      A      7
## 2793 5.340476e+18 2020-08-11      0     0    2      A     18
## 2794 5.343055e+18 2020-08-18      0     0    9      A    102
## 2795 5.344873e+18 2020-08-20      0     0   48      A      0
## 2796 5.347079e+18 2020-08-11      0     0   12      A      0
## 2797 5.352594e+18 2020-08-18      0     0    2      A      9
## 2798 5.358518e+18 2020-08-17      0     0   16      C      0
## 2799 5.359520e+17 2020-08-13      0     0   13      D      0
## 2800 5.364060e+18 2020-08-12      0     0    7      D     81
## 2801 5.368518e+18 2020-08-17      0     0    4      A     38
## 2802 5.374224e+18 2020-08-17      0     0    3      A     10
## 2803 5.375482e+18 2020-08-15      1   398    5      D     50
## 2804 5.389252e+18 2020-08-10      1   799   17      C     43
## 2805 5.393260e+18 2020-08-17      0     0   18      A      0
## 2806 5.407865e+17 2020-08-12      0     0    2      B    208
## 2807 5.433721e+18 2020-08-12      0     0    1      E      0
## 2808 5.440511e+17 2020-08-16      0     0    6      A     39
## 2809 5.446762e+18 2020-08-14      0     0    8      A    141
## 2810 5.450472e+18 2020-08-10      0     0    3      A      0
## 2811 5.451329e+18 2020-08-11      0     0    2      A      0
## 2812 5.451962e+18 2020-08-14      0     0    8      C     37
## 2813 5.454876e+18 2020-08-20      0     0    1      A     26
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## 2814 5.464509e+18 2020-08-12         0      0     1      A     141
## 2815 5.466630e+18 2020-08-12         0      0     3      A      15
## 2816 5.469267e+18 2020-08-14         0      0    20      C       0
## 2817 5.471495e+18 2020-08-11         0      0     2      A       0
## 2818 5.475006e+18 2020-08-13         0      0    34      A      65
## 2819 5.479839e+18 2020-08-11         0      0     4      C      54
## 2820 5.490204e+18 2020-08-18         0      0     1      A      52
## 2821 5.493388e+18 2020-08-18         0      0     1      F       0
## 2822 5.496930e+18 2020-08-16         0      0     1      A      30
## 2823 5.501044e+18 2020-08-19         0      0     3      F      70
## 2824 5.509316e+18 2020-08-17         0      0     5      E       0
## 2825 5.510154e+17 2020-08-20         0      0     6      A       0
## 2826 5.511503e+18 2020-08-10         0      0    21      A      18
## 2827 5.512420e+18 2020-08-15         0      0    24      F      40
## 2828 5.515922e+18 2020-08-13         0      0    32      A      42
## 2829 5.522389e+18 2020-08-13         1    859    27      C       0
## 2830 5.540279e+18 2020-08-14         0      0     4      A       0
## 2831 5.541563e+18 2020-08-20         0      0     2      B       0
## 2832 5.549326e+18 2020-08-16         0      0     1      A      11
## 2833 5.549734e+18 2020-08-12         0      0     9      A       0
## 2834 5.552496e+18 2020-08-14         0      0     4   <NA>       0
## 2835 5.554192e+18 2020-08-17         0      0     1      A      32
## 2836 5.555115e+18 2020-08-10         0      0    14      A       0
## 2837 5.565772e+18 2020-08-16         0      0     2      A       0
## 2838 5.570937e+18 2020-08-10         0      0     3   <NA>       0
## 2839 5.575949e+18 2020-08-10         0      0    11      A       0
## 2840 5.576566e+17 2020-08-20         0      0     1      A       0
## 2841 5.582777e+18 2020-08-15         0      0     1      A      65
## 2842 5.585370e+18 2020-08-13         0      0     1      A       0
## 2843 5.588098e+18 2020-08-14         1   1499     4      A      14
## 2844 5.595045e+18 2020-08-17         0      0    22      D      34
## 2845 5.607994e+18 2020-08-16         0      0    12      A       0
## 2846 5.610029e+18 2020-08-20         0      0     3      A      69
## 2847 5.612122e+18 2020-08-16         0      0    14      A     104
## 2848 5.627403e+18 2020-08-18         0      0    31      B      81
## 2849 5.631888e+18 2020-08-18         0      0     4      D      31
## 2850 5.634610e+18 2020-08-13         0      0     2      A      86
## 2851 5.635838e+18 2020-08-20         0      0    16      B       0
## 2852 5.650880e+18 2020-08-10         0      0     2      B     208
## 2853 5.652180e+18 2020-08-16         0      0     5      E       0
## 2854 5.654876e+18 2020-08-10         0      0    12      A       0
## 2855 5.656117e+18 2020-08-15         0      0    18      C      81
## 2856 5.657727e+18 2020-08-11         1   1199    26      B       0
## 2857 5.662668e+18 2020-08-20         0      0     5      A       0
## 2858 5.668741e+18 2020-08-19         0      0     2      A       8
## 2859 5.670691e+18 2020-08-17         0      0     4      A      10
## 2860 5.676104e+17 2020-08-18         0      0     3      A     102
## 2861 5.676546e+16 2020-08-20         0      0     5      A      35
## 2862 5.677142e+18 2020-08-13         0      0    29      C      14
## 2863 5.679282e+18 2020-08-17         0      0    14      A       0
## 2864 5.744533e+17 2020-08-19         0      0    17      C      65
## 2865 5.745603e+18 2020-08-13         0      0     1      F      14
## 2866 5.757101e+18 2020-08-11         0      0     4      A      44
## 2867 5.759402e+18 2020-08-10         0      0    16      C      41
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## 2868 5.760138e+18 2020-08-11      0    0   21    B    81
## 2869 5.765199e+17 2020-08-15      0    0    4    A    14
## 2870 5.768489e+18 2020-08-10      0    0    2    A     0
## 2871 5.775694e+18 2020-08-11      0    0    9    F     0
## 2872 5.785983e+18 2020-08-10      0    0    2    G   223
## 2873 5.789667e+17 2020-08-17      0    0    7    A    53
## 2874 5.796730e+17 2020-08-13      0    0    1    A    65
## 2875 5.796944e+18 2020-08-12      0    0   34    A    43
## 2876 5.797412e+18 2020-08-11      0    0   30    A    92
## 2877 5.797532e+17 2020-08-14      0    0    4    A     0
## 2878 5.798506e+18 2020-08-11      0    0    2    A     0
## 2879 5.800078e+18 2020-08-15      0    0   62    A     0
## 2880 5.803739e+18 2020-08-14      0    0   23    A     0
## 2881 5.812006e+18 2020-08-20      0    0    1    B     0
## 2882 5.812812e+18 2020-08-17      0    0    4    C     0
## 2883 5.828682e+18 2020-08-20      0    0    5    A     7
## 2884 5.829330e+18 2020-08-10      0    0    1    A     0
## 2885 5.829958e+16 2020-08-15      0    0    6    A     0
## 2886 5.837176e+18 2020-08-18      0    0   19    B     0
## 2887 5.841033e+18 2020-08-15      0    0   12    A    40
## 2888 5.844544e+18 2020-08-16      0    0    5    E     0
## 2889 5.850841e+18 2020-08-16      0    0    9    A     0
## 2890 5.851976e+18 2020-08-10      0    0    8    D    41
## 2891 5.859835e+18 2020-08-10      0    0   18    A     0
## 2892 5.862979e+18 2020-08-14      0    0   25    A     0
## 2893 5.863167e+18 2020-08-10      0    0    1    A     0
## 2894 5.864863e+17 2020-08-12      0    0    2    A     0
## 2895 5.868200e+18 2020-08-15      0    0    5    E     0
## 2896 5.870499e+18 2020-08-10      0    0   14    A     0
## 2897 5.871301e+18 2020-08-10      0    0    2    A     0
## 2898 5.872669e+18 2020-08-11      0    0    2    A    18
## 2899 5.882620e+18 2020-08-19      0    0    1    A     8
## 2900 5.885587e+18 2020-08-16      0    0   14    A    39
## 2901 5.894675e+18 2020-08-10      0    0    1    A    17
## 2902 5.898630e+17 2020-08-12      0    0    8    E     0
## 2903 5.898969e+18 2020-08-20      0    0    4    A     0
## 2904 5.903307e+18 2020-08-13      0    0    3    A    16
## 2905 5.906446e+18 2020-08-19      0    0    1    G   152
## 2906 5.914169e+18 2020-08-11      0    0    1    A     0
## 2907 5.919113e+18 2020-08-10      0    0   26    B     0
## 2908 5.922956e+18 2020-08-13      0    0    1    A     0
## 2909 5.923589e+18 2020-08-14      0    0    2    F   105
## 2910 5.926255e+18 2020-08-18      0    0    4    A    10
## 2911 5.926621e+18 2020-08-20      0    0    4    A    69
## 2912 5.930224e+18 2020-08-12      0    0   15    B     0
## 2913 5.931166e+18 2020-08-20      0    0   10    B    31
## 2914 5.932481e+17 2020-08-10      0    0    7    C     0
## 2915 5.938079e+18 2020-08-10      0    0    1    A   110
## 2916 5.938923e+18 2020-08-13      0    0    2    E     0
## 2917 5.940061e+18 2020-08-17      0    0   13    A     0
## 2918 5.946475e+18 2020-08-13      0    0    3    G   158
## 2919 5.946500e+18 2020-08-20      0    0    2    A   100
## 2920 5.947567e+18 2020-08-10      0    0    7    A    65
## 2921 5.948892e+18 2020-08-16      0    0    1    A     0
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## 2922 5.954865e+18 2020-08-10      0      0      2      A       0
## 2923 5.956549e+18 2020-08-20      0      0      4      D       0
## 2924 5.962139e+18 2020-08-12      0      0      6      D      39
## 2925 5.964148e+18 2020-08-13      0      0      1      A       0
## 2926 5.964350e+18 2020-08-12      0      0      7      A     141
## 2927 5.964719e+17 2020-08-19      0      0      2      A       9
## 2928 5.965146e+18 2020-08-19      0      0      2      A     101
## 2929 5.968865e+18 2020-08-18      0      0      1      A      37
## 2930 5.971665e+18 2020-08-11      0      0      6      C      16
## 2931 5.971968e+18 2020-08-16      0      0     22      B      49
## 2932 5.972891e+18 2020-08-20      1    939     37      C       0
## 2933 5.977210e+18 2020-08-13      0      0      8      A       0
## 2934 5.985101e+18 2020-08-15      0      0     10      A      14
## 2935 5.989887e+18 2020-08-20      0      0      4      E       0
## 2936 5.999596e+18 2020-08-20      0      0      7      D      29
## 2937 6.126528e+18 2020-08-15      0      0     30      B       0
## 2938 6.591877e+18 2020-08-13      0      0     20      B       0
## 2939 6.004333e+18 2020-08-10      0      0      2      A       0
## 2940 6.005755e+18 2020-08-12      0      0     11      B      53
## 2941 6.019319e+18 2020-08-20      0      0     15      B     223
## 2942 6.023662e+18 2020-08-15      0      0     12      A       0
## 2943 6.025940e+18 2020-08-17      0      0      1      G      34
## 2944 6.047388e+18 2020-08-13      0      0      1      E       0
## 2945 6.047885e+18 2020-08-13      0      0     20   <NA>       0
## 2946 6.051988e+18 2020-08-12      0      0      6      C      81
## 2947 6.052654e+18 2020-08-10      0      0     10      C      55
## 2948 6.062274e+18 2020-08-16      0      0      2      C      11
## 2949 6.065020e+18 2020-08-18      0      0      1      A      28
## 2950 6.072907e+18 2020-08-11      0      0      5      A      44
## 2951 6.077783e+17 2020-08-14      0      0      3   <NA>      95
## 2952 6.078855e+18 2020-08-16      0      0     29      F     103
## 2953 6.082551e+18 2020-08-14      0      0     10      A      65
## 2954 6.097432e+18 2020-08-19      0      0     10      A       0
## 2955 6.100394e+18 2020-08-13      0      0     10      B       0
## 2956 6.104155e+18 2020-08-19      0      0      7      A       0
## 2957 6.106808e+18 2020-08-12      0      0      4      A      43
## 2958 6.107433e+18 2020-08-10      0      0      5      G     100
## 2959 6.107894e+18 2020-08-10      0      0      2      A       0
## 2960 6.109199e+18 2020-08-16      0      0      1      A      30
## 2961 6.137312e+18 2020-08-13      0      0     19      A       0
## 2962 6.141073e+18 2020-08-18      0      0     12      A       0
## 2963 6.155783e+17 2020-08-17      0      0      2      A     103
## 2964 6.158579e+18 2020-08-10      0      0      8      G     161
## 2965 6.160279e+18 2020-08-11      1    659      7      C       0
## 2966 6.162553e+18 2020-08-20      0      0      2      D       0
## 2967 6.165186e+18 2020-08-17      0      0     19      F      32
## 2968 6.165868e+18 2020-08-13      0      0      2      A       0
## 2969 6.168664e+18 2020-08-15      0      0      7      D     156
## 2970 6.172649e+16 2020-08-16      0      0      1      A       0
## 2971 6.177099e+18 2020-08-20      0      0     47   <NA>     124
## 2972 6.179106e+18 2020-08-10      0      0      2      A       0
## 2973 6.179334e+18 2020-08-17      0      0     11      C      34
## 2974 6.181040e+18 2020-08-15      0      0      3      A       0
## 2975 6.187386e+18 2020-08-20      0      0      1      A      29
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## 2976 6.196486e+18 2020-08-16      0      0      6      A      0
## 2977 6.200579e+18 2020-08-16      0      0      4      A     54
## 2978 6.201189e+16 2020-08-12      0      0     20      C     17
## 2979 6.204652e+17 2020-08-19      0      0     50      A     51
## 2980 6.207153e+18 2020-08-20      0      0      1      A    141
## 2981 6.211179e+18 2020-08-14      0      0      8      A     41
## 2982 6.216053e+18 2020-08-13      0      0     32      F     52
## 2983 6.220750e+18 2020-08-11      0      0      1      A      0
## 2984 6.224759e+17 2020-08-19      0      0      2      B      0
## 2985 6.226211e+18 2020-08-11      0      0      5      F     54
## 2986 6.227226e+17 2020-08-13      0      0      2      A      0
## 2987 6.228538e+18 2020-08-14      0      0      2      A      0
## 2988 6.235386e+18 2020-08-16      0      0     15      A      0
## 2989 6.238005e+18 2020-08-13      0      0      1      C      0
## 2990 6.242527e+18 2020-08-15      0      0      7      C      0
## 2991 6.243852e+18 2020-08-14      0      0     11      D    109
## 2992 6.250131e+18 2020-08-15      0      0     12      A     65
## 2993 6.250377e+18 2020-08-14      0      0      5      C      0
## 2994 6.250685e+18 2020-08-16      0      0      6      B     35
## 2995 6.269480e+18 2020-08-18      0      0      8      A     71
## 2996 6.281764e+18 2020-08-10      0      0     12      A     45
## 2997 6.294387e+18 2020-08-15      0      0      5      A      0
## 2998 6.295367e+18 2020-08-18      0      0      3      B     71
## 2999 6.295398e+18 2020-08-18      0      0     39   <NA>    126
## 3000 6.305988e+18 2020-08-14      0      0     10      G     51
## 3001 6.312313e+18 2020-08-14      0      0     28      B      2
## 3002 6.314672e+17 2020-08-18      0      0      6      A      0
## 3003 6.315269e+17 2020-08-18      0      0      4      A     52
## 3004 6.316993e+17 2020-08-20      0      0      3      D     81
## 3005 6.318326e+18 2020-08-12      0      0     10      F      0
## 3006 6.324158e+18 2020-08-15      0      0      3      D      0
## 3007 6.325128e+18 2020-08-18      0      0     11      C     47
## 3008 6.326391e+18 2020-08-19      0      0      1      A     36
## 3009 6.327799e+18 2020-08-16      0      0      7      G    208
## 3010 6.332241e+18 2020-08-17      0      0     65      A      0
## 3011 6.337213e+18 2020-08-20      0      0      1      A      7
## 3012 6.365014e+18 2020-08-11      1   1299     25      A     44
## 3013 6.365977e+18 2020-08-15      0      0      3   <NA>      0
## 3014 6.367803e+18 2020-08-11      0      0      1      A     44
## 3015 6.378772e+18 2020-08-15      0      0      7      A      0
## 3016 6.384366e+16 2020-08-18      0      0     18      A      0
## 3017 6.386471e+18 2020-08-16      0      0      2      D     55
## 3018 6.387058e+17 2020-08-13      0      0      6      B    223
## 3019 6.391494e+18 2020-08-19      0      0     29      C      0
## 3020 6.392560e+18 2020-08-20      0      0      6      D     65
## 3021 6.402024e+18 2020-08-16      0      0     33      A     39
## 3022 6.402645e+18 2020-08-16      0      0      9      F     33
## 3023 6.406231e+18 2020-08-11      0      0      7      A      0
## 3024 6.422412e+17 2020-08-12      0      0      8      D     39
## 3025 6.423033e+17 2020-08-10      0      0      3      A    109
## 3026 6.438253e+18 2020-08-20      0      0      9   <NA>      0
## 3027 6.438686e+18 2020-08-14      0      0      1      A     65
## 3028 6.439545e+18 2020-08-11      0      0      7      G     40
## 3029 6.441338e+18 2020-08-19      0      0      8      D     70
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## 3030 6.448888e+18 2020-08-19    1  599   26    C    81
## 3031 6.451337e+17 2020-08-14    0    0    6    A     0
## 3032 6.451807e+18 2020-08-11    0    0    2    A     0
## 3033 6.468974e+18 2020-08-13    0    0    4    A    62
## 3034 6.483310e+18 2020-08-14    0    0    2    A   141
## 3035 6.483641e+18 2020-08-11    0    0   15    C     0
## 3036 6.486891e+18 2020-08-13    0    0    2    A     0
## 3037 6.488048e+18 2020-08-14    0    0    5    G    51
## 3038 6.488907e+18 2020-08-10    0    0   41    D     0
## 3039 6.490662e+18 2020-08-14    0    0   18    B     0
## 3040 6.492582e+18 2020-08-10    0    0    7    E     0
## 3041 6.499568e+18 2020-08-10    0    0    9    A   141
## 3042 6.504248e+18 2020-08-19    0    0    6    C    70
## 3043 6.504591e+18 2020-08-18    0    0    5    A     0
## 3044 6.505788e+17 2020-08-18    0    0    1    A    31
## 3045 6.507058e+18 2020-08-14    0    0    2    A    13
## 3046 6.509164e+18 2020-08-15    0    0    5    A    40
## 3047 6.510625e+18 2020-08-11    0    0   55    B     4
## 3048 6.516154e+18 2020-08-13    0    0    2    D   110
## 3049 6.519405e+18 2020-08-19    0    0    2    A   141
## 3050 6.525511e+18 2020-08-15    0    0    4    A     0
## 3051 6.530412e+18 2020-08-11    0    0    3    A     0
## 3052 6.531055e+18 2020-08-10    0    0    1    A    45
## 3053 6.531631e+18 2020-08-17    0    0   12 <NA>     0
## 3054 6.532099e+18 2020-08-12    0    0   27    B   223
## 3055 6.534042e+18 2020-08-18    0    0    1    A     9
## 3056 6.537251e+18 2020-08-20    0    0    4    A     0
## 3057 6.537544e+18 2020-08-16    0    0   30    B   223
## 3058 6.540189e+18 2020-08-14    0    0    4    A     0
## 3059 6.553829e+18 2020-08-10    0    0    1    A    45
## 3060 6.553844e+18 2020-08-10    0    0    8    A    93
## 3061 6.555412e+18 2020-08-17    0    0    2    B     0
## 3062 6.556363e+18 2020-08-16    0    0   31    A     0
## 3063 6.558586e+18 2020-08-15    0    0    6    B    36
## 3064 6.561500e+18 2020-08-10    0    0    2    D     0
## 3065 6.567261e+18 2020-08-17    0    0  103    A     0
## 3066 6.567773e+18 2020-08-16    0    0   21    A     0
## 3067 6.570032e+17 2020-08-17    0    0    3    A     0
## 3068 6.572723e+18 2020-08-19    0    0    1    F    30
## 3069 6.572733e+18 2020-08-16    0    0    3    A     0
## 3070 6.574852e+18 2020-08-20    0    0   17    A     8
## 3071 6.582589e+17 2020-08-12    0    0    4    A    43
## 3072 6.582623e+18 2020-08-20    0    0    1    D    31
## 3073 6.584697e+18 2020-08-19    0    0   22    A    51
## 3074 6.590866e+18 2020-08-20    0    0    2    B   208
## 3075 6.610344e+18 2020-08-19    0    0    2    A     0
## 3076 6.618541e+18 2020-08-18    0    0    1    A    52
## 3077 6.630610e+18 2020-08-18    0    0   23    C    28
## 3078 6.630906e+18 2020-08-14    0    0    1    A    13
## 3079 6.633239e+17 2020-08-13    0    0    1    A     0
## 3080 6.650686e+18 2020-08-16    0    0    1    D   141
## 3081 6.651947e+16 2020-08-14    0    0    6    A     0
## 3082 6.656636e+18 2020-08-12    0    0    2    A     0
## 3083 6.656740e+18 2020-08-11    0    0    2    D    81
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## 3084 6.668415e+18 2020-08-12        0      0     4      A     43
## 3085 6.669063e+18 2020-08-11        0      0    11      A      0
## 3086 6.683254e+18 2020-08-14        0      0     1      A     65
## 3087 6.683369e+18 2020-08-18        0      0     2      A      0
## 3088 6.684060e+18 2020-08-10        0      0     2      A      0
## 3089 6.685909e+17 2020-08-17        0      0     1      A      0
## 3090 6.688191e+18 2020-08-12        0      0    17      A     43
## 3091 6.688203e+18 2020-08-14        0      0     1      A      0
## 3092 6.690635e+18 2020-08-11        0      0     4      D      0
## 3093 6.693509e+18 2020-08-14        0      0    57      A     65
## 3094 6.694108e+17 2020-08-13        0      0     1      F      0
## 3095 6.712127e+18 2020-08-19        0      0     4      A      9
## 3096 6.714381e+18 2020-08-15        0      0     5      A      0
## 3097 6.715708e+18 2020-08-12        0      0     3      C      0
## 3098 6.717045e+18 2020-08-10        0      0    12      A     45
## 3099 6.719910e+18 2020-08-11        0      0     1      D     17
## 3100 6.722995e+18 2020-08-18        0      0     5      A      0
## 3101 6.724285e+18 2020-08-12        0      0     1      A     17
## 3102 6.729153e+18 2020-08-11        0      0     6      B     40
## 3103 6.733580e+17 2020-08-15        0      0     6      C      0
## 3104 6.741996e+18 2020-08-10        0      0    25      B     41
## 3105 6.744514e+18 2020-08-12        0      0    19      G     39
## 3106 6.755476e+18 2020-08-10        0      0     2      A     17
## 3107 6.757356e+18 2020-08-14        0      0     1      A     15
## 3108 6.761081e+18 2020-08-20        0      0     2      D     29
## 3109 6.767967e+18 2020-08-11        1    799    37      B     54
## 3110 6.769305e+18 2020-08-10        0      0     3      A      0
## 3111 6.770626e+18 2020-08-17        0      0     8      A     29
## 3112 6.773851e+18 2020-08-15        0      0     2      A      0
## 3113 6.775902e+18 2020-08-13        0      0    13      B     38
## 3114 6.784112e+18 2020-08-10        0      0     1      G    208
## 3115 6.790181e+18 2020-08-16        0      0     5      A      0
## 3116 6.798186e+18 2020-08-15        0      0     1      G     50
## 3117 6.798223e+18 2020-08-17        0      0     3      A      0
## 3118 6.799390e+18 2020-08-16        0      0    29      A      0
## 3119 6.802662e+18 2020-08-13        0      0     5      A    141
## 3120 6.806344e+18 2020-08-16        0      0    22      B     81
## 3121 6.822127e+18 2020-08-17        0      0     1      A      0
## 3122 6.829450e+16 2020-08-15        0      0     1      A    141
## 3123 6.836893e+18 2020-08-10        0      0     1      D     65
## 3124 6.837217e+18 2020-08-12        0      0     2      G      3
## 3125 6.837925e+18 2020-08-13        1    739    85      C      0
## 3126 6.846751e+18 2020-08-13        1   1489    44      A      0
## 3127 6.863087e+17 2020-08-18        0      0     1      B     33
## 3128 6.881725e+18 2020-08-18        0      0    30      A     37
## 3129 6.889881e+18 2020-08-19        0      0    10      D     70
## 3130 6.892811e+18 2020-08-18        0      0    21      A     10
## 3131 6.899364e+18 2020-08-17        0      0    14      B     81
## 3132 6.903979e+18 2020-08-10        0      0     2      A      0
## 3133 6.907608e+18 2020-08-18        0      0     2      E      0
## 3134 6.908860e+18 2020-08-10        0      0     3      F     45
## 3135 6.909503e+18 2020-08-14        1    349    22      C      0
## 3136 6.910563e+18 2020-08-14        0      0    20      A     41
## 3137 6.916509e+18 2020-08-18        0      0    14      A      0
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## 3138 6.922663e+18 2020-08-16        0     0    34      D      0
## 3139 6.923543e+18 2020-08-17        0     0    15      A     38
## 3140 6.930358e+18 2020-08-10        1  1299    12      B      0
## 3141 6.930598e+18 2020-08-15        0     0     6      B     36
## 3142 6.941279e+18 2020-08-12        0     0     7      D     53
## 3143 6.941309e+18 2020-08-16        0     0     4      A    141
## 3144 6.942130e+18 2020-08-13        0     0    25      B      2
## 3145 6.969322e+18 2020-08-15        0     0    11      C    122
## 3146 6.979955e+18 2020-08-13        0     0    16      A     65
## 3147 6.981331e+18 2020-08-13        0     0    10      A      0
## 3148 6.991926e+18 2020-08-20        0     0     5      B     31
## 3149 6.993088e+18 2020-08-14        0     0     6      D      0
## 3150 7.900790e+18 2020-08-17        0     0     1      D      0
## 3151 7.955460e+18 2020-08-13        0     0     3      A      0
## 3152 7.004660e+18 2020-08-11        0     0     5      E     17
## 3153 7.006152e+17 2020-08-14        0     0     1      A     41
## 3154 7.008425e+18 2020-08-18        0     0    13      B     62
## 3155 7.013127e+18 2020-08-10        0     0     5      D    100
## 3156 7.016439e+18 2020-08-15        0     0    43      A      0
## 3157 7.016777e+18 2020-08-20        0     0     1      A      0
## 3158 7.018557e+17 2020-08-15        0     0     1      A     13
## 3159 7.019533e+18 2020-08-11        0     0     6      D     40
## 3160 7.022549e+17 2020-08-18        0     0    15   <NA>      0
## 3161 7.025462e+18 2020-08-10        0     0     2      A     93
## 3162 7.043918e+18 2020-08-16        0     0     9      A      0
## 3163 7.045315e+18 2020-08-18        0     0     4      A      0
## 3164 7.045615e+18 2020-08-20        0     0    20      G    103
## 3165 7.047349e+18 2020-08-14        0     0     1      A      0
## 3166 7.058467e+18 2020-08-20        0     0    28   <NA>      0
## 3167 7.061165e+17 2020-08-13        0     0     2      F     16
## 3168 7.092153e+17 2020-08-16        0     0     6      A      0
## 3169 7.094502e+18 2020-08-13        0     0    31      C      0
## 3170 7.100468e+18 2020-08-20        0     0    20      C     59
## 3171 7.104634e+18 2020-08-16        0     0     1      E    130
## 3172 7.108914e+18 2020-08-14        0     0     4      B      0
## 3173 7.112705e+18 2020-08-19        0     0     2      A      0
## 3174 7.115217e+18 2020-08-15        0     0     3      A      0
## 3175 7.121243e+18 2020-08-18        0     0     1      A      0
## 3176 7.121587e+18 2020-08-15        0     0     1      A     65
## 3177 7.134908e+18 2020-08-16        0     0     1      C    208
## 3178 7.141484e+18 2020-08-12        0     0     1      A     87
## 3179 7.144598e+18 2020-08-15        0     0     7      B      0
## 3180 7.151093e+18 2020-08-10        0     0    21      B     41
## 3181 7.154061e+18 2020-08-11        0     0     1      A     65
## 3182 7.155729e+18 2020-08-20        0     0     1      B      0
## 3183 7.171898e+17 2020-08-14        0     0     2      D      0
## 3184 7.177252e+18 2020-08-13        0     0    24      A     14
## 3185 7.179963e+18 2020-08-12        0     0     3      A     16
## 3186 7.182121e+18 2020-08-13        0     0     6      C      0
## 3187 7.186031e+18 2020-08-10        0     0    18      A      0
## 3188 7.189346e+18 2020-08-18        0     0    10      G     47
## 3189 7.200939e+18 2020-08-17        0     0     5      A      0
## 3190 7.203968e+18 2020-08-15        0     0    22      D      0
## 3191 7.206436e+18 2020-08-12        0     0    13      A      0
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## 3192 7.206555e+18 2020-08-16          0      0      9        D      107
## 3193 7.208115e+18 2020-08-11          0      0      7        D        0
## 3194 7.219191e+18 2020-08-15          0      0      4        B        0
## 3195 7.225776e+18 2020-08-16          0      0      2        A       54
## 3196 7.226122e+18 2020-08-12          0      0    125        C        0
## 3197 7.235648e+18 2020-08-17          0      0      4        B       81
## 3198 7.242583e+17 2020-08-10          0      0     14        A        0
## 3199 7.244264e+18 2020-08-17          0      0      1        A       38
## 3200 7.245596e+18 2020-08-15          0      0     11        C       36
## 3201 7.249632e+18 2020-08-13          0      0      5        A       62
## 3202 7.254219e+17 2020-08-14          0      0      3        A        0
## 3203 7.255267e+18 2020-08-10          1    209     11        A        0
## 3204 7.264625e+18 2020-08-10          0      0     44        C       43
## 3205 7.264899e+18 2020-08-19          0      0      4        A        0
## 3206 7.270733e+18 2020-08-15          0      0      8        A       65
## 3207 7.270811e+18 2020-08-10          0      0     39        C        5
## 3208 7.284309e+17 2020-08-17          0      0     18        C       81
## 3209 7.284521e+18 2020-08-14          0      0      1        A       15
## 3210 7.292421e+18 2020-08-11          0      0      4        C       42
## 3211 7.301447e+18 2020-08-10          0      0     25        C        0
## 3212 7.304979e+18 2020-08-20          0      0     11        A        0
## 3213 7.311349e+18 2020-08-11          0      0      6     <NA>        0
## 3214 7.316244e+18 2020-08-10          0      0      9        D        0
## 3215 7.316477e+18 2020-08-11          0      0     10     <NA>        0
## 3216 7.323486e+18 2020-08-18          0      0      2        A       31
## 3217 7.325653e+18 2020-08-11          0      0      3        A       16
## 3218 7.332243e+18 2020-08-15          0      0      3        A        0
## 3219 7.334661e+18 2020-08-20          0      0     56        C       31
## 3220 7.338340e+18 2020-08-19          0      0      1        B        0
## 3221 7.339583e+18 2020-08-18          0      0      1        A        0
## 3222 7.351584e+18 2020-08-18          0      0     24        C       81
## 3223 7.355156e+18 2020-08-15          0      0      9        E        0
## 3224 7.360075e+18 2020-08-19          0      0      1        A        9
## 3225 7.377342e+16 2020-08-14          0      0      2        A      141
## 3226 7.387894e+15 2020-08-11          0      0     46        B       40
## 3227 7.388691e+18 2020-08-14          0      0      7        A       41
## 3228 7.388953e+18 2020-08-19          0      0      7        G      223
## 3229 7.390504e+18 2020-08-19          0      0     10        C        0
## 3230 7.394080e+17 2020-08-11          0      0     13        C       42
## 3231 7.416444e+18 2020-08-19          0      0      4        A       51
## 3232 7.419356e+18 2020-08-17          0      0      1        A       53
## 3233 7.421091e+18 2020-08-14          0      0      3        A        0
## 3234 7.426594e+18 2020-08-11          0      0      9        C        0
## 3235 7.427288e+18 2020-08-10          0      0      5        B        0
## 3236 7.428145e+18 2020-08-19          0      0     43        A        0
## 3237 7.428673e+18 2020-08-17          0      0      3        A       10
## 3238 7.434930e+18 2020-08-18          0      0      8        A       31
## 3239 7.435856e+18 2020-08-17          0      0      2        B        0
## 3240 7.437594e+17 2020-08-11          0      0      1        A       44
## 3241 7.444633e+18 2020-08-16          0      0      1        A        0
## 3242 7.446760e+18 2020-08-12          0      0     30        C       59
## 3243 7.449010e+18 2020-08-12          0      0      5        C       39
## 3244 7.452402e+17 2020-08-12          0      0     34        A        0
## 3245 7.466766e+16 2020-08-14          0      0      2        A        0
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## 3246 7.474573e+18 2020-08-10        0     0     5     D    141
## 3247 7.485324e+18 2020-08-15        0     0     1     E      0
## 3248 7.486304e+18 2020-08-13        0     0     2     C      0
## 3249 7.489006e+18 2020-08-14        0     0     2     G    109
## 3250 7.499064e+18 2020-08-16        0     0    10     A     33
## 3251 7.510039e+18 2020-08-16        0     0     4     D     49
## 3252 7.511396e+18 2020-08-12        0     0    49     A      0
## 3253 7.514065e+18 2020-08-17        0     0     9     A      0
## 3254 7.523767e+18 2020-08-14        0     0     2     A     15
## 3255 7.528251e+18 2020-08-16        0     0     1     D     84
## 3256 7.546260e+18 2020-08-18        1   739   117     C      0
## 3257 7.553898e+18 2020-08-15        0     0    14     A      0
## 3258 7.556491e+18 2020-08-17        0     0    10     D    106
## 3259 7.565522e+18 2020-08-18        0     0     3     E      0
## 3260 7.565933e+18 2020-08-14        0     0     2     A      0
## 3261 7.569945e+18 2020-08-10        0     0     1     A      0
## 3262 7.572206e+18 2020-08-19        0     0     1     B      0
## 3263 7.575848e+18 2020-08-18        0     0     1     C     71
## 3264 7.577124e+18 2020-08-15        0     0     1     A     62
## 3265 7.577491e+18 2020-08-15        0     0     9     G     50
## 3266 7.591820e+18 2020-08-13        0     0     2     A     65
## 3267 7.593885e+18 2020-08-18        0     0     1     E      0
## 3268 7.595094e+18 2020-08-17        0     0     2     A    129
## 3269 7.608038e+17 2020-08-17        0     0    17     D     72
## 3270 7.610186e+18 2020-08-20        0     0     5     A      0
## 3271 7.612893e+18 2020-08-17        0     0    19     B      0
## 3272 7.618859e+18 2020-08-13        0     0    21     C     58
## 3273 7.635394e+18 2020-08-14        0     0     2     A     13
## 3274 7.637789e+18 2020-08-10        0     0    34     A     45
## 3275 7.642339e+18 2020-08-14        0     0     4     A      0
## 3276 7.645990e+18 2020-08-15        0     0     2     A     40
## 3277 7.646341e+18 2020-08-19        0     0     1     A     51
## 3278 7.651573e+18 2020-08-17        0     0     6     C     10
## 3279 7.661673e+18 2020-08-16        0     0    30     A      0
## 3280 7.662268e+17 2020-08-16        0     0     2     A      0
## 3281 7.664059e+18 2020-08-15        0     0     1     A     40
## 3282 7.667383e+17 2020-08-19        0     0    13     A      0
## 3283 7.668046e+18 2020-08-17        0     0     4     B      0
## 3284 7.669553e+18 2020-08-11        0     0     3     A     18
## 3285 7.676290e+18 2020-08-20        0     0     2     A    100
## 3286 7.680807e+17 2020-08-17        0     0     1     F     72
## 3287 7.682866e+18 2020-08-14        0     0     1     B     57
## 3288 7.684290e+18 2020-08-15        0     0    22     B     50
## 3289 7.696480e+18 2020-08-12        0     0     6     B     39
## 3290 7.699336e+18 2020-08-11        0     0     2     A    108
## 3291 7.708710e+18 2020-08-10        0     0    13     B     41
## 3292 7.709203e+18 2020-08-13        0     0     3     D    138
## 3293 7.713928e+18 2020-08-17        0     0    19     B      0
## 3294 7.714546e+18 2020-08-15        0     0     9     A      0
## 3295 7.717834e+18 2020-08-11        0     0    14  <NA>      4
## 3296 7.719391e+18 2020-08-17        0     0    10     A    129
## 3297 7.721533e+18 2020-08-16        0     0     8     A     33
## 3298 7.726962e+18 2020-08-17        0     0     1     A     38
## 3299 7.729974e+18 2020-08-16        0     0     6     A      0
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## 3300 7.732278e+18 2020-08-13       0       0       5       A       0
## 3301 7.737503e+18 2020-08-12       0       0       1       A       0
## 3302 7.740033e+18 2020-08-18       0       0       1       A       0
## 3303 7.745941e+18 2020-08-18       0       0       3       A      37
## 3304 7.748144e+18 2020-08-15       0       0      14       F      36
## 3305 7.749485e+18 2020-08-14       0       0      18       G      51
## 3306 7.752831e+18 2020-08-12       0       0      10       F       0
## 3307 7.756706e+18 2020-08-10       0       0       2       A      17
## 3308 7.761927e+18 2020-08-19       0       0      10       A      36
## 3309 7.761960e+18 2020-08-13       0       0       1       A      42
## 3310 7.766191e+18 2020-08-12       1     398      11       D       0
## 3311 7.771926e+18 2020-08-17       0       0       2       A      38
## 3312 7.773339e+18 2020-08-20       0       0       1       C      69
## 3313 7.774221e+18 2020-08-20       0       0       6       A       8
## 3314 7.778065e+18 2020-08-20       0       0       3       A     141
## 3315 7.779455e+18 2020-08-18       0       0       4       D       0
## 3316 7.780333e+18 2020-08-19       0       0       1       E     127
## 3317 7.789278e+18 2020-08-16       0       0       9       C      81
## 3318 7.793977e+18 2020-08-15       0       0       2       A      31
## 3319 7.800180e+18 2020-08-11       0       0       1       A       0
## 3320 7.809019e+18 2020-08-19       0       0      23    <NA>       0
## 3321 7.811938e+18 2020-08-19       0       0       9       A       0
## 3322 7.814907e+17 2020-08-13       0       0       2       A      62
## 3323 7.816687e+17 2020-08-16       0       0       8       E       0
## 3324 7.818807e+18 2020-08-18       0       0      18       A      52
## 3325 7.819715e+17 2020-08-13       0       0      10       A       0
## 3326 7.831184e+18 2020-08-15       1    1339       5       A      65
## 3327 7.831320e+18 2020-08-11       0       0       4       A      16
## 3328 7.842665e+18 2020-08-10       1     739     146       C       0
## 3329 7.844158e+18 2020-08-19       0       0       1       A       0
## 3330 7.848343e+17 2020-08-16       0       0      12       C      81
## 3331 7.852788e+18 2020-08-12       0       0       7       D      39
## 3332 7.856647e+18 2020-08-14       0       0       2       A       0
## 3333 7.856913e+18 2020-08-20       0       0       5    <NA>       0
## 3334 7.861040e+18 2020-08-13       0       0       2       A       0
## 3335 7.862834e+17 2020-08-12       0       0       5       A       0
## 3336 7.868715e+18 2020-08-17       0       0       3       A      53
## 3337 7.869887e+18 2020-08-14       0       0       7       A       0
## 3338 7.880114e+18 2020-08-12       0       0       1       A     141
## 3339 7.880707e+18 2020-08-10       0       0      16       A      65
## 3340 7.887109e+18 2020-08-17       0       0       8       A       0
## 3341 7.887417e+18 2020-08-17       0       0       8       D       0
## 3342 7.889684e+18 2020-08-18       0       0       5       C      65
## 3343 7.893561e+18 2020-08-19       0       0       8       A       0
## 3344 7.899009e+18 2020-08-17       0       0       5       E       0
## 3345 7.899761e+18 2020-08-17       0       0       1       A     141
## 3346 7.901546e+18 2020-08-14       0       0       2       A       0
## 3347 7.908537e+18 2020-08-12       0       0      11       G     159
## 3348 7.914418e+18 2020-08-10       0       0       3       D       0
## 3349 7.915887e+18 2020-08-17       0       0       2       D       0
## 3350 7.916509e+17 2020-08-14       0       0      28       A      13
## 3351 7.917630e+18 2020-08-19       0       0       3       A       8
## 3352 7.940163e+18 2020-08-17       0       0       2       A       0
## 3353 7.953371e+18 2020-08-14       1     499      43       B      37
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## 3354 7.964293e+18 2020-08-17         0      0      2      D      72
## 3355 7.965620e+18 2020-08-13         0      0     17      A      42
## 3356 7.971804e+18 2020-08-13         0      0      6      B      38
## 3357 7.988949e+18 2020-08-15         0      0      2      A       0
## 3358 7.991096e+18 2020-08-12         0      0     20      F      39
## 3359 7.998947e+18 2020-08-11         0      0     36      A      16
## 3360 7.999709e+18 2020-08-17         0      0     13      B      34
## 3361 8.665018e+18 2020-08-17         0      0     56      F      48
## 3362 8.001160e+18 2020-08-17         0      0      2      G     208
## 3363 8.002405e+18 2020-08-14         0      0     34      F     105
## 3364 8.002984e+18 2020-08-16         0      0      7      A      54
## 3365 8.003383e+18 2020-08-10         0      0      9   <NA>       0
## 3366 8.004076e+18 2020-08-13         0      0      4      C      14
## 3367 8.007180e+18 2020-08-17         0      0      1      A      53
## 3368 8.033966e+18 2020-08-15         0      0     10      A     141
## 3369 8.035954e+18 2020-08-18         0      0      3      D       0
## 3370 8.048581e+18 2020-08-16         0      0     10      A      55
## 3371 8.050069e+18 2020-08-11         0      0     26      A       0
## 3372 8.059834e+17 2020-08-15         0      0      1      A      40
## 3373 8.062663e+17 2020-08-15         0      0      1      A      13
## 3374 8.064840e+18 2020-08-11         0      0     21      C      81
## 3375 8.065416e+18 2020-08-19         0      0     22      C      27
## 3376 8.067233e+18 2020-08-17         0      0      8      A      53
## 3377 8.075404e+17 2020-08-12         0      0      1      A      89
## 3378 8.076179e+18 2020-08-20         0      0      5      D       0
## 3379 8.081003e+18 2020-08-13         0      0      4      D       0
## 3380 8.092093e+18 2020-08-15         0      0      4      G     223
## 3381 8.094714e+18 2020-08-14         0      0      1      A      65
## 3382 8.100122e+17 2020-08-19         0      0      1      A       0
## 3383 8.100454e+18 2020-08-12         0      0     28      A       0
## 3384 8.106075e+18 2020-08-11         0      0     26      A      16
## 3385 8.106287e+18 2020-08-11         0      0     17      A       0
## 3386 8.106377e+18 2020-08-11         0      0     45      A       0
## 3387 8.107859e+18 2020-08-11         0      0      2      A       0
## 3388 8.110731e+18 2020-08-14         0      0     11      F       0
## 3389 8.110885e+18 2020-08-19         1    899     21      C       0
## 3390 8.113499e+18 2020-08-20         0      0      1      A      35
## 3391 8.115669e+18 2020-08-10         0      0      1      A       0
## 3392 8.115915e+18 2020-08-12         0      0      1      E     134
## 3393 8.116123e+18 2020-08-16         0      0      4      A       0
## 3394 8.130562e+18 2020-08-13         0      0     24      C      58
## 3395 8.138662e+18 2020-08-11         0      0      9      F     109
## 3396 8.141617e+18 2020-08-14         0      0     18      A       0
## 3397 8.143949e+18 2020-08-15         0      0      1      A       0
## 3398 8.143994e+18 2020-08-18         0      0      3      A      28
## 3399 8.144246e+17 2020-08-16         1    989     52      A       0
## 3400 8.159704e+18 2020-08-16         1   1729      8      A       0
## 3401 8.161941e+18 2020-08-18         0      0      2      G     208
## 3402 8.163425e+18 2020-08-14         0      0     37      F      37
## 3403 8.167109e+16 2020-08-15         0      0     16   <NA>       0
## 3404 8.167116e+18 2020-08-12         0      0      2      D       0
## 3405 8.172947e+18 2020-08-18         0      0     20      B       0
## 3406 8.173611e+18 2020-08-16         0      0      5      A      33
## 3407 8.178739e+18 2020-08-16         0      0     32      B       0
```

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## 3408 8.185758e+18 2020-08-17        0       0       1    <NA>      81
## 3409 8.192011e+18 2020-08-10        0       0       3       D       0
## 3410 8.193290e+18 2020-08-12        0       0      33       F      15
## 3411 8.204230e+17 2020-08-11        0       0       2       A      90
## 3412 8.211551e+18 2020-08-17        0       0       3       B      34
## 3413 8.215334e+18 2020-08-12        0       0       1       A       0
## 3414 8.221568e+18 2020-08-19        0       0      18       B       0
## 3415 8.223072e+18 2020-08-17        0       0       1       A      38
## 3416 8.223337e+18 2020-08-10        0       0       5       E      18
## 3417 8.227283e+18 2020-08-17        0       0       6       D       0
## 3418 8.230593e+18 2020-08-19        0       0       9       F     101
## 3419 8.231115e+18 2020-08-20        0       0       2       A       0
## 3420 8.231582e+18 2020-08-20        0       0      10       B       0
## 3421 8.238008e+18 2020-08-17        0       0       6       A     103
## 3422 8.239642e+17 2020-08-12        0       0       3       A       0
## 3423 8.245665e+18 2020-08-12        0       0       5       A       0
## 3424 8.248904e+17 2020-08-17        0       0       2       F       0
## 3425 8.252997e+18 2020-08-13        0       0      22       B      81
## 3426 8.262759e+18 2020-08-17        0       0       4       C      72
## 3427 8.272898e+18 2020-08-16        0       0       9       A       0
## 3428 8.282085e+18 2020-08-16        0       0       2       D       0
## 3429 8.282117e+18 2020-08-20        0       0       2       D       0
## 3430 8.287692e+18 2020-08-15        0       0       4       A       0
## 3431 8.288853e+18 2020-08-11        0       0      11       C       0
## 3432 8.292690e+18 2020-08-11        0       0       8       A      44
## 3433 8.305647e+18 2020-08-13        0       0      14       B       0
## 3434 8.313684e+18 2020-08-18        0       0       9       A       9
## 3435 8.324885e+18 2020-08-13        0       0       3       A       0
## 3436 8.332206e+18 2020-08-16        0       0       4       A       0
## 3437 8.335720e+18 2020-08-10        0       0      59       B      41
## 3438 8.337848e+18 2020-08-12        0       0       7       A     108
## 3439 8.344489e+18 2020-08-17        0       0      31       A      53
## 3440 8.345390e+18 2020-08-20        0       0       8       A      50
## 3441 8.347616e+18 2020-08-18        0       0       6       A       0
## 3442 8.350776e+18 2020-08-17        0       0       1    <NA>      29
## 3443 8.361649e+18 2020-08-19        0       0       5       C     208
## 3444 8.362061e+17 2020-08-10        1     599      29       B      41
## 3445 8.367628e+18 2020-08-18        0       0      13       F     102
## 3446 8.371797e+18 2020-08-12        0       0       5       D       0
## 3447 8.372691e+18 2020-08-20        0       0       2       A      81
## 3448 8.374136e+18 2020-08-19        0       0       2       A      36
## 3449 8.374809e+18 2020-08-13        0       0      27       A       0
## 3450 8.385826e+18 2020-08-18        0       0      35       A      37
## 3451 8.388813e+18 2020-08-18        0       0       4       A      28
## 3452 8.390325e+18 2020-08-18        0       0       2       A      37
## 3453 8.407988e+18 2020-08-14        0       0      15       F       0
## 3454 8.409048e+18 2020-08-14        0       0       1       D      37
## 3455 8.424142e+18 2020-08-16        0       0       1       A       0
## 3456 8.427921e+18 2020-08-19        0       0      91       A       0
## 3457 8.440934e+18 2020-08-17        0       0       5       A     141
## 3458 8.441380e+18 2020-08-15        0       0      33       A      31
## 3459 8.447005e+18 2020-08-19        0       0      35       A      51
## 3460 8.447059e+18 2020-08-15        0       0       2       A      62
## 3461 8.452745e+18 2020-08-10        0       0       1       A       0
```

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## 3462 8.454003e+18 2020-08-14        0       0     11       F     106
## 3463 8.455254e+18 2020-08-10        0       0      8       A      45
## 3464 8.455860e+17 2020-08-11        0       0     22       F      16
## 3465 8.463513e+18 2020-08-11        0       0      4       A       0
## 3466 8.469272e+18 2020-08-17        0       0     28       B      72
## 3467 8.469887e+18 2020-08-20        0       0      4       A       0
## 3468 8.472394e+18 2020-08-20        0       0     20       C       0
## 3469 8.472968e+18 2020-08-20        0       0     16       G     103
## 3470 8.473833e+18 2020-08-20        0       0      1       A      29
## 3471 8.475500e+18 2020-08-12        0       0      1       A      15
## 3472 8.484053e+18 2020-08-20        0       0     20       A       0
## 3473 8.487247e+18 2020-08-11        0       0      4       F     141
## 3474 8.487770e+18 2020-08-17        0       0      4       A       0
## 3475 8.502334e+18 2020-08-18        0       0      2       B       0
## 3476 8.502405e+16 2020-08-18        1     569      6       A      52
## 3477 8.503918e+18 2020-08-20        0       0      2       A       0
## 3478 8.505223e+18 2020-08-12        0       0     26       F      53
## 3479 8.507542e+18 2020-08-10        0       0      3       A      19
## 3480 8.507750e+17 2020-08-12        0       0      2       A       0
## 3481 8.512435e+18 2020-08-13        0       0      8       A       0
## 3482 8.512809e+18 2020-08-14        0       0     27       B       0
## 3483 8.519240e+18 2020-08-17        0       0      1       A      29
## 3484 8.525041e+18 2020-08-17        0       0      1       A      38
## 3485 8.542795e+18 2020-08-15        0       0     31       C      14
## 3486 8.544507e+18 2020-08-18        0       0      1       A       0
## 3487 8.546847e+18 2020-08-15        0       0     10       A       0
## 3488 8.553019e+18 2020-08-11        0       0      6       B       0
## 3489 8.558187e+18 2020-08-12        0       0      3       E      16
## 3490 8.559059e+18 2020-08-13        0       0     27       A       0
## 3491 8.572364e+18 2020-08-12        0       0      3       A       0
## 3492 8.572905e+18 2020-08-20        1    1499     32       A       8
## 3493 8.573840e+18 2020-08-20        0       0      7       A       0
## 3494 8.574016e+18 2020-08-18        0       0      7       A      28
## 3495 8.575745e+18 2020-08-11        0       0      4       B       0
## 3496 8.578718e+18 2020-08-16        0       0     17       F      33
## 3497 8.582187e+18 2020-08-17        0       0      2       A       0
## 3498 8.588737e+18 2020-08-12        0       0      5       G      53
## 3499 8.590432e+18 2020-08-17        0       0      2       B       0
## 3500 8.593902e+18 2020-08-15        0       0      9       A     105
## 3501 8.602060e+18 2020-08-11        0       0      3       A      92
## 3502 8.613534e+18 2020-08-18        0       0      9       A       0
## 3503 8.615790e+18 2020-08-20        0       0      2       A     141
## 3504 8.619817e+18 2020-08-16        0       0      2       A      12
## 3505 8.620715e+18 2020-08-14        0       0     23       C       0
## 3506 8.622877e+18 2020-08-15        0       0     19       C       0
## 3507 8.630615e+18 2020-08-17        0       0      3       A       0
## 3508 8.632911e+18 2020-08-18        0       0      2       A       0
## 3509 8.634901e+17 2020-08-17        0       0     51       C      34
## 3510 8.634950e+18 2020-08-11        0       0      1       A       0
## 3511 8.646678e+18 2020-08-14        0       0      2       A      13
## 3512 8.647906e+18 2020-08-14        0       0     18       A       0
## 3513 8.651426e+18 2020-08-17        1     739    126       C       0
## 3514 8.654536e+18 2020-08-18        1     699      1       F       0
## 3515 8.655789e+18 2020-08-10        0       0     10       C      62
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## 3516 8.657590e+18 2020-08-12       0      0      1      A      0
## 3517 8.658803e+18 2020-08-19       0      0      9      A     36
## 3518 8.659361e+18 2020-08-15       0      0     21      A     13
## 3519 8.662244e+18 2020-08-15       0      0     40      A     40
## 3520 8.667133e+18 2020-08-17       0      0      1      A     38
## 3521 8.668068e+18 2020-08-12       0      0      1      D     16
## 3522 8.673800e+18 2020-08-16       0      0      3      A     54
## 3523 8.677883e+18 2020-08-15       0      0      1      D      0
## 3524 8.678770e+18 2020-08-18       0      0      3      B     71
## 3525 8.681231e+18 2020-08-12       0      0      7      B     77
## 3526 8.687854e+18 2020-08-13       0      0      6      E      0
## 3527 8.701944e+15 2020-08-15       0      0      1      A      0
## 3528 8.707128e+18 2020-08-12       0      0      1      A     15
## 3529 8.707152e+17 2020-08-18       0      0      5      D      0
## 3530 8.711614e+18 2020-08-13       0      0     17      F     42
## 3531 8.739258e+18 2020-08-12       0      0      5      C     59
## 3532 8.742201e+18 2020-08-11       0      0      3      A     92
## 3533 8.744661e+18 2020-08-19       0      0      3      D     65
## 3534 8.745350e+18 2020-08-12       0      0     11      A     43
## 3535 8.752346e+18 2020-08-17       0      0     18      D     32
## 3536 8.757853e+18 2020-08-12       0      0      1      D      0
## 3537 8.759252e+18 2020-08-19       2   1578     35      C     32
## 3538 8.760185e+17 2020-08-11       0      0      4      A    141
## 3539 8.760669e+18 2020-08-20       0      0      3      C     81
## 3540 8.783313e+18 2020-08-11       1   1339     50      A     16
## 3541 8.786289e+18 2020-08-11       0      0     19      A     16
## 3542 8.788476e+18 2020-08-13       0      0      8      A     14
## 3543 8.790055e+18 2020-08-19       0      0     22      B     46
## 3544 8.794869e+18 2020-08-10       0      0      1      A      0
## 3545 8.799856e+18 2020-08-18       0      0      2      A      0
## 3546 8.809952e+18 2020-08-14       0      0      3      A      0
## 3547 8.810263e+18 2020-08-16       0      0     16      C      0
## 3548 8.823384e+18 2020-08-11       0      0      9      A      0
## 3549 8.823932e+18 2020-08-14       0      0     23      C      0
## 3550 8.824384e+18 2020-08-16       0      0      3      A     12
## 3551 8.829191e+18 2020-08-10       0      0     44      A      0
## 3552 8.830259e+18 2020-08-15       0      0      1      E      0
## 3553 8.832317e+18 2020-08-15       0      0      7      A      0
## 3554 8.837698e+17 2020-08-12       0      0      2      A      0
## 3555 8.845209e+18 2020-08-19       0      0      3      A      0
## 3556 8.847288e+18 2020-08-13       0      0      1      A      0
## 3557 8.850687e+18 2020-08-19       0      0      3      D      0
## 3558 8.852793e+18 2020-08-19       0      0      3      B    208
## 3559 8.855921e+18 2020-08-15       0      0     11      A      0
## 3560 8.859086e+18 2020-08-17       0      0     13      A      0
## 3561 8.866757e+18 2020-08-12       0      0      5      A      0
## 3562 8.869670e+18 2020-08-10       0      0     14      C      0
## 3563 8.882804e+18 2020-08-14       0      0      3      E      0
## 3564 8.886337e+17 2020-08-16       0      0      3      A     39
## 3565 8.890768e+18 2020-08-13       0      0     21      C      0
## 3566 8.891396e+18 2020-08-11       0      0      1      A      0
## 3567 8.894885e+18 2020-08-16       0      0      2      D      0
## 3568 8.907762e+18 2020-08-13       0      0      6      A     42
## 3569 8.908233e+18 2020-08-20       0      0      8      A    141
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## 3570 8.915473e+18 2020-08-14       0     0    15      F      0
## 3571 8.917064e+18 2020-08-19       0     0     5      F      0
## 3572 8.919304e+18 2020-08-11       0     0     1      A     90
## 3573 8.919599e+18 2020-08-10       0     0     8      D     65
## 3574 8.923815e+18 2020-08-13       0     0     1      A     42
## 3575 8.924188e+18 2020-08-18       0     0     2      F      0
## 3576 8.931912e+18 2020-08-11       0     0     5      A     92
## 3577 8.933929e+18 2020-08-20       0     0     2      E      0
## 3578 8.940403e+18 2020-08-15       0     0    10      F      0
## 3579 8.941127e+18 2020-08-11       0     0     2      A      0
## 3580 8.947083e+18 2020-08-18       0     0     6      A    128
## 3581 8.961811e+18 2020-08-14       0     0     2      A     65
## 3582 8.965633e+18 2020-08-18       0     0     6      A     52
## 3583 8.967250e+18 2020-08-20       0     0     1      F     26
## 3584 8.968771e+18 2020-08-15       0     0     2      D    136
## 3585 8.973100e+18 2020-08-19       0     0    43      B      0
## 3586 8.977094e+18 2020-08-14       1   549     8      A      0
## 3587 8.980079e+18 2020-08-14       0     0    13      A     14
## 3588 8.990439e+18 2020-08-10       0     0     7      D     41
## 3589 8.992087e+17 2020-08-18       0     0    11      C     71
## 3590 8.996578e+18 2020-08-18       0     0     4      D     10
## 3591 8.999932e+18 2020-08-10       0     0     1      A      0
## 3592 9.142813e+18 2020-08-14       0     0     4      B      0
## 3593 9.001728e+18 2020-08-15       0     0     1      A     40
## 3594 9.004561e+18 2020-08-20       0     0    29      B     81
## 3595 9.006144e+17 2020-08-11       0     0     2      A     18
## 3596 9.006312e+18 2020-08-11       0     0     2      A      0
## 3597 9.010411e+18 2020-08-10       0     0     8      C      0
## 3598 9.015626e+18 2020-08-20       0     0     6      A      0
## 3599 9.017642e+18 2020-08-19       0     0     1      D      0
## 3600 9.022555e+17 2020-08-15       0     0    26      C     62
## 3601 9.023294e+18 2020-08-12       0     0    20      B     53
## 3602 9.024759e+18 2020-08-20       0     0     5      C      0
## 3603 9.028005e+18 2020-08-14       0     0     1      B      0
## 3604 9.037833e+18 2020-08-15       0     0    34      B     36
## 3605 9.045284e+18 2020-08-10       0     0     5      C    208
## 3606 9.047726e+18 2020-08-12       0     0     8      A      0
## 3607 9.050610e+18 2020-08-14       0     0     3      A      0
## 3608 9.061590e+18 2020-08-10       0     0     2      A      0
## 3609 9.061861e+18 2020-08-14       0     0     5      C     81
## 3610 9.077124e+18 2020-08-16       0     0     2      A     39
## 3611 9.077412e+18 2020-08-18       0     0     6      A      0
## 3612 9.084739e+18 2020-08-14       0     0    13   <NA>      0
## 3613 9.093942e+18 2020-08-14       0     0     4      D      0
## 3614 9.108125e+18 2020-08-13       0     0     3      B      0
## 3615 9.110496e+18 2020-08-12       0     0     3      B      0
## 3616 9.114113e+18 2020-08-20       0     0     3      A     29
## 3617 9.126195e+18 2020-08-10       0     0     4      B      0
## 3618 9.127453e+18 2020-08-14       0     0    22      C     81
## 3619 9.127668e+17 2020-08-19       0     0     6      A     70
## 3620 9.133579e+18 2020-08-10       0     0    17      A     65
## 3621 9.137444e+18 2020-08-14       0     0     7      C     51
## 3622 9.139176e+18 2020-08-13       0     0     2      G     52
## 3623 9.143400e+18 2020-08-16       0     0    23      C     30
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## 3624 9.148269e+18 2020-08-14        0       0       9       A       41
## 3625 9.149014e+18 2020-08-20        0       0       6       A        0
## 3626 9.154303e+18 2020-08-16        0       0       2       E        0
## 3627 9.154760e+17 2020-08-18        0       0       4       D       71
## 3628 9.159652e+18 2020-08-18        0       0       1       A       52
## 3629 9.160976e+18 2020-08-20        0       0       5       A        0
## 3630 9.167836e+18 2020-08-12        0       0       5       A        0
## 3631 9.172686e+18 2020-08-10        0       0       3       A       45
## 3632 9.174815e+18 2020-08-17        0       0       2       A        0
## 3633 9.180842e+18 2020-08-14        0       0       2       A        0
## 3634 9.184196e+18 2020-08-20        0       0       2       C        0
## 3635 9.187753e+18 2020-08-18        0       0       2       A       37
## 3636 9.189387e+18 2020-08-13        0       0       6       A        0
## 3637 9.190266e+18 2020-08-19        1     939      44       C        0
## 3638 9.194221e+17 2020-08-17        0       0       3       G       83
## 3639 9.197518e+17 2020-08-11        0       0       2       A        0
## 3640 9.198534e+18 2020-08-14        0       0       1       A      141
## 3641 9.199312e+17 2020-08-10        0       0       1       A       45
## 3642 9.201995e+18 2020-08-19        0       0       2       A       36
## 3643 9.203847e+18 2020-08-14        0       0       8       A        0
## 3644 9.211661e+18 2020-08-16        0       0       7       A       33
## 3645 9.214252e+18 2020-08-16        0       0       6       B       81
## 3646 9.215501e+18 2020-08-11        0       0       6       A        0
## 3647 9.221085e+18 2020-08-19        0       0       4       C       70
## 3648 9.232317e+18 2020-08-19        0       0       1       E        0
## 3649 9.235771e+18 2020-08-13        0       0       4       A        0
## 3650 9.237171e+18 2020-08-12        0       0      10       A       43
## 3651 9.237470e+18 2020-08-13        0       0      11       A       15
## 3652 9.238648e+18 2020-08-15        0       0      14       A      131
## 3653 9.240907e+18 2020-08-10        0       0       5       A        0
## 3654 9.247029e+18 2020-08-10        0       0       1       A        0
## 3655 9.254134e+18 2020-08-16        0       0       4       D       49
## 3656 9.257778e+17 2020-08-13        0       0      28       A        0
## 3657 9.260333e+18 2020-08-14        0       0      42       B        0
## 3658 9.268384e+18 2020-08-10        0       0      11       D       55
## 3659 9.269710e+18 2020-08-14        0       0       1       A       15
## 3660 9.271908e+18 2020-08-11        0       0       1       E       99
## 3661 9.273439e+17 2020-08-18        0       0       3       A        0
## 3662 9.282931e+18 2020-08-16        0       0       5       D        0
## 3663 9.283893e+18 2020-08-15        0       0      12       B       56
## 3664 9.285840e+18 2020-08-11        0       0       2       A        0
## 3665 9.286254e+18 2020-08-13        0       0       2       D      158
## 3666 9.293938e+18 2020-08-17        0       0       2       A        0
## 3667 9.298889e+18 2020-08-20        0       0       3       D        0
## 3668 9.306342e+18 2020-08-12        0       0      12       A        0
## 3669 9.309892e+18 2020-08-19        0       0       9       C       46
## 3670 9.310804e+18 2020-08-13        0       0      14       G       52
## 3671 9.319293e+18 2020-08-10        0       0       2       A       93
## 3672 9.321535e+18 2020-08-19        0       0       4       A       30
## 3673 9.325707e+18 2020-08-14        0       0       8       B       37
## 3674 9.362271e+18 2020-08-13        0       0      13       A        0
## 3675 9.362726e+18 2020-08-17        0       0      11       D      154
## 3676 9.363085e+18 2020-08-10        0       0       9       A       45
## 3677 9.370120e+18 2020-08-15        0       0       8       G      208
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## 3678 9.370373e+18 2020-08-16        0        0        1        A        54
## 3679 9.372593e+18 2020-08-11        0        0       22        B         0
## 3680 9.376923e+18 2020-08-17        0        0        4        A         0
## 3681 9.377315e+18 2020-08-15        1      399       44        B        36
## 3682 9.380404e+18 2020-08-11        0        0       27        G         0
## 3683 9.382236e+18 2020-08-18        0        0       13        C         9
## 3684 9.397807e+18 2020-08-18        0        0        2        A        37
## 3685 9.404400e+18 2020-08-16        0        0       10        F         0
## 3686 9.409323e+18 2020-08-11        0        0        1        A         0
## 3687 9.413320e+18 2020-08-18        0        0        3        A         0
## 3688 9.420476e+18 2020-08-12        0        0        3        A       108
## 3689 9.423404e+18 2020-08-11        0        0        4        A         0
## 3690 9.425383e+18 2020-08-11        0        0        8        D        54
## 3691 9.426955e+18 2020-08-19        0        0        5        C       118
## 3692 9.449628e+18 2020-08-14        0        0        2        A         0
## 3693 9.457596e+18 2020-08-15        0        0        3        A         0
## 3694 9.458520e+17 2020-08-14        0        0        2        A        65
## 3695 9.463702e+18 2020-08-18        0        0        9        B        33
## 3696 9.465902e+18 2020-08-16        0        0        6        A         0
## 3697 9.469189e+18 2020-08-19        0        0       22        A        51
## 3698 9.475900e+18 2020-08-15        0        0        1        E         0
## 3699 9.477403e+18 2020-08-10        0        0       63        A        45
## 3700 9.479994e+18 2020-08-20        0        0        6        C        81
## 3701 9.481846e+18 2020-08-10        0        0        2        A        17
## 3702 9.482343e+17 2020-08-19        0        0        9        A         9
## 3703 9.482407e+18 2020-08-10        0        0       10        C        93
## 3704 9.489021e+18 2020-08-16        0        0       26        B         0
## 3705 9.499207e+18 2020-08-19        0        0        5        A         0
## 3706 9.504249e+18 2020-08-20        0        0        8        A         0
## 3707 9.506859e+18 2020-08-20        0        0        7        B         0
## 3708 9.521641e+18 2020-08-16        0        0      104        A         0
## 3709 9.525519e+18 2020-08-15        0        0       14        C        12
## 3710 9.525882e+16 2020-08-15        0        0        1        A         0
## 3711 9.527693e+18 2020-08-10        0        0        1        A         0
## 3712 9.529070e+18 2020-08-17        0        0       10        C        81
## 3713 9.541527e+18 2020-08-18        0        0       15        C        71
## 3714 9.545666e+18 2020-08-20        0        0       46        C        81
## 3715 9.546814e+18 2020-08-18        0        0       12        C        61
## 3716 9.549216e+18 2020-08-18        0        0        5        A         0
## 3717 9.555946e+18 2020-08-19        0        0        2        D         0
## 3718 9.556788e+18 2020-08-16        0        0        1        E         0
## 3719 9.562962e+18 2020-08-19        0        0        5        A         0
## 3720 9.564457e+18 2020-08-20        0        0        3        C       208
## 3721 9.564987e+18 2020-08-14        0        0       25        A         0
## 3722 9.565658e+18 2020-08-20        0        0        7        A         0
## 3723 9.567176e+18 2020-08-17        0        0       22        F       102
## 3724 9.569770e+18 2020-08-12        0        0        4        C         0
## 3725 9.574675e+18 2020-08-13        0        0        3        B         0
## 3726 9.576185e+17 2020-08-19        0        0       24        F        32
## 3727 9.579115e+18 2020-08-10        0        0        2        A         0
## 3728 9.582277e+18 2020-08-11        0        0        2     <NA>         0
## 3729 9.587170e+18 2020-08-17        0        0       12        A        38
## 3730 9.587799e+18 2020-08-18        0        0        2        C       208
## 3731 9.590955e+18 2020-08-10        0        0       13        D         0
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## 3732 9.593250e+17 2020-08-14       0    0   11    D    51
## 3733 9.595723e+18 2020-08-19       0    0    6    C     0
## 3734 9.595746e+18 2020-08-19       0    0   26    C    30
## 3735 9.596892e+18 2020-08-14       0    0    3    D    81
## 3736 9.597000e+18 2020-08-15       0    0    5    A    40
## 3737 9.597375e+17 2020-08-15       0    0    1    D     0
## 3738 9.598086e+18 2020-08-19       0    0    1    A    27
## 3739 9.599983e+18 2020-08-12       0    0    1    A    89
## 3740 9.601087e+18 2020-08-20       0    0    2    A    50
## 3741 9.602144e+18 2020-08-14       0    0    1    A     0
## 3742 9.606558e+18 2020-08-14       0    0   67    C   208
## 3743 9.610989e+18 2020-08-17       0    0    2    A     0
## 3744 9.612954e+18 2020-08-12       1  599   31    B    39
## 3745 9.616354e+18 2020-08-14       0    0    2    A    62
## 3746 9.618390e+18 2020-08-19       0    0    3    A     0
## 3747 9.622055e+18 2020-08-18       0    0    4    A     0
## 3748 9.637029e+18 2020-08-15       0    0   41    B    36
## 3749 9.640799e+18 2020-08-17       0    0    9    C    10
## 3750 9.641066e+18 2020-08-10       0    0   13    A     0
## 3751 9.643632e+17 2020-08-13       1 2159    8    A     0
## 3752 9.643767e+18 2020-08-14       0    0   38    A     0
## 3753 9.646110e+17 2020-08-18       0    0    1    A    37
## 3754 9.653617e+18 2020-08-15       0    0   11    C    56
## 3755 9.668391e+18 2020-08-11       0    0    6    A    17
## 3756 9.680330e+18 2020-08-14       0    0    1    A     0
## 3757 9.683596e+18 2020-08-16       0    0    3    A     0
## 3758 9.684289e+18 2020-08-13       0    0   34 <NA>  131
## 3759 9.694004e+18 2020-08-19       1  399   27    B    62
## 3760 9.694881e+18 2020-08-13       0    0    3    A   141
## 3761 9.694919e+17 2020-08-15       0    0    6    A     0
## 3762 9.698097e+18 2020-08-17       0    0    7    A    29
## 3763 9.698588e+18 2020-08-17       0    0    1    A    53
## 3764 9.698794e+18 2020-08-13       0    0    5    A    62
## 3765 9.703503e+17 2020-08-10       0    0    2    A    65
## 3766 9.705368e+17 2020-08-10       0    0    8    C     0
## 3767 9.724310e+18 2020-08-15       0    0    7    A    12
## 3768 9.725507e+18 2020-08-20       0    0    4    A    50
## 3769 9.733975e+17 2020-08-15       0    0    3    C    81
## 3770 9.734359e+18 2020-08-20       0    0    8    D   151
## 3771 9.734715e+18 2020-08-13       0    0    6    A    16
## 3772 9.739745e+18 2020-08-10       0    0    5    E     0
## 3773 9.741392e+18 2020-08-10       0    0    1    A    17
## 3774 9.747345e+18 2020-08-12       0    0    8    A    43
## 3775 9.749018e+18 2020-08-16       0    0    3    D     0
## 3776 9.751373e+18 2020-08-19       0    0    3    D    32
## 3777 9.759551e+18 2020-08-18       0    0   12    B     0
## 3778 9.764724e+18 2020-08-11       0    0    1    A     0
## 3779 9.766839e+18 2020-08-18       0    0   14    F    33
## 3780 9.768571e+18 2020-08-16       0    0    1    D     0
## 3781 9.771508e+18 2020-08-19       0    0    3    D   132
## 3782 9.774974e+18 2020-08-15       0    0   50    A     0
## 3783 9.775236e+18 2020-08-19       0    0    8    C   208
## 3784 9.789319e+18 2020-08-14       0    0   44    F    51
## 3785 9.789934e+18 2020-08-14       0    0   12    A    15
```

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## 3786 9.794741e+18 2020-08-17        0     0    51      A      0
## 3787 9.796148e+18 2020-08-10        0     0    10      C     41
## 3788 9.797702e+17 2020-08-11        0     0    36      A      0
## 3789 9.800749e+18 2020-08-14        0     0     5      A     13
## 3790 9.804677e+17 2020-08-17        0     0    19      B     62
## 3791 9.810002e+18 2020-08-18        0     0    10      A     52
## 3792 9.814040e+18 2020-08-18        0     0     2      B      0
## 3793 9.820122e+17 2020-08-15        0     0     1      A     65
## 3794 9.841824e+18 2020-08-13        0     0     5      A      0
## 3795 9.844385e+18 2020-08-18        0     0     3      D    105
## 3796 9.844880e+18 2020-08-16        0     0     7      C     49
## 3797 9.849045e+18 2020-08-17        0     0     4      A    103
## 3798 9.851045e+18 2020-08-17        0     0     2      A     53
## 3799 9.856580e+17 2020-08-19        0     0    13      B     70
## 3800 9.859422e+18 2020-08-18        0     0     1      A      0
## 3801 9.860247e+18 2020-08-14        0     0     1      A     14
## 3802 9.861684e+18 2020-08-12        0     0     4      A     59
## 3803 9.869589e+18 2020-08-13        0     0     3      A      0
## 3804 9.879206e+18 2020-08-17        0     0     1      A      0
## 3805 9.884531e+18 2020-08-11        0     0    18      C     18
## 3806 9.893659e+18 2020-08-15        0     0     1      B      0
## 3807 9.898054e+18 2020-08-10        0     0     4      A     62
## 3808 9.898356e+18 2020-08-17        0     0    10      A      0
## 3809 9.898972e+18 2020-08-14        1   679     2      A      0
## 3810 9.901833e+18 2020-08-13        0     0    21      A      0
## 3811 9.902522e+18 2020-08-17        0     0     2      A      0
## 3812 9.903956e+18 2020-08-18        0     0     3      A     52
## 3813 9.910829e+18 2020-08-11        0     0     5      A    109
## 3814 9.911746e+18 2020-08-15        0     0     2      A      0
## 3815 9.918529e+17 2020-08-19        0     0     1      E      0
## 3816 9.922261e+18 2020-08-13        0     0     1      C     58
## 3817 9.925305e+18 2020-08-10        1   209    18      D    161
## 3818 9.929637e+18 2020-08-18        0     0    34      C     33
## 3819 9.932056e+18 2020-08-17        0     0     2      A     32
## 3820 9.934800e+18 2020-08-14        0     0    13      C      0
## 3821 9.937194e+18 2020-08-13        0     0     6      F      0
## 3822 9.938888e+18 2020-08-14        0     0     1      A     41
## 3823 9.941006e+18 2020-08-20        0     0    31      F     31
## 3824 9.944224e+18 2020-08-11        0     0     1      A     16
## 3825 9.949873e+18 2020-08-20        0     0     1      A     35
## 3826 9.952553e+18 2020-08-11        0     0     5      D     54
## 3827 9.957508e+18 2020-08-10        0     0     4      A    110
## 3828 9.962647e+18 2020-08-13        0     0     3      D     52
## 3829 9.963923e+18 2020-08-17        0     0     9      F      0
## 3830 9.967963e+18 2020-08-16        0     0     8      C     55
## 3831 9.969404e+18 2020-08-17        0     0     3      B    141
## 3832 9.973236e+18 2020-08-15        0     0     2   <NA>     31
## 3833 9.979839e+18 2020-08-13        0     0     5      A      0
## 3834 9.981237e+18 2020-08-10        0     0    27      C     41
## 3835 9.984243e+18 2020-08-12        0     0     2      A      0
## 3836 9.986856e+18 2020-08-17        0     0     6      A     72
## 3837 9.992661e+18 2020-08-14        0     0     5      A      0
## 3838 9.999647e+18 2020-08-17        0     0     3      B      0
```

```r
# Calculate conversion rate
merged_data$conversion_rate <- merged_data$purchases / merged_data$views

# Remove rows with NA, NaN, or Inf values in 'conversion_rate'
cleaned_data <- merged_data %>%
  filter(!is.na(conversion_rate) & !is.nan(conversion_rate) & is.finite(conversion_rate))

cleaned_data
```

```
##          product       date purchases sales views category leadtime
## 1  1.001496e+19 2020-08-11         0     0     9        B        0
## 2  1.007131e+19 2020-08-15         0     0     3        A       13
## 3  1.009407e+19 2020-08-15         0     0    30        C        0
## 4  1.018505e+19 2020-08-14         0     0     1        A        0
## 5  1.033200e+19 2020-08-12         0     0     1        E        0
## 6  1.037374e+19 2020-08-10         0     0     3        A       45
## 7  1.042241e+19 2020-08-14         0     0     8        A       15
## 8  1.043119e+19 2020-08-10         0     0     2        E        0
## 9  1.043279e+19 2020-08-12         0     0     3        D        0
## 10 1.050126e+19 2020-08-11         0     0    10        A       44
## 11 1.050848e+19 2020-08-15         0     0     5        D        0
## 12 1.064012e+19 2020-08-20         0     0    11        C        7
## 13 1.065184e+19 2020-08-14         0     0     1        E        0
## 14 1.065448e+19 2020-08-18         0     0     8        A       37
## 15 1.067274e+19 2020-08-12         0     0     2        D        0
## 16 1.072191e+19 2020-08-15         0     0     8        C        0
## 17 1.074350e+19 2020-08-14         0     0    15        A       13
## 18 1.074716e+19 2020-08-11         0     0     8        C       42
## 19 1.089763e+19 2020-08-14         0     0     1        D        0
## 20 1.108085e+19 2020-08-17         0     0     4        A       11
## 21 1.108878e+19 2020-08-10         0     0    49        B       81
## 22 1.118525e+19 2020-08-19         0     0     7        F        0
## 23 1.122460e+19 2020-08-15         0     0     2        A        0
## 24 1.125120e+19 2020-08-11         0     0     6        G      160
## 25 1.126054e+19 2020-08-20         1  1699    17        A        0
## 26 1.129345e+19 2020-08-15         0     0     1        B        0
## 27 1.131919e+19 2020-08-16         0     0     3        A       54
## 28 1.136773e+19 2020-08-19         0     0     1        A        9
## 29 1.140792e+19 2020-08-18         0     0    12        A        0
## 30 1.146044e+19 2020-08-17         0     0     2        A       10
## 31 1.147944e+19 2020-08-17         0     0     3        A        0
## 32 1.152645e+19 2020-08-15         0     0     1        D        0
## 33 1.157444e+19 2020-08-19         0     0     4        A      141
## 34 1.163561e+19 2020-08-13         0     0     6        A      141
## 35 1.163699e+19 2020-08-12         0     0    17        A       15
## 36 1.167079e+19 2020-08-18         0     0     6        A        0
## 37 1.168062e+19 2020-08-12         0     0     4        C       81
## 38 1.180276e+19 2020-08-12         0     0     3        A       15
## 39 1.183167e+19 2020-08-10         0     0    53        F       17
## 40 1.183467e+19 2020-08-19         0     0    45        A        0
## 41 1.184630e+19 2020-08-13         0     0     1        A       15
## 42 1.186865e+19 2020-08-16         0     0    26        A       12
## 43 1.188752e+19 2020-08-16         0     0     5        B        0
```

```
## 44  1.192222e+19 2020-08-11        0       0       8       C       42
## 45  1.192781e+19 2020-08-12        0       0       2       F        0
## 46  1.193522e+19 2020-08-20        0       0       1       A        7
## 47  1.201885e+19 2020-08-19        0       0       1       D       30
## 48  1.203017e+19 2020-08-15        0       0      20       A       65
## 49  1.204003e+19 2020-08-16        0       0       4       B       55
## 50  1.204814e+19 2020-08-16        0       0       1       A        0
## 51  1.206880e+19 2020-08-18        1     599      22       B        0
## 52  1.208259e+19 2020-08-14        0       0      46       A       41
## 53  1.210138e+19 2020-08-17        0       0      13       A        0
## 54  1.211708e+19 2020-08-19        0       0       1       B       32
## 55  1.214690e+19 2020-08-14        0       0       3       C       62
## 56  1.216011e+19 2020-08-16        0       0       3       A       54
## 57  1.233652e+19 2020-08-14        0       0      31       B       37
## 58  1.234798e+19 2020-08-20        1     149       2       B        0
## 59  1.235754e+19 2020-08-14        0       0      27       F       37
## 60  1.239653e+19 2020-08-17        0       0       1       A       38
## 61  1.243682e+19 2020-08-10        0       0      10       C        0
## 62  1.250547e+19 2020-08-13        0       0       3       A        0
## 63  1.252077e+19 2020-08-18        0       0       2       D       71
## 64  1.254919e+19 2020-08-18        0       0      43       B        0
## 65  1.259651e+19 2020-08-16        0       0       2       A      130
## 66  1.266993e+19 2020-08-16        0       0       2       A        0
## 67  1.269503e+19 2020-08-11        0       0       1       D       99
## 68  1.279337e+19 2020-08-14        0       0      89       C        0
## 69  1.279565e+19 2020-08-20        0       0       4       B       69
## 70  1.281333e+19 2020-08-11        0       0       3       A      109
## 71  1.282363e+19 2020-08-12        0       0      12       C        0
## 72  1.292501e+18 2020-08-11        0       0       1       A       90
## 73  1.296793e+19 2020-08-12        0       0       1       A        0
## 74  1.300346e+19 2020-08-19        0       0       4       A       36
## 75  1.312213e+19 2020-08-12        0       0       9       F       84
## 76  1.316945e+19 2020-08-11        0       0      14       B       40
## 77  1.317058e+19 2020-08-17        0       0       7       A       32
## 78  1.325441e+19 2020-08-12        0       0       1       A      108
## 79  1.344085e+19 2020-08-19        0       0      28       A        0
## 80  1.347750e+19 2020-08-17        0       0       6       D        0
## 81  1.348651e+19 2020-08-13        0       0       6       C      124
## 82  1.350887e+19 2020-08-13        0       0       1       A        0
## 83  1.351190e+19 2020-08-14        0       0       3       D       65
## 84  1.355119e+19 2020-08-14        0       0       3       G       37
## 85  1.357385e+19 2020-08-11        0       0       1       A       90
## 86  1.369969e+19 2020-08-17        0       0       5       C       10
## 87  1.371079e+19 2020-08-16        0       0       1       A       30
## 88  1.377121e+19 2020-08-19        1     169       4       B       32
## 89  1.381495e+19 2020-08-10        0       0      15       F       86
## 90  1.388232e+19 2020-08-11        0       0       3       A       18
## 91  1.389672e+19 2020-08-11        0       0       1       D       42
## 92  1.393479e+19 2020-08-18        0       0       3       G       71
## 93  1.404919e+19 2020-08-13        0       0       1       A        0
## 94  1.405332e+19 2020-08-15        0       0      38    <NA>      129
## 95  1.417043e+19 2020-08-13        0       0      10       F       14
## 96  1.418931e+19 2020-08-19        0       0       4       B       70
## 97  1.420919e+19 2020-08-10        1     249       7       D       41
```

```
## 98   1.421679e+19 2020-08-12         0        0        2        A        87
## 99   1.426715e+19 2020-08-13         0        0        3        A        42
## 100  1.431126e+19 2020-08-17         0        0       24        F       103
## 101  1.435548e+19 2020-08-16         0        0       12        A        54
## 102  1.435767e+19 2020-08-15         0        0        1        A        12
## 103  1.449765e+19 2020-08-11         0        0       53        C       208
## 104  1.464662e+19 2020-08-18         0        0        9        F         0
## 105  1.479523e+19 2020-08-20         0        0        3        C         7
## 106  1.484235e+19 2020-08-15         0        0        4        F         0
## 107  1.491418e+19 2020-08-12         0        0        1        A         0
## 108  1.495264e+19 2020-08-16         0        0       21        A        39
## 109  1.496373e+19 2020-08-17         0        0        6        C       120
## 110  1.497005e+19 2020-08-14         0        0       80        A         0
## 111  1.500946e+19 2020-08-17         0        0        6        A        38
## 112  1.503663e+19 2020-08-18         0        0        3        F        81
## 113  1.505711e+19 2020-08-13         0        0        1        A         0
## 114  1.509436e+19 2020-08-10         0        0        1        D         0
## 115  1.516850e+19 2020-08-14         0        0        8        A         0
## 116  1.517497e+19 2020-08-14         0        0        6        A         0
## 117  1.523909e+19 2020-08-17         0        0        5        A         0
## 118  1.526688e+18 2020-08-18         0        0       14     <NA>         0
## 119  1.533906e+19 2020-08-12         0        0        2        A        43
## 120  1.534786e+19 2020-08-18         0        0        4        A       141
## 121  1.549408e+19 2020-08-11         0        0        7        C        40
## 122  1.549572e+19 2020-08-18         0        0        7        A         0
## 123  1.550091e+19 2020-08-14         0        0       10        A         0
## 124  1.551890e+19 2020-08-20         0        0        5        C        69
## 125  1.552926e+19 2020-08-20         0        0        1        A        50
## 126  1.557873e+19 2020-08-16         0        0        2        D         0
## 127  1.577063e+19 2020-08-18         0        0        1        A        37
## 128  1.586302e+19 2020-08-20         0        0        9        A         0
## 129  1.588718e+19 2020-08-17         0        0        2        A        53
## 130  1.589532e+19 2020-08-17         0        0       79        C       208
## 131  1.591672e+19 2020-08-12         0        0        3        C         0
## 132  1.600647e+19 2020-08-19         0        0       10        A         0
## 133  1.603321e+19 2020-08-12         0        0       11        A         0
## 134  1.607473e+19 2020-08-18         0        0        2        D        31
## 135  1.608307e+19 2020-08-19         0        0       12        A        30
## 136  1.610829e+19 2020-08-13         0        0       17        C        58
## 137  1.613725e+19 2020-08-17         0        0        9        C        62
## 138  1.614084e+19 2020-08-13         0        0        2        D         0
## 139  1.616808e+19 2020-08-18         0        0        2        A         0
## 140  1.628041e+19 2020-08-17         0        0        1        A         0
## 141  1.628622e+19 2020-08-18         0        0        2        A        71
## 142  1.632645e+19 2020-08-19         0        0        4        A       100
## 143  1.647584e+19 2020-08-10         0        0       12        F       110
## 144  1.652978e+19 2020-08-15         0        0       46        A         0
## 145  1.668063e+19 2020-08-16         0        0       10        A         0
## 146  1.680589e+19 2020-08-10         0        0       23        A        17
## 147  1.681808e+19 2020-08-16         0        0        1        A         0
## 148  1.694520e+19 2020-08-16         0        0        6        A        39
## 149  1.701602e+19 2020-08-10         0        0       12        C        81
## 150  1.703879e+19 2020-08-19         0        0        2        A         0
## 151  1.706127e+19 2020-08-12         0        0        2        A         0
```

```
## 152  1.712232e+19 2020-08-12        0      0      4        B       59
## 153  1.712314e+19 2020-08-20        0      0      2     <NA>        0
## 154  1.714544e+19 2020-08-14        0      0      6        A      106
## 155  1.716121e+19 2020-08-12        0      0      4        A        0
## 156  1.719180e+19 2020-08-15        0      0      1        F        0
## 157  1.724413e+19 2020-08-17        0      0      4        D       83
## 158  1.727012e+19 2020-08-15        0      0      1        A        0
## 159  1.727758e+19 2020-08-13        0      0      5        A      107
## 160  1.729523e+19 2020-08-19        0      0      5        A        0
## 161  1.732256e+19 2020-08-15        0      0      7        B       74
## 162  1.734212e+19 2020-08-18        0      0      8        A       31
## 163  1.734961e+19 2020-08-18        0      0     22        C       33
## 164  1.736917e+19 2020-08-11        1    399     32        B        0
## 165  1.737240e+19 2020-08-12        0      0      2        F       17
## 166  1.750503e+19 2020-08-13        0      0      1        A        0
## 167  1.755093e+19 2020-08-16        0      0      4        A        0
## 168  1.758254e+19 2020-08-17        0      0      5        G      154
## 169  1.758472e+18 2020-08-18        0      0     22        D        0
## 170  1.758835e+19 2020-08-20        0      0     15        G       69
## 171  1.766062e+19 2020-08-17        0      0      2        E       91
## 172  1.771047e+19 2020-08-17        0      0      2        A        0
## 173  1.775916e+19 2020-08-11        0      0      9        A        0
## 174  1.779837e+19 2020-08-12        0      0      6        G        0
## 175  1.780126e+19 2020-08-19        0      0     19        A        9
## 176  1.785774e+19 2020-08-20        0      0      1        D        0
## 177  1.803955e+19 2020-08-10        0      0     28        A        0
## 178  1.804984e+19 2020-08-13        0      0      6        A       86
## 179  1.810688e+19 2020-08-12        0      0     25        C        0
## 180  1.813907e+19 2020-08-19        0      0      4     <NA>        0
## 181  1.814952e+19 2020-08-14        0      0      4        A       13
## 182  1.817920e+19 2020-08-18        0      0      3        A       31
## 183  1.818516e+19 2020-08-16        0      0      3        A       39
## 184  1.825441e+19 2020-08-19        0      0     17        C        0
## 185  1.831259e+19 2020-08-15        0      0      7        F       81
## 186  1.832940e+19 2020-08-10        0      0     31        A       45
## 187  1.833019e+19 2020-08-10        0      0     39        G       41
## 188  1.839781e+19 2020-08-20        0      0      2        D       80
## 189  1.001081e+19 2020-08-10        0      0      4        G       81
## 190  1.001601e+19 2020-08-11        0      0     15        C       40
## 191  1.001713e+19 2020-08-19        0      0      3        A        0
## 192  1.002486e+19 2020-08-18        0      0      4        C       71
## 193  1.003008e+18 2020-08-20        0      0      1        D        8
## 194  1.003122e+19 2020-08-13        0      0      1        A      106
## 195  1.004202e+19 2020-08-12        0      0      2        A        0
## 196  1.004280e+18 2020-08-14        0      0      6        C        0
## 197  1.004465e+19 2020-08-16        0      0      2        G       49
## 198  1.004516e+19 2020-08-15        0      0     11     <NA>       10
## 199  1.004921e+19 2020-08-14        0      0     28        B        0
## 200  1.005319e+19 2020-08-10        0      0     30        A        0
## 201  1.005872e+18 2020-08-12        0      0      7        A        0
## 202  1.005955e+19 2020-08-16        0      0      3        B        0
## 203  1.006249e+18 2020-08-14        0      0      1        A        0
## 204  1.007165e+17 2020-08-19        0      0      4        D        0
## 205  1.009207e+19 2020-08-15        0      0      1        A       40
```

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## 206  1.009982e+19 2020-08-10        0        0        2        A        0
## 207  1.010711e+19 2020-08-16        0        0        3        A        0
## 208  1.010935e+19 2020-08-20        0        0       10        A        0
## 209  1.011329e+19 2020-08-12        0        0        4        A        0
## 210  1.011909e+19 2020-08-13        0        0       10        C       38
## 211  1.012045e+18 2020-08-11        0        0        2        B        0
## 212  1.012287e+19 2020-08-16        0        0       11        D       35
## 213  1.012948e+19 2020-08-20        0        0       97        A        0
## 214  1.013075e+19 2020-08-17        0        0        7        A      141
## 215  1.013240e+19 2020-08-16        0        0        5        A       39
## 216  1.013345e+19 2020-08-12        0        0       40        A       15
## 217  1.013576e+19 2020-08-20        0        0        1        D        0
## 218  1.013739e+19 2020-08-13        0        0        4        A       14
## 219  1.014826e+19 2020-08-15        0        0      172        C        0
## 220  1.014903e+19 2020-08-16        0        0        1        F        0
## 221  1.015857e+19 2020-08-11        0        0        1        B        0
## 222  1.016060e+18 2020-08-16        0        0       18        B        0
## 223  1.016226e+19 2020-08-19        0        0        1        G       70
## 224  1.016465e+19 2020-08-13        0        0        8        C       62
## 225  1.016638e+19 2020-08-15        0        0        2        A        0
## 226  1.016648e+19 2020-08-13        0        0       20        A       42
## 227  1.017929e+19 2020-08-10        0        0        4        D       85
## 228  1.018059e+19 2020-08-16        0        0       11        C       35
## 229  1.018948e+16 2020-08-14        0        0        1        A      141
## 230  1.019323e+19 2020-08-14        0        0        5        G       51
## 231  1.019489e+19 2020-08-12        0        0        3        A        0
## 232  1.019938e+19 2020-08-18        0        0       44        A       37
## 233  1.019952e+19 2020-08-11        0        0        2        A        0
## 234  1.021440e+19 2020-08-10        0        0        7        B      141
## 235  1.021842e+19 2020-08-16        0        0        8        A        0
## 236  1.021971e+19 2020-08-10        0        0        1        A        0
## 237  1.023396e+19 2020-08-12        0        0        5        A        0
## 238  1.024183e+19 2020-08-14        0        0        8        A       62
## 239  1.024257e+19 2020-08-10        0        0        3        A        0
## 240  1.024352e+19 2020-08-16        0        0        4        D        0
## 241  1.025069e+18 2020-08-13        0        0        5        C       58
## 242  1.025304e+19 2020-08-12        0        0        6        C       15
## 243  1.025609e+19 2020-08-14        0        0        1        A      141
## 244  1.025639e+19 2020-08-14        0        0        3        D       95
## 245  1.025933e+19 2020-08-20        0        0        6        C       69
## 246  1.026046e+19 2020-08-15        0        0        3        A        0
## 247  1.026632e+19 2020-08-20        0        0       51        A        0
## 248  1.027546e+18 2020-08-14        0        0        1        A        0
## 249  1.027794e+19 2020-08-20        0        0        1        A       50
## 250  1.029271e+19 2020-08-16        0        0        6        G       49
## 251  1.029418e+19 2020-08-20        0        0        4        B       69
## 252  1.029725e+19 2020-08-13        0        0        9        A       14
## 253  1.031331e+19 2020-08-20        1      399       42        B        0
## 254  1.031436e+19 2020-08-18        0        0        2        A       10
## 255  1.031445e+19 2020-08-19        0        0        1        A        9
## 256  1.031982e+19 2020-08-16        0        0       11        B       49
## 257  1.033131e+19 2020-08-19        0        0        2        A        0
## 258  1.033334e+19 2020-08-16        0        0        4        A       30
## 259  1.033379e+19 2020-08-16        0        0        1        A       39
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## 260  1.033498e+19 2020-08-17      0      0      1      A      0
## 261  1.033775e+19 2020-08-13      0      0      1      A     42
## 262  1.034374e+19 2020-08-16      0      0      1      A     54
## 263  1.035264e+19 2020-08-18      0      0      1      A      0
## 264  1.036330e+19 2020-08-14      0      0     35      A      0
## 265  1.036386e+19 2020-08-16      0      0      3      B      0
## 266  1.036406e+19 2020-08-18      0      0      1      A    141
## 267  1.036547e+19 2020-08-18      0      0      1      A      9
## 268  1.036935e+19 2020-08-11      0      0      1      A      0
## 269  1.037266e+19 2020-08-14      0      0     15      D      0
## 270  1.037341e+19 2020-08-13      0      0     12      A      0
## 271  1.037950e+19 2020-08-20      0      0     21      A     35
## 272  1.038355e+19 2020-08-13      0      0      4      D     96
## 273  1.039354e+19 2020-08-17      0      0      3      G    106
## 274  1.039438e+19 2020-08-13      0      0      6      A    141
## 275  1.039541e+19 2020-08-16      0      0     39      B     35
## 276  1.040247e+19 2020-08-17      0      0     14      G     48
## 277  1.040705e+19 2020-08-18      0      0      5      C      0
## 278  1.041032e+19 2020-08-19      1    739    108      C      0
## 279  1.041600e+19 2020-08-19      0      0      1      A      0
## 280  1.041695e+18 2020-08-14      0      0      4      A     85
## 281  1.042327e+19 2020-08-13      0      0      4      C      0
## 282  1.042461e+19 2020-08-15      0      0      2      G     36
## 283  1.042768e+19 2020-08-10      0      0     47      A      0
## 284  1.042828e+19 2020-08-11      0      0      4      A    141
## 285  1.043305e+19 2020-08-13      0      0      4      A     65
## 286  1.043769e+19 2020-08-13      0      0      9      F      0
## 287  1.044483e+19 2020-08-15      0      0     27      B      0
## 288  1.044614e+18 2020-08-20      0      0      8      C      0
## 289  1.044680e+19 2020-08-10      0      0      4      A     17
## 290  1.045393e+18 2020-08-13      0      0      2      A      0
## 291  1.045530e+19 2020-08-10      0      0     37      A      0
## 292  1.045762e+19 2020-08-12      0      0     40      A      0
## 293  1.045868e+19 2020-08-11      0      0      1      A      0
## 294  1.046605e+19 2020-08-11      0      0      1      A      0
## 295  1.046846e+19 2020-08-20      0      0      4      D      0
## 296  1.047360e+19 2020-08-11      0      0      1      G     54
## 297  1.047807e+18 2020-08-11      1   3549      6      A      0
## 298  1.047852e+19 2020-08-19      0      0      7      A     51
## 299  1.047984e+19 2020-08-15      0      0      5      A    141
## 300  1.048022e+19 2020-08-14      0      0      1      A      0
## 301  1.048099e+19 2020-08-12      0      0      4      A      0
## 302  1.048623e+19 2020-08-20      0      0      2      D    131
## 303  1.048745e+19 2020-08-13      0      0     10      C      0
## 304  1.049204e+19 2020-08-16      0      0      2      A     12
## 305  1.049697e+19 2020-08-13      0      0     18      B     52
## 306  1.049947e+19 2020-08-19      0      0      5      A      0
## 307  1.050779e+19 2020-08-11      0      0     22      A     17
## 308  1.051106e+19 2020-08-12      0      0     12      A      0
## 309  1.051232e+19 2020-08-12      0      0     23      A     91
## 310  1.051329e+19 2020-08-10      0      0      3      A      0
## 311  1.052009e+19 2020-08-11      0      0      4      A      0
## 312  1.052325e+19 2020-08-12      0      0      8      A      0
## 313  1.052922e+19 2020-08-14      0      0      5      C     57
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## 314  1.053942e+19 2020-08-18         0    0    6      B      71
## 315  1.054139e+19 2020-08-10         0    0    5      B      41
## 316  1.054457e+19 2020-08-10         0    0    8      D      41
## 317  1.054497e+19 2020-08-20         0    0    7      A      50
## 318  1.055418e+19 2020-08-14         0    0    8      G     157
## 319  1.055465e+19 2020-08-10         0    0    1      F       0
## 320  1.055613e+19 2020-08-19         0    0   20      C     166
## 321  1.056307e+18 2020-08-14         0    0    5      B       0
## 322  1.056319e+19 2020-08-18         0    0    1      A      52
## 323  1.056985e+19 2020-08-16         0    0    1      A       0
## 324  1.058063e+19 2020-08-13         0    0    2      A       0
## 325  1.058184e+19 2020-08-13         0    0    7      C       0
## 326  1.058249e+19 2020-08-14         0    0    4      C      57
## 327  1.058779e+19 2020-08-13         0    0   10      C      16
## 328  1.059410e+19 2020-08-20         0    0    1      A       7
## 329  1.059425e+19 2020-08-20         0    0   20      D       0
## 330  1.059457e+19 2020-08-13         0    0    1      A      14
## 331  1.059505e+19 2020-08-19         0    0    9      C      81
## 332  1.059926e+19 2020-08-18         0    0    2      E       0
## 333  1.060605e+19 2020-08-14         0    0    9      A       0
## 334  1.060815e+19 2020-08-16         0    0    5      A      54
## 335  1.061532e+19 2020-08-10         0    0   23      B       5
## 336  1.061661e+19 2020-08-13         0    0    1      A      52
## 337  1.062030e+19 2020-08-15         0    0    6      F       0
## 338  1.062140e+19 2020-08-19         0    0    1      A      27
## 339  1.062365e+19 2020-08-20         0    0   13      A       0
## 340  1.062585e+18 2020-08-17         0    0    1      A       0
## 341  1.062984e+19 2020-08-15         0    0    1      F      84
## 342  1.063516e+19 2020-08-11         0    0    6      C       0
## 343  1.063991e+19 2020-08-18         0    0    6      A       0
## 344  1.064497e+19 2020-08-14         0    0    2      A      41
## 345  1.065440e+19 2020-08-12         0    0   44   <NA>     132
## 346  1.065445e+19 2020-08-18         0    0    9   <NA>       0
## 347  1.065625e+19 2020-08-11         0    0    1   <NA>      16
## 348  1.065757e+19 2020-08-14         0    0    1      A      41
## 349  1.066502e+19 2020-08-19         0    0   15      C      81
## 350  1.066790e+19 2020-08-18         0    0    3      A      31
## 351  1.067666e+18 2020-08-18         0    0   10      C      33
## 352  1.067911e+18 2020-08-11         0    0    2      E       0
## 353  1.068063e+19 2020-08-15         0    0   14      F     105
## 354  1.068162e+19 2020-08-20         0    0    2      A      35
## 355  1.068220e+19 2020-08-13         0    0   12      A       0
## 356  1.069343e+19 2020-08-19         0    0    8      A      36
## 357  1.069543e+19 2020-08-10         1  259    2      A      45
## 358  1.069779e+19 2020-08-13         0    0    8      A       0
## 359  1.070489e+19 2020-08-13         0    0    3      A     141
## 360  1.070996e+19 2020-08-15         0    0   16      D      50
## 361  1.071301e+18 2020-08-18         0    0    7      A      37
## 362  1.071329e+19 2020-08-13         0    0    3      C       0
## 363  1.072628e+19 2020-08-10         0    0   38      B       0
## 364  1.072754e+19 2020-08-11         0    0   25      A       0
## 365  1.073125e+19 2020-08-11         0    0    8      C      42
## 366  1.073407e+19 2020-08-15         0    0    6      D      13
## 367  1.074816e+19 2020-08-11         0    0    2      A       0
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## 368  1.075802e+19 2020-08-13        0      0       9       A        0
## 369  1.077426e+19 2020-08-16        0      0       4       D       49
## 370  1.077918e+19 2020-08-15        0      0       2       G       50
## 371  1.078012e+19 2020-08-20        0      0       1       A       50
## 372  1.078623e+19 2020-08-13        0      0      25       F       38
## 373  1.078688e+18 2020-08-12        1    679      23       C        0
## 374  1.078949e+19 2020-08-11        0      0      13       A        0
## 375  1.079024e+19 2020-08-12        0      0       1       A        0
## 376  1.079071e+19 2020-08-18        0      0       4       B        0
## 377  1.079210e+18 2020-08-15        0      0      15       F        0
## 378  1.079219e+19 2020-08-16        0      0      36       A        0
## 379  1.080234e+19 2020-08-20        0      0      37       B       69
## 380  1.080479e+19 2020-08-12        0      0      35       C        0
## 381  1.080721e+19 2020-08-20        0      0       8       A        0
## 382  1.080795e+19 2020-08-10        0      0       1       F       69
## 383  1.081495e+19 2020-08-17        0      0       3       A       53
## 384  1.081625e+19 2020-08-18        0      0      12       A        0
## 385  1.083913e+19 2020-08-13        0      0       1       A       88
## 386  1.084272e+19 2020-08-16        0      0      10       D       49
## 387  1.084463e+19 2020-08-19        0      0       6       F        0
## 388  1.085255e+19 2020-08-18        0      0       2       A       37
## 389  1.085485e+19 2020-08-13        0      0       1       A       14
## 390  1.085836e+19 2020-08-20        0      0       2       D        0
## 391  1.086073e+19 2020-08-18        0      0       3       A       31
## 392  1.086840e+18 2020-08-19        0      0       1       A       27
## 393  1.087986e+19 2020-08-19        0      0       1       F       27
## 394  1.088348e+19 2020-08-13        0      0       2       A        0
## 395  1.088766e+19 2020-08-12        0      0       1       F       53
## 396  1.088843e+19 2020-08-17        0      0       1       E        0
## 397  1.088908e+19 2020-08-20        1   1119      44       A        0
## 398  1.088924e+19 2020-08-16        0      0       2       C       55
## 399  1.089836e+19 2020-08-17        0      0       5       D       32
## 400  1.091452e+19 2020-08-17        0      0      10       C       72
## 401  1.091536e+19 2020-08-10        0      0       2       F        0
## 402  1.093423e+19 2020-08-11        1   1599      13       A      141
## 403  1.094211e+19 2020-08-19        0      0       1       A        0
## 404  1.094262e+19 2020-08-15        0      0       1       A        0
## 405  1.095647e+19 2020-08-20        0      0       2       G      208
## 406  1.095972e+19 2020-08-12        0      0       6    <NA>        0
## 407  1.096752e+18 2020-08-16        0      0       2       A      104
## 408  1.096980e+19 2020-08-15        0      0      26       C       36
## 409  1.097588e+19 2020-08-15        0      0       7       C       50
## 410  1.097718e+18 2020-08-15        0      0       7       E       13
## 411  1.097800e+19 2020-08-18        0      0      20       A        9
## 412  1.097818e+19 2020-08-18        0      0       4       D      133
## 413  1.097918e+19 2020-08-17        0      0       3       A       53
## 414  1.098120e+19 2020-08-18        0      0       5       A        0
## 415  1.098362e+19 2020-08-16        0      0      16       C       11
## 416  1.098404e+19 2020-08-12        0      0      18       A       87
## 417  1.098489e+19 2020-08-13        0      0      14       C       38
## 418  1.098794e+19 2020-08-15        0      0       1       A       13
## 419  1.099615e+19 2020-08-20        0      0      10       B        0
## 420  1.099812e+19 2020-08-20        0      0       5       D        0
## 421  1.100118e+18 2020-08-16        0      0      14       C       55
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## 422  1.100154e+19 2020-08-17      0      0     1        A      53
## 423  1.100985e+19 2020-08-10      0      0     6        A      65
## 424  1.101243e+19 2020-08-10      0      0     1        A       0
## 425  1.101624e+19 2020-08-19      0      0     3        A      30
## 426  1.101735e+19 2020-08-13      0      0     3        B      38
## 427  1.102369e+19 2020-08-17      0      0     5        B       0
## 428  1.102455e+19 2020-08-19      1    649    51        C     208
## 429  1.102898e+18 2020-08-13      0      0     1        B       0
## 430  1.103099e+18 2020-08-13      0      0     1     <NA>       0
## 431  1.103866e+19 2020-08-11      0      0     2        A     141
## 432  1.103871e+19 2020-08-10      0      0     4        A      45
## 433  1.104020e+19 2020-08-10      0      0     3        A       0
## 434  1.104199e+19 2020-08-12      0      0     1        A       0
## 435  1.105540e+19 2020-08-19      0      0     1        C       0
## 436  1.106255e+19 2020-08-14      0      0     1        A       0
## 437  1.106330e+19 2020-08-12      0      0     4        A       0
## 438  1.106573e+19 2020-08-12      0      0     6        A       0
## 439  1.106577e+19 2020-08-12      0      0     1        A     107
## 440  1.106742e+19 2020-08-14      0      0     1        E     132
## 441  1.107980e+19 2020-08-19      0      0     1        A      30
## 442  1.108024e+19 2020-08-14      0      0    31        A       0
## 443  1.108470e+19 2020-08-14      0      0    52        B      37
## 444  1.108985e+18 2020-08-16      0      0    31     <NA>     128
## 445  1.109427e+19 2020-08-10      0      0     3        D       0
## 446  1.109674e+19 2020-08-12      0      0    10        F      43
## 447  1.109713e+19 2020-08-17      0      0     2        G      48
## 448  1.111059e+18 2020-08-19      0      0     1        A     141
## 449  1.111065e+19 2020-08-19      0      0    11        C      81
## 450  1.111128e+19 2020-08-13      0      0     5        B      76
## 451  1.111525e+19 2020-08-14      0      0     7     <NA>       2
## 452  1.111734e+18 2020-08-15      0      0     3        A       0
## 453  1.111765e+19 2020-08-14      0      0     6        B       0
## 454  1.112423e+19 2020-08-15      0      0    13        C      56
## 455  1.112698e+19 2020-08-20      0      0     7        B      31
## 456  1.112879e+19 2020-08-12      0      0     2        A       0
## 457  1.112946e+19 2020-08-12      0      0     1        A      89
## 458  1.113250e+19 2020-08-15      0      0     4        A       0
## 459  1.113575e+19 2020-08-16      0      0     1        A      12
## 460  1.116037e+19 2020-08-16      0      0     4        C       0
## 461  1.116154e+19 2020-08-19      0      0     6        A       0
## 462  1.116654e+19 2020-08-11      0      0    12        A       0
## 463  1.117033e+19 2020-08-11      0      0    12        D      40
## 464  1.118019e+19 2020-08-10      0      0    12        C       0
## 465  1.118073e+19 2020-08-11      0      0     7        F      44
## 466  1.118510e+19 2020-08-19      0      0    36        A       0
## 467  1.118545e+19 2020-08-10      0      0    50     <NA>      99
## 468  1.119149e+19 2020-08-10      0      0     8        C       0
## 469  1.119888e+19 2020-08-13      0      0    11        F       0
## 470  1.120241e+19 2020-08-12      0      0    15        A       0
## 471  1.124013e+19 2020-08-14      0      0     2        D     137
## 472  1.124429e+19 2020-08-17      0      0     1        A       0
## 473  1.124479e+19 2020-08-13      0      0     5        A      42
## 474  1.124875e+18 2020-08-14      0      0     2        A       0
## 475  1.125600e+18 2020-08-20      0      0     5     <NA>      26
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## 476  1.126703e+19 2020-08-12      0     0     3       G    208
## 477  1.126866e+17 2020-08-10      0     0     3       D      0
## 478  1.127471e+19 2020-08-11      1   219     8       E      0
## 479  1.128529e+18 2020-08-10      0     0     2       F     17
## 480  1.129020e+19 2020-08-17      0     0    32       C      0
## 481  1.129328e+19 2020-08-20      0     0     1       A     50
## 482  1.130339e+19 2020-08-18      0     0    24       B     71
## 483  1.130901e+19 2020-08-11      0     0    11       A      0
## 484  1.130926e+19 2020-08-15      0     0     3       B      0
## 485  1.131830e+19 2020-08-16      0     0    63       A      0
## 486  1.132197e+18 2020-08-19      0     0     5       A      0
## 487  1.132974e+19 2020-08-15      0     0     4       A     40
## 488  1.133262e+19 2020-08-16      0     0    58       A     12
## 489  1.133900e+19 2020-08-18      0     0     2       D      0
## 490  1.134042e+19 2020-08-20      0     0     1       G    223
## 491  1.134686e+19 2020-08-13      0     0     2       A      0
## 492  1.134873e+18 2020-08-19      0     0     1       A      8
## 493  1.135077e+19 2020-08-12      0     0     8       A    108
## 494  1.135112e+19 2020-08-16      0     0     1       A     11
## 495  1.135331e+19 2020-08-15      0     0     4       C     12
## 496  1.135824e+19 2020-08-10      0     0     2       G     65
## 497  1.136142e+19 2020-08-20      1  1499    49       A     50
## 498  1.136275e+19 2020-08-15      0     0    11       A     40
## 499  1.137603e+19 2020-08-13      0     0     4       F     83
## 500  1.137699e+19 2020-08-20      0     0     8       F     29
## 501  1.138664e+18 2020-08-19      0     0    14       A      0
## 502  1.139176e+19 2020-08-10      0     0    28       C      0
## 503  1.140012e+19 2020-08-14      0     0    80       A     14
## 504  1.140214e+19 2020-08-12      0     0     4       B    141
## 505  1.140660e+19 2020-08-16      0     0     2       A     39
## 506  1.140727e+19 2020-08-14      0     0    10       A      0
## 507  1.140975e+19 2020-08-11      0     0     5       A    141
## 508  1.141157e+19 2020-08-20      0     0     2       A      0
## 509  1.141637e+19 2020-08-15      0     0    35       B      0
## 510  1.141747e+19 2020-08-12      0     0    49       B     39
## 511  1.142372e+19 2020-08-12      0     0    18       D      0
## 512  1.142542e+19 2020-08-20      0     0     4       B      0
## 513  1.143217e+19 2020-08-14      0     0     7       A     41
## 514  1.143839e+19 2020-08-17      0     0     2       G      0
## 515  1.144552e+19 2020-08-15      0     0     3       C     56
## 516  1.145655e+19 2020-08-12      0     0    15       C    125
## 517  1.146255e+19 2020-08-10      0     0     2       A      0
## 518  1.147049e+19 2020-08-12      0     0    28       A      0
## 519  1.147093e+19 2020-08-11      0     0     1       A     44
## 520  1.148266e+18 2020-08-13      0     0     2       A     62
## 521  1.148689e+19 2020-08-15      0     0     1       D     40
## 522  1.149133e+18 2020-08-19      0     0     2       D      0
## 523  1.150370e+19 2020-08-20      0     0     1       A      0
## 524  1.150885e+18 2020-08-16      0     0     7       A      0
## 525  1.151640e+19 2020-08-11      0     0     6       A      0
## 526  1.152452e+19 2020-08-18      0     0     3       A      0
## 527  1.152498e+19 2020-08-17      0     0     1       A     38
## 528  1.153103e+19 2020-08-13      0     0     3       F     86
## 529  1.153435e+19 2020-08-18      0     0    19       B      0
```

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## 530  1.153584e+19 2020-08-12        0     0    17    <NA>      0
## 531  1.154187e+19 2020-08-17        0     0     4      B      72
## 532  1.154218e+19 2020-08-20        0     0    18      D      31
## 533  1.154274e+19 2020-08-13        0     0     3      A       0
## 534  1.154982e+19 2020-08-18        0     0     2      A      52
## 535  1.155165e+19 2020-08-12        0     0    24      G      53
## 536  1.155566e+19 2020-08-15        0     0     4      A       0
## 537  1.155870e+19 2020-08-18        0     0    36      A       0
## 538  1.156060e+19 2020-08-11        0     0    24      B       0
## 539  1.156622e+19 2020-08-12        0     0    18      A      15
## 540  1.156657e+19 2020-08-16        0     0     1      A       0
## 541  1.157100e+19 2020-08-16        0     0     6      G      49
## 542  1.157439e+19 2020-08-20        0     0     4      G     151
## 543  1.158290e+18 2020-08-18        0     0     2      A       0
## 544  1.159905e+19 2020-08-10        0     0    12      A       0
## 545  1.160376e+19 2020-08-16        0     0     8      A       0
## 546  1.163807e+19 2020-08-10        0     0     1      A       0
## 547  1.164829e+19 2020-08-19        0     0    41      A       0
## 548  1.164913e+19 2020-08-18        0     0     2      A       0
## 549  1.165130e+19 2020-08-14        0     0    18      A       0
## 550  1.165172e+19 2020-08-10        0     0    12      A      70
## 551  1.165500e+19 2020-08-10        0     0     9      A       0
## 552  1.165887e+18 2020-08-20        0     0     4      A     141
## 553  1.166039e+19 2020-08-13        0     0     5      C       0
## 554  1.166284e+18 2020-08-18        0     0     4      A       0
## 555  1.166351e+19 2020-08-12        0     0     1      F      43
## 556  1.166471e+19 2020-08-12        0     0     7      A       0
## 557  1.166624e+19 2020-08-16        0     0     3      A      33
## 558  1.167759e+19 2020-08-10        0     0     7      A     110
## 559  1.167988e+19 2020-08-13        0     0    13      A       0
## 560  1.168058e+19 2020-08-14        0     0     7      E      14
## 561  1.168240e+19 2020-08-14        0     0     1      A     141
## 562  1.168448e+19 2020-08-14        0     0     3      A       0
## 563  1.169547e+19 2020-08-18        0     0     1      D       0
## 564  1.169962e+19 2020-08-19        0     0    13      A      27
## 565  1.171549e+19 2020-08-17        0     0    25      A      11
## 566  1.171790e+19 2020-08-16        0     0    19      A     130
## 567  1.171831e+19 2020-08-10        0     0    50      F      41
## 568  1.171839e+19 2020-08-20        0     0     3      A       0
## 569  1.171930e+19 2020-08-18        0     0     1      F     141
## 570  1.172078e+19 2020-08-11        0     0     1      A       0
## 571  1.172136e+19 2020-08-14        0     0    39      A       0
## 572  1.172294e+19 2020-08-16        0     0    20      C       0
## 573  1.173086e+19 2020-08-16        0     0    25      B       0
## 574  1.173264e+19 2020-08-16        0     0     9      A      54
## 575  1.174424e+19 2020-08-14        0     0     4      B       0
## 576  1.175164e+19 2020-08-18        0     0     3      G      71
## 577  1.175305e+19 2020-08-11        0     0     1      A       0
## 578  1.175506e+19 2020-08-16        0     0    70      A       0
## 579  1.176612e+19 2020-08-14        0     0     1    <NA>     81
## 580  1.176847e+19 2020-08-12        0     0     1      A      15
## 581  1.177027e+19 2020-08-16        0     0     6    <NA>      0
## 582  1.177104e+19 2020-08-19        0     0     4      C       8
## 583  1.177367e+19 2020-08-13        0     0     1      A       0
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## 584  1.178001e+18 2020-08-11       0      0      1        A     90
## 585  1.178140e+19 2020-08-15       0      0     42        C     81
## 586  1.178686e+19 2020-08-15       0      0      1        F     14
## 587  1.178712e+19 2020-08-16       0      0      8        A    141
## 588  1.179008e+19 2020-08-15       0      0      1        A      0
## 589  1.179260e+19 2020-08-11       0      0      8        G    208
## 590  1.179749e+19 2020-08-20       0      0      4        C     31
## 591  1.180384e+19 2020-08-19       0      0      1        B      0
## 592  1.180851e+19 2020-08-11       2   1398     25        B      0
## 593  1.180935e+19 2020-08-14       0      0     13        A      0
## 594  1.181287e+19 2020-08-17       0      0      6        A      0
## 595  1.181719e+19 2020-08-17       0      0      1        B     34
## 596  1.182016e+19 2020-08-10       0      0      3        B      0
## 597  1.182041e+19 2020-08-18       0      0     25        C     81
## 598  1.182341e+19 2020-08-17       0      0      4        A      0
## 599  1.183181e+19 2020-08-11       0      0      5        A    109
## 600  1.183554e+18 2020-08-12       0      0     26        B      3
## 601  1.184557e+19 2020-08-12       0      0      4        A     91
## 602  1.184825e+19 2020-08-14       0      0      9        A     13
## 603  1.185835e+19 2020-08-13       0      0      4        D      0
## 604  1.187803e+19 2020-08-16       0      0      9        A     30
## 605  1.188573e+19 2020-08-12       0      0     37        A      0
## 606  1.188738e+19 2020-08-19       0      0      3        B     70
## 607  1.189332e+19 2020-08-20       0      0     29        D      0
## 608  1.189856e+19 2020-08-15       0      0     37        F     50
## 609  1.190105e+19 2020-08-14       0      0      8        A      0
## 610  1.190133e+18 2020-08-19       0      0      9        D      0
## 611  1.190186e+18 2020-08-12       0      0      4        D     97
## 612  1.190380e+19 2020-08-13       0      0     22        A     42
## 613  1.192116e+19 2020-08-13       0      0      1        G    110
## 614  1.192720e+19 2020-08-12       0      0     10        B      0
## 615  1.192902e+19 2020-08-19       0      0      4        A     36
## 616  1.193040e+19 2020-08-12       0      0      1        E      0
## 617  1.193397e+19 2020-08-18       0      0      8        C      0
## 618  1.193459e+19 2020-08-10       0      0      3        A    110
## 619  1.193926e+19 2020-08-12       0      0     13        C     81
## 620  1.194131e+19 2020-08-18       0      0      3        A    102
## 621  1.194638e+19 2020-08-16       0      0      8        A      0
## 622  1.194712e+19 2020-08-19       0      0     19        D     30
## 623  1.194799e+19 2020-08-14       0      0      6        C    123
## 624  1.194866e+19 2020-08-15       0      0      3        D      0
## 625  1.195019e+19 2020-08-10       0      0      9        C    208
## 626  1.195075e+19 2020-08-11       0      0     20        C      0
## 627  1.195279e+19 2020-08-20       0      0     24        A     26
## 628  1.195748e+19 2020-08-15       0      0      6        A      0
## 629  1.196039e+19 2020-08-11       0      0      4        A      0
## 630  1.196263e+19 2020-08-15       0      0      2        E      0
## 631  1.196454e+18 2020-08-10       0      0     12        F      0
## 632  1.196576e+18 2020-08-10       0      0     15     <NA>      0
## 633  1.196704e+19 2020-08-14       0      0      2        A     13
## 634  1.196861e+18 2020-08-19       0      0     21        A     27
## 635  1.197587e+19 2020-08-20       0      0      5        A      0
## 636  1.199154e+19 2020-08-20       0      0      1        A      8
## 637  1.199550e+19 2020-08-17       0      0      4        A     10
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## 638  1.199848e+18  2020-08-15        0     0      6      D        0
## 639  1.200637e+19  2020-08-10        0     0      2      A        0
## 640  1.200669e+19  2020-08-11        0     0      4      B       40
## 641  1.201260e+19  2020-08-19        0     0      3      A       30
## 642  1.201523e+19  2020-08-11        0     0      1      D        0
## 643  1.201530e+19  2020-08-12        0     0      9      C        0
## 644  1.201637e+19  2020-08-16        0     0      4      G      223
## 645  1.202400e+19  2020-08-15        0     0      2      A       31
## 646  1.202494e+18  2020-08-17        0     0     13      C        0
## 647  1.202662e+19  2020-08-17        0     0     36      A        0
## 648  1.203411e+19  2020-08-20        0     0      3      F        0
## 649  1.203451e+19  2020-08-17        0     0      2      A        0
## 650  1.204611e+19  2020-08-18        0     0      5      A        9
## 651  1.204927e+19  2020-08-19        0     0      5      A       51
## 652  1.206141e+19  2020-08-14        0     0      4      B        0
## 653  1.206357e+18  2020-08-17        0     0      1      A       11
## 654  1.207122e+19  2020-08-20        0     0      1      A        0
## 655  1.207206e+19  2020-08-17        0     0      1      A        0
## 656  1.207724e+19  2020-08-12        0     0      2      A      141
## 657  1.208112e+18  2020-08-12        0     0     14      C        0
## 658  1.209478e+18  2020-08-18        0     0      5      A        0
## 659  1.209734e+19  2020-08-20        0     0      1      A        0
## 660  1.210258e+19  2020-08-16        0     0      3      A       30
## 661  1.210387e+19  2020-08-12        0     0      8      A        0
## 662  1.211565e+19  2020-08-13        0     0     11      A        0
## 663  1.211593e+19  2020-08-20        0     0      1      E        0
## 664  1.212111e+19  2020-08-18        0     0      4      A        0
## 665  1.212295e+19  2020-08-14        0     0      1      F        0
## 666  1.213575e+19  2020-08-12        0     0      2      A       87
## 667  1.214053e+19  2020-08-15        0     0      5      A       65
## 668  1.214528e+19  2020-08-14        0     0     12      A        0
## 669  1.216370e+19  2020-08-14        0     0      3      D        0
## 670  1.216598e+19  2020-08-16        0     0      9      C       55
## 671  1.216646e+18  2020-08-12        0     0      8      A        0
## 672  1.216698e+19  2020-08-15        0     0      1      A        0
## 673  1.216810e+19  2020-08-15        0     0      1      C      208
## 674  1.217273e+19  2020-08-15        0     0     41      A       13
## 675  1.217404e+19  2020-08-10        0     0     12      A        0
## 676  1.218309e+19  2020-08-18        0     0     14      C      119
## 677  1.218447e+19  2020-08-10        0     0      1      A        0
## 678  1.218563e+19  2020-08-11        0     0      6      A        0
## 679  1.218778e+18  2020-08-11        0     0      3      A        0
## 680  1.219046e+19  2020-08-19        1   859     14      C        0
## 681  1.219624e+19  2020-08-11        0     0      1      A        0
## 682  1.220489e+19  2020-08-13        1   899      5      C       14
## 683  1.220689e+19  2020-08-19        0     0     18      B       81
## 684  1.220932e+19  2020-08-18        1   239      3      E        0
## 685  1.221255e+19  2020-08-13        0     0      1      A        0
## 686  1.221672e+19  2020-08-12        0     0      3      A        0
## 687  1.222896e+19  2020-08-17        0     0      1      A        0
## 688  1.223083e+19  2020-08-13        0     0      8      C       38
## 689  1.223765e+19  2020-08-20        0     0     21      A        0
## 690  1.224600e+19  2020-08-15        0     0      1      A       14
## 691  1.224857e+19  2020-08-14        0     0      2      A       41
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## 692  1.226396e+19 2020-08-16      0      0     3      A      0
## 693  1.226851e+19 2020-08-19      1    358     4      D     32
## 694  1.228758e+17 2020-08-20      0      0    35      C      0
## 695  1.228905e+19 2020-08-10      0      0    35      F     55
## 696  1.229502e+19 2020-08-20      1    739   169      C      0
## 697  1.229795e+18 2020-08-12      0      0    29      F     39
## 698  1.229892e+19 2020-08-14      0      0     5      A     62
## 699  1.230009e+19 2020-08-20      0      0     4      A      7
## 700  1.230248e+19 2020-08-18      0      0     4      C      0
## 701  1.230350e+19 2020-08-11      0      0    13      F     44
## 702  1.230638e+19 2020-08-13      0      0    12      B     38
## 703  1.230688e+19 2020-08-15      0      0     9      A      0
## 704  1.231161e+19 2020-08-15      0      0     1      A     13
## 705  1.232010e+19 2020-08-16      0      0     1      A      0
## 706  1.232041e+19 2020-08-19      1   1299    25      A     36
## 707  1.232268e+19 2020-08-12      0      0     4      A      0
## 708  1.232368e+19 2020-08-16      0      0     1      G     35
## 709  1.232668e+18 2020-08-11      0      0    10      C     92
## 710  1.232784e+19 2020-08-20      0      0    22      B     31
## 711  1.232856e+19 2020-08-18      0      0    18      D     31
## 712  1.233292e+19 2020-08-16      0      0     1      D      0
## 713  1.233758e+19 2020-08-16      0      0    17      C     81
## 714  1.233972e+19 2020-08-17      1    358     5      D     34
## 715  1.234116e+19 2020-08-11      0      0     5      A     92
## 716  1.234294e+19 2020-08-16      0      0     2      A     54
## 717  1.234332e+19 2020-08-15      0      0     1      A      0
## 718  1.234639e+19 2020-08-15      0      0    19      C     36
## 719  1.234872e+19 2020-08-10      0      0    42      A      0
## 720  1.234892e+19 2020-08-10      0      0    10      A      0
## 721  1.234970e+19 2020-08-18      0      0     8      C     71
## 722  1.235130e+19 2020-08-17      0      0     1      B      0
## 723  1.235165e+19 2020-08-13      0      0     3      A     62
## 724  1.235350e+18 2020-08-17      0      0     9      C      0
## 725  1.235447e+19 2020-08-12      0      0     2      A      0
## 726  1.235579e+19 2020-08-14      1    639    19      F     41
## 727  1.237055e+19 2020-08-16      0      0    33      B     49
## 728  1.238393e+19 2020-08-16      0      0    20   <NA>      0
## 729  1.239775e+19 2020-08-12      0      0     5      A      0
## 730  1.240619e+19 2020-08-13      0      0    13      A      0
## 731  1.240771e+19 2020-08-15      0      0     2      A    141
## 732  1.241765e+19 2020-08-10      0      0     6      A     93
## 733  1.241816e+19 2020-08-17      0      0     1      A     84
## 734  1.242034e+19 2020-08-20      0      0     5      A      0
## 735  1.242582e+19 2020-08-19      0      0     1      A     30
## 736  1.242940e+19 2020-08-15      0      0    11      C     36
## 737  1.243128e+19 2020-08-10      0      0    24      A      0
## 738  1.244679e+19 2020-08-14      0      0     1      A      0
## 739  1.245133e+19 2020-08-19      0      0     5      D      0
## 740  1.245992e+19 2020-08-13      0      0     8      A      0
## 741  1.246133e+19 2020-08-16      0      0    11      A     39
## 742  1.246165e+19 2020-08-17      0      0     2      A    103
## 743  1.248020e+19 2020-08-17      0      0    13      D      0
## 744  1.248124e+19 2020-08-16      0      0     1      A     39
## 745  1.248231e+19 2020-08-11      0      0     7      B      0
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## 746  1.248296e+19 2020-08-17        0    0    8     A     53
## 747  1.249374e+19 2020-08-12        0    0    2     A      0
## 748  1.249474e+19 2020-08-18        0    0    7     A     52
## 749  1.249730e+19 2020-08-15        0    0    2     A     31
## 750  1.249786e+19 2020-08-15        0    0    3     G     50
## 751  1.249965e+19 2020-08-17        0    0    8     F      0
## 752  1.250785e+19 2020-08-10        0    0   22     A      0
## 753  1.251159e+19 2020-08-12        0    0   25     A      0
## 754  1.252130e+18 2020-08-20        0    0    4     C     81
## 755  1.252549e+19 2020-08-18        0    0    1     A     28
## 756  1.253973e+19 2020-08-18        0    0    5     A      0
## 757  1.255748e+19 2020-08-15        0    0   10     C      0
## 758  1.255778e+19 2020-08-16        0    0    4     B      0
## 759  1.255828e+19 2020-08-10        0    0    5     A     93
## 760  1.256122e+19 2020-08-11        0    0    3     A    109
## 761  1.257119e+19 2020-08-14        0    0    6     B      0
## 762  1.257340e+19 2020-08-20        0    0    5     A      8
## 763  1.258694e+19 2020-08-16        0    0    2     A     11
## 764  1.258837e+18 2020-08-11        0    0    1     A      0
## 765  1.258921e+19 2020-08-10        1  229   31     A      0
## 766  1.259170e+19 2020-08-18        0    0   41     C      0
## 767  1.259829e+19 2020-08-19        0    0    5     A     27
## 768  1.260223e+19 2020-08-12        0    0    7     F    108
## 769  1.261164e+19 2020-08-20        0    0   14     A    126
## 770  1.262261e+19 2020-08-11        0    0    2     A      0
## 771  1.263129e+19 2020-08-15        0    0    5     A     65
## 772  1.263233e+19 2020-08-17        0    0    7     C      0
## 773  1.263598e+18 2020-08-13        0    0    8     D      0
## 774  1.264179e+19 2020-08-11        0    0    1     A      0
## 775  1.264298e+19 2020-08-13        0    0    5     F      0
## 776  1.264478e+19 2020-08-12        0    0    1     A      0
## 777  1.264721e+19 2020-08-12        0    0    5     F    141
## 778  1.264903e+19 2020-08-10        0    0    5     A    141
## 779  1.265787e+19 2020-08-10        0    0    3     A      0
## 780  1.266308e+18 2020-08-17        0    0   40     A     10
## 781  1.266616e+19 2020-08-16        0    0    3     A     39
## 782  1.267093e+19 2020-08-10        0    0    2     A      0
## 783  1.267153e+19 2020-08-15        0    0    2     B      0
## 784  1.267225e+19 2020-08-14        0    0    1     A     62
## 785  1.268418e+19 2020-08-20        0    0   15     A      0
## 786  1.268909e+19 2020-08-19        0    0   32  <NA>    125
## 787  1.269505e+17 2020-08-18        0    0   11     A     28
## 788  1.270053e+17 2020-08-10        0    0   15     A      0
## 789  1.271459e+17 2020-08-11        0    0    4     F     18
## 790  1.271707e+19 2020-08-18        0    0    1     A     28
## 791  1.271797e+19 2020-08-13        0    0   29     C      0
## 792  1.272802e+19 2020-08-18        0    0   47     A      0
## 793  1.273618e+19 2020-08-14        0    0   14     B      0
## 794  1.273873e+19 2020-08-13        0    0   16  <NA>      0
## 795  1.274133e+19 2020-08-17        0    0    1     A      0
## 796  1.274265e+19 2020-08-12        0    0    1     B     39
## 797  1.274523e+19 2020-08-11        0    0    2     D      0
## 798  1.274750e+19 2020-08-17        0    0    8     A      0
## 799  1.274830e+19 2020-08-17        0    0    9  <NA>      0
```

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## 800  1.275290e+19 2020-08-20        0    0    13    B     45
## 801  1.277076e+19 2020-08-12        0    0     4    A      0
## 802  1.277159e+19 2020-08-16        0    0     1    A      0
## 803  1.277187e+19 2020-08-10        0    0     6    A      0
## 804  1.279051e+18 2020-08-10        0    0     3    A     45
## 805  1.280310e+19 2020-08-13        0    0     1    A      0
## 806  1.281149e+19 2020-08-13        0    0     2    A     42
## 807  1.281285e+19 2020-08-20        0    0    11    A     35
## 808  1.281593e+19 2020-08-16        0    0     5    A      0
## 809  1.282146e+19 2020-08-18        0    0     5    B     33
## 810  1.282321e+19 2020-08-20        0    0     4    D     69
## 811  1.282548e+19 2020-08-18        0    0     1    A     52
## 812  1.282679e+19 2020-08-10        0    0     9    A     93
## 813  1.283339e+19 2020-08-15        0    0     1    A     12
## 814  1.283876e+17 2020-08-10        0    0     5    B      0
## 815  1.284235e+19 2020-08-11        0    0    11    C     81
## 816  1.284375e+19 2020-08-11        0    0     2    D     44
## 817  1.284452e+19 2020-08-16        0    0     6    A     39
## 818  1.284707e+18 2020-08-17        0    0     2    D    134
## 819  1.284996e+19 2020-08-19        0    0     7    G     46
## 820  1.286040e+19 2020-08-10        0    0    12    A      0
## 821  1.286298e+19 2020-08-16        0    0     5    A    141
## 822  1.286393e+19 2020-08-16        0    0    37    A      0
## 823  1.286836e+18 2020-08-19        0    0     4    A      8
## 824  1.288082e+19 2020-08-13        0    0     4    A      0
## 825  1.288530e+19 2020-08-16        0    0     1    A     54
## 826  1.288809e+19 2020-08-20        0    0     1    A      0
## 827  1.288966e+19 2020-08-12        0    0     4    C    208
## 828  1.289294e+19 2020-08-16        0    0     1    A      0
## 829  1.289921e+18 2020-08-11        0    0     4    A      0
## 830  1.291306e+19 2020-08-13        0    0     4    D     52
## 831  1.291431e+19 2020-08-10        0    0     4    A      0
## 832  1.292583e+19 2020-08-20        0    0    22    A    126
## 833  1.293307e+19 2020-08-12        0    0     1    D     39
## 834  1.293622e+19 2020-08-13        0    0     9    A      0
## 835  1.294437e+19 2020-08-11        0    0    32    A      0
## 836  1.294812e+19 2020-08-15        0    0     3    D     56
## 837  1.295209e+19 2020-08-18        0    0    11    A      0
## 838  1.295236e+19 2020-08-18        0    0     3    A     37
## 839  1.296616e+19 2020-08-13        0    0     3    A     14
## 840  1.296851e+19 2020-08-20        0    0     4    D     69
## 841  1.298211e+19 2020-08-17        0    0     2    A    141
## 842  1.298352e+19 2020-08-11        0    0    11    F      0
## 843  1.298710e+19 2020-08-19        0    0    47    C      8
## 844  1.299140e+19 2020-08-11        0    0     1    A      0
## 845  1.299596e+19 2020-08-14        0    0     3    A      0
## 846  1.301746e+18 2020-08-14        0    0    32    B     51
## 847  1.301840e+19 2020-08-19        0    0     1    A     36
## 848  1.302313e+19 2020-08-20        0    0     6    A     29
## 849  1.302608e+17 2020-08-15        0    0     9    C     81
## 850  1.302638e+19 2020-08-19        0    0     2    D     70
## 851  1.303627e+19 2020-08-17        0    0    16    C     48
## 852  1.304402e+19 2020-08-16        0    0     6    A      0
## 853  1.304593e+19 2020-08-10        0    0     1    A      0
```

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## 854  1.304832e+19 2020-08-16         0      0     16      B        0
## 855  1.305866e+19 2020-08-19         0      0      4      F      100
## 856  1.306506e+19 2020-08-15         0      0      2      A       40
## 857  1.306963e+19 2020-08-13         0      0     22      B       52
## 858  1.307177e+19 2020-08-18         0      0      9      C      208
## 859  1.307469e+19 2020-08-14         0      0      4      G      208
## 860  1.307997e+18 2020-08-14         0      0      9      C       57
## 861  1.308840e+19 2020-08-10         0      0     12      A        0
## 862  1.309810e+19 2020-08-17         0      0      1      A        0
## 863  1.310090e+19 2020-08-19         0      0      1      A       27
## 864  1.310308e+19 2020-08-12         0      0      2      A       91
## 865  1.310925e+19 2020-08-17         0      0      5      A        0
## 866  1.311257e+19 2020-08-17         0      0      2      A        0
## 867  1.311919e+18 2020-08-11         0      0      5      C        0
## 868  1.312433e+19 2020-08-17         0      0      1      A      141
## 869  1.313111e+19 2020-08-20         0      0     19      A        0
## 870  1.314024e+19 2020-08-18         0      0      7      D        0
## 871  1.314469e+19 2020-08-12         0      0     13      A      134
## 872  1.314890e+19 2020-08-13         0      0      1      A       14
## 873  1.315810e+19 2020-08-11         0      0      9      C       54
## 874  1.315855e+19 2020-08-15         1    399     23      B        0
## 875  1.316069e+19 2020-08-12         0      0     18      A       43
## 876  1.316174e+19 2020-08-11         0      0      2      B        0
## 877  1.316294e+19 2020-08-16         0      0      4      D        0
## 878  1.316943e+19 2020-08-18         0      0      1      G        0
## 879  1.317966e+19 2020-08-19         0      0      2      A       51
## 880  1.317977e+19 2020-08-19         0      0     38      B       70
## 881  1.318815e+19 2020-08-17         0      0      2      A        0
## 882  1.319046e+19 2020-08-16         0      0      1      A       30
## 883  1.319623e+19 2020-08-14         0      0     38      A        0
## 884  1.319834e+19 2020-08-14         0      0      2      A      105
## 885  1.320867e+19 2020-08-20         0      0      3      A        7
## 886  1.321205e+19 2020-08-10         0      0      1      A       65
## 887  1.321286e+19 2020-08-12         0      0      1      A        0
## 888  1.321815e+19 2020-08-14         0      0      1      D        0
## 889  1.322594e+19 2020-08-10         0      0      2      A        0
## 890  1.323350e+19 2020-08-12         0      0      3      A        0
## 891  1.323794e+18 2020-08-14         0      0      7      D       51
## 892  1.323817e+19 2020-08-13         0      0     28      B        0
## 893  1.323853e+19 2020-08-12         0      0     36      A       91
## 894  1.324269e+19 2020-08-16         0      0     28      B        0
## 895  1.325049e+19 2020-08-12         0      0      4      A       53
## 896  1.325834e+19 2020-08-14         0      0      1      A       15
## 897  1.326269e+19 2020-08-17         0      0      2      A       38
## 898  1.326426e+18 2020-08-16         0      0      1      A       39
## 899  1.326757e+19 2020-08-15         0      0      1      F       40
## 900  1.327024e+19 2020-08-12         0      0      3      B        0
## 901  1.327241e+19 2020-08-12         0      0      5      A        0
## 902  1.328417e+19 2020-08-11         0      0      1      A       18
## 903  1.331295e+19 2020-08-17         0      0      6      A       32
## 904  1.331523e+19 2020-08-11         0      0      1      D        0
## 905  1.331527e+19 2020-08-11         0      0     14      A        0
## 906  1.332711e+19 2020-08-11         0      0      5      A        0
## 907  1.333928e+19 2020-08-19         0      0      1      A        0
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## 908  1.333952e+18 2020-08-18          0    0    1    A       0
## 909  1.334541e+19 2020-08-16          0    0    6    A      12
## 910  1.335304e+19 2020-08-17          0    0    1    A       0
## 911  1.335450e+19 2020-08-13          0    0    3    B       0
## 912  1.335973e+19 2020-08-19          0    0    4    A       0
## 913  1.336067e+19 2020-08-11          0    0    5    A       0
## 914  1.336145e+19 2020-08-10          0    0   18    C      43
## 915  1.336234e+19 2020-08-19          0    0    2    A       0
## 916  1.337845e+19 2020-08-12          0    0    1    A       0
## 917  1.338083e+19 2020-08-17          0    0    9    C     208
## 918  1.338490e+19 2020-08-15          0    0   11    A      12
## 919  1.338741e+19 2020-08-19          0    0   11    C      32
## 920  1.338937e+19 2020-08-20          0    0    3    A       0
## 921  1.339946e+19 2020-08-19          0    0    4    A       0
## 922  1.341173e+19 2020-08-15          0    0   30    A       0
## 923  1.341381e+19 2020-08-10          0    0    5    B       0
## 924  1.341440e+19 2020-08-12          0    0    4    G     208
## 925  1.342863e+19 2020-08-14          0    0    5 <NA>     13
## 926  1.342938e+19 2020-08-13          0    0    9    F     107
## 927  1.343006e+19 2020-08-15          0    0   24    A       0
## 928  1.344000e+19 2020-08-13          0    0    4    E      15
## 929  1.344120e+19 2020-08-12          0    0    2    A      16
## 930  1.344500e+19 2020-08-17          0    0   11    D      11
## 931  1.344782e+19 2020-08-14          0    0    3    C       0
## 932  1.345094e+19 2020-08-17          0    0    7    A       0
## 933  1.345475e+19 2020-08-12          0    0   77    A      89
## 934  1.346551e+19 2020-08-18          0    0    6    A       0
## 935  1.346786e+19 2020-08-11          0    0    3    A      44
## 936  1.349431e+19 2020-08-15          0    0    7    A       0
## 937  1.350313e+19 2020-08-11          0    0    1    B     141
## 938  1.350317e+18 2020-08-19          0    0   26    A       9
## 939  1.350377e+19 2020-08-12          0    0   12    D       0
## 940  1.350401e+19 2020-08-13          0    0    1    A      42
## 941  1.351422e+19 2020-08-14          0    0   21    B      81
## 942  1.352173e+19 2020-08-11          0    0    4    G      81
## 943  1.352877e+19 2020-08-20          0    0   45    B      31
## 944  1.353681e+19 2020-08-11          0    0    7    C      16
## 945  1.353833e+19 2020-08-17          0    0   12    C      81
## 946  1.353934e+18 2020-08-18          0    0    2    A      52
## 947  1.354412e+19 2020-08-17          0    0   19    B       0
## 948  1.354472e+19 2020-08-19          0    0    2    A      51
## 949  1.355768e+19 2020-08-16          0    0   19    B       0
## 950  1.355903e+19 2020-08-19          0    0   11    A       0
## 951  1.357278e+19 2020-08-12          0    0   20    B      81
## 952  1.358353e+19 2020-08-12          0    0    1    E       0
## 953  1.359037e+19 2020-08-16          0    0    6    A      55
## 954  1.360242e+19 2020-08-15          0    0   10    A      31
## 955  1.360284e+19 2020-08-16          0    0    1    A      30
## 956  1.361474e+19 2020-08-20          0    0   25    A      50
## 957  1.362305e+19 2020-08-14          0    0    7    D       0
## 958  1.362598e+19 2020-08-20          0    0    2    A      35
## 959  1.362776e+19 2020-08-20          0    0   16    C      31
## 960  1.363539e+19 2020-08-13          0    0    1    A      15
## 961  1.364173e+19 2020-08-17          0    0   18    C      72
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## 962  1.365290e+19 2020-08-16        0    0     1    A    104
## 963  1.365614e+19 2020-08-18        0    0    10    A      0
## 964  1.366139e+19 2020-08-15        0    0     7    A      0
## 965  1.366819e+19 2020-08-13        0    0     7    C     52
## 966  1.367685e+19 2020-08-16        0    0     5    D     12
## 967  1.367948e+19 2020-08-19        0    0    16    G     70
## 968  1.368080e+19 2020-08-11        0    0     9    A      0
## 969  1.368622e+19 2020-08-20        0    0     9    C      7
## 970  1.368824e+19 2020-08-11        0    0     4    A    109
## 971  1.370092e+19 2020-08-16        0    0     5    A      0
## 972  1.371381e+18 2020-08-17        0    0     2    A    102
## 973  1.372380e+19 2020-08-13        0    0    22    C      0
## 974  1.372549e+19 2020-08-12        0    0    27    B     39
## 975  1.372826e+19 2020-08-17        0    0     8    E     11
## 976  1.373045e+18 2020-08-16        0    0     1    E      0
## 977  1.373281e+18 2020-08-12        0    0    11    F      0
## 978  1.373327e+19 2020-08-20        0    0     3    D     45
## 979  1.373349e+19 2020-08-14        0    0     3    A     41
## 980  1.373421e+19 2020-08-17        0    0     2    A     10
## 981  1.374011e+19 2020-08-16        0    0    22    C    166
## 982  1.374302e+19 2020-08-10        0    0     4    A      0
## 983  1.374388e+19 2020-08-12        0    0     2    B     39
## 984  1.374389e+19 2020-08-12        0    0     2    A    108
## 985  1.374493e+19 2020-08-12        0    0     1    A      0
## 986  1.375698e+19 2020-08-17        0    0    20    C      0
## 987  1.375858e+19 2020-08-11        0    0    30    B     40
## 988  1.376169e+17 2020-08-20        0    0     3    G    151
## 989  1.376251e+19 2020-08-15        1  599    12    B     10
## 990  1.378147e+19 2020-08-17        1  899    11    C      0
## 991  1.379261e+19 2020-08-19        0    0    41    C     32
## 992  1.379515e+19 2020-08-19        0    0     4    A      0
## 993  1.379605e+19 2020-08-17        0    0     1    A     53
## 994  1.379776e+19 2020-08-15        0    0     4    C     56
## 995  1.379837e+19 2020-08-11        0    0    13    A      0
## 996  1.379880e+19 2020-08-11        1 1499    40    A     44
## 997  1.380354e+19 2020-08-17        0    0     3    A      0
## 998  1.380508e+19 2020-08-18        0    0     1    E     10
## 999  1.380844e+19 2020-08-18        0    0    89    A      0
## 1000 1.381171e+19 2020-08-12        0    0    15    A     87
## 1001 1.382519e+19 2020-08-19        0    0     3    A     27
## 1002 1.382625e+19 2020-08-15        0    0     1    A     65
## 1003 1.382737e+19 2020-08-13        0    0     1    D      0
## 1004 1.382859e+19 2020-08-16        0    0     1    A     11
## 1005 1.383164e+19 2020-08-13        0    0     8    A      0
## 1006 1.383189e+19 2020-08-14        0    0     1    A      0
## 1007 1.383469e+17 2020-08-18        0    0     9    G    153
## 1008 1.384546e+19 2020-08-20        0    0     3    A     62
## 1009 1.384905e+19 2020-08-10        0    0    13    C      0
## 1010 1.385456e+19 2020-08-11        0    0     4    G     99
## 1011 1.385666e+19 2020-08-14        0    0     3    A      0
## 1012 1.385695e+19 2020-08-20        0    0     2    A     26
## 1013 1.385854e+19 2020-08-10        0    0    13    A     17
## 1014 1.386192e+19 2020-08-18        0    0     2    A      0
## 1015 1.386608e+19 2020-08-15        0    0     3    A      0
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## 1016 1.387710e+19 2020-08-17      0      0      11      G      72
## 1017 1.387789e+19 2020-08-20      0      0       1      A      50
## 1018 1.388180e+19 2020-08-15      0      0      36      C       0
## 1019 1.389342e+18 2020-08-17      1   1079      18      G     154
## 1020 1.389948e+19 2020-08-15      0      0       4      D      36
## 1021 1.391213e+19 2020-08-19      1    716       8      D       0
## 1022 1.391478e+19 2020-08-11      0      0       2      A       0
## 1023 1.391540e+19 2020-08-18      0      0       1      A      28
## 1024 1.391602e+19 2020-08-16      0      0       7   <NA>       0
## 1025 1.392383e+19 2020-08-16      0      0      65      F      35
## 1026 1.392662e+19 2020-08-16      0      0      53      C     208
## 1027 1.392806e+19 2020-08-15      0      0       4      A       0
## 1028 1.392971e+19 2020-08-19      0      0      26      A       0
## 1029 1.393027e+19 2020-08-17      0      0       8      D       0
## 1030 1.393070e+19 2020-08-19      0      0       2      A      30
## 1031 1.393438e+18 2020-08-15      0      0       5      D       0
## 1032 1.393620e+19 2020-08-19      0      0       8      E       0
## 1033 1.393676e+18 2020-08-16      0      0      14      C      35
## 1034 1.393992e+19 2020-08-12      0      0       2      A       0
## 1035 1.394142e+19 2020-08-11      0      0      12      A      65
## 1036 1.394552e+19 2020-08-10      0      0       4      A      45
## 1037 1.395462e+19 2020-08-12      0      0       1      A      87
## 1038 1.395654e+19 2020-08-10      0      0       6      A       0
## 1039 1.395666e+19 2020-08-16      0      0      18      C     121
## 1040 1.396714e+18 2020-08-13      0      0       3      A      16
## 1041 1.397226e+19 2020-08-11      0      0       3      C     208
## 1042 1.397463e+19 2020-08-17      0      0      27      B     223
## 1043 1.397559e+19 2020-08-19      0      0      14      A      36
## 1044 1.398750e+19 2020-08-17      0      0       1      A      29
## 1045 1.398917e+19 2020-08-14      0      0       2      D       0
## 1046 1.399258e+19 2020-08-20      0      0      27      F      45
## 1047 1.400455e+19 2020-08-12      0      0      18      A     108
## 1048 1.401138e+19 2020-08-15      1    239       4      A      65
## 1049 1.401214e+18 2020-08-16      0      0       3      F       0
## 1050 1.401492e+19 2020-08-13      0      0       2      G      52
## 1051 1.403631e+19 2020-08-20      0      0      11      A       0
## 1052 1.403665e+19 2020-08-20      0      0       2      A       0
## 1053 1.403850e+19 2020-08-18      0      0       2      A       0
## 1054 1.405826e+19 2020-08-10      1    909      12      A       0
## 1055 1.405858e+19 2020-08-14      0      0      22      B      51
## 1056 1.406101e+19 2020-08-10      0      0      14      G      55
## 1057 1.406234e+19 2020-08-15      0      0       1      A       0
## 1058 1.407138e+19 2020-08-17      0      0      17      C      34
## 1059 1.407261e+19 2020-08-20      0      0       1      A       0
## 1060 1.407450e+19 2020-08-14      0      0       2      A       0
## 1061 1.408889e+19 2020-08-16      0      0       3      A      11
## 1062 1.409612e+19 2020-08-14      0      0      35   <NA>     130
## 1063 1.410206e+19 2020-08-14      0      0       2      A       0
## 1064 1.412190e+19 2020-08-19      1    399      45      B       0
## 1065 1.412548e+19 2020-08-12      0      0       2      A      87
## 1066 1.412703e+19 2020-08-16      0      0      30      A      30
## 1067 1.413481e+19 2020-08-20      0      0       2      A      99
## 1068 1.413617e+18 2020-08-12      0      0       8      D      53
## 1069 1.413851e+19 2020-08-18      0      0      81      C     208
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## 1070 1.413889e+19 2020-08-19          0      0     34        C         0
## 1071 1.414054e+19 2020-08-11          0      0      1        D         0
## 1072 1.414880e+19 2020-08-18          0      0      1        A         9
## 1073 1.415064e+19 2020-08-19          0      0      2        A         0
## 1074 1.415270e+19 2020-08-16          0      0     18        G        49
## 1075 1.415478e+19 2020-08-15          0      0      8        D        50
## 1076 1.415504e+18 2020-08-11          0      0     26        A        44
## 1077 1.416313e+19 2020-08-18          0      0     11        B         0
## 1078 1.416645e+18 2020-08-10          0      0      3        A        93
## 1079 1.417240e+19 2020-08-12          0      0      2        A        43
## 1080 1.418170e+19 2020-08-15          0      0      2        C        56
## 1081 1.418415e+18 2020-08-18          0      0     10        C       166
## 1082 1.418862e+19 2020-08-17          0      0     18        C        29
## 1083 1.419100e+19 2020-08-18          0      0     13        A        52
## 1084 1.419113e+19 2020-08-16          0      0     26        A        54
## 1085 1.419477e+19 2020-08-11          0      0      7        C        62
## 1086 1.419869e+19 2020-08-16          1   1339     14        A         0
## 1087 1.419918e+18 2020-08-14          0      0      7        A         0
## 1088 1.420622e+19 2020-08-12          0      0      7        A       141
## 1089 1.422313e+19 2020-08-20          0      0      2        A         7
## 1090 1.423302e+19 2020-08-16          0      0     19        A         0
## 1091 1.424266e+19 2020-08-18          0      0      1        A         0
## 1092 1.424529e+19 2020-08-10          0      0     11        A         0
## 1093 1.424891e+19 2020-08-18          0      0      8        G        71
## 1094 1.426924e+19 2020-08-20          0      0      5        A        35
## 1095 1.427123e+19 2020-08-15          0      0      5        D        85
## 1096 1.427603e+19 2020-08-20          0      0     42        F        31
## 1097 1.427667e+19 2020-08-17          0      0     20        C         0
## 1098 1.427703e+19 2020-08-11          0      0      8        D       141
## 1099 1.428106e+19 2020-08-12          0      0      3        D         0
## 1100 1.429466e+19 2020-08-19          0      0      9        A         0
## 1101 1.430136e+19 2020-08-18          0      0     33        C         0
## 1102 1.430175e+19 2020-08-13          0      0      4        D         0
## 1103 1.430973e+19 2020-08-14          0      0     21        A        65
## 1104 1.431404e+17 2020-08-14          0      0      2        D         0
## 1105 1.432818e+19 2020-08-11          0      0      9        C        42
## 1106 1.432942e+19 2020-08-16          0      0      1        A        11
## 1107 1.433146e+19 2020-08-12          0      0      1        A         0
## 1108 1.433453e+19 2020-08-10          0      0     58        A         0
## 1109 1.433513e+19 2020-08-11          0      0     16        A        16
## 1110 1.434167e+19 2020-08-16          0      0      4        B        73
## 1111 1.434553e+19 2020-08-20          0      0     22        C        29
## 1112 1.434991e+19 2020-08-11          0      0      2        A         0
## 1113 1.436375e+19 2020-08-19          0      0     37        F        32
## 1114 1.437540e+19 2020-08-15          0      0      1        A        86
## 1115 1.437584e+19 2020-08-17          0      0     26        A        38
## 1116 1.437603e+19 2020-08-20          0      0      5        A        29
## 1117 1.437939e+19 2020-08-11          0      0      2        D         0
## 1118 1.439169e+19 2020-08-15          0      0      6        C         0
## 1119 1.439504e+19 2020-08-12          1   1499     24        A        15
## 1120 1.439719e+19 2020-08-12          0      0     11     <NA>         0
## 1121 1.439731e+19 2020-08-16          0      0      5        A        30
## 1122 1.439949e+18 2020-08-18          0      0      4        A         0
## 1123 1.440145e+19 2020-08-10          0      0      1        F       141
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## 1124 1.440430e+19 2020-08-20          0       0       5       D       0
## 1125 1.440611e+19 2020-08-17          0       0       7       A       0
## 1126 1.440737e+19 2020-08-19          0       0       1       A       0
## 1127 1.440904e+19 2020-08-16          0       0      10       A      11
## 1128 1.441568e+19 2020-08-20          0       0       2       E       0
## 1129 1.442284e+19 2020-08-14          0       0       1       A       0
## 1130 1.442515e+18 2020-08-10          1     718      16       A       0
## 1131 1.443152e+19 2020-08-14          0       0       6       C      37
## 1132 1.443402e+19 2020-08-20          0       0       2       A      35
## 1133 1.443608e+19 2020-08-16          0       0      46       F      49
## 1134 1.444784e+19 2020-08-13          0       0       1       G     223
## 1135 1.445154e+19 2020-08-15          0       0      18       B      50
## 1136 1.445369e+19 2020-08-18          0       0      11       B      33
## 1137 1.445883e+19 2020-08-16          0       0       4       A       0
## 1138 1.446460e+19 2020-08-14          0       0       1       B      37
## 1139 1.448121e+19 2020-08-12          0       0       3       B       0
## 1140 1.448887e+19 2020-08-20          0       0       4       A      35
## 1141 1.449671e+19 2020-08-12          0       0      14       C       0
## 1142 1.449994e+19 2020-08-14          0       0       8       D      37
## 1143 1.450335e+19 2020-08-10          0       0       3       A     141
## 1144 1.450485e+19 2020-08-13          0       0       4       C      81
## 1145 1.450778e+19 2020-08-10          0       0       1       A      65
## 1146 1.450970e+19 2020-08-11          0       0       4       A      69
## 1147 1.451148e+19 2020-08-20          0       0      54       A       0
## 1148 1.451371e+19 2020-08-10          0       0      14       A       0
## 1149 1.451643e+18 2020-08-13          0       0       5       E       0
## 1150 1.452383e+19 2020-08-10          0       0       2       A      65
## 1151 1.452430e+19 2020-08-13          0       0       2       D       0
## 1152 1.453491e+19 2020-08-11          0       0       1       A      16
## 1153 1.453663e+19 2020-08-17          0       0      47       B      34
## 1154 1.453802e+19 2020-08-18          0       0      15       C      81
## 1155 1.453837e+19 2020-08-17          0       0       5       A       0
## 1156 1.454274e+19 2020-08-15          0       0       3       A      62
## 1157 1.455495e+19 2020-08-10          0       0       4       E     136
## 1158 1.456275e+19 2020-08-12          0       0       4       A      15
## 1159 1.457586e+19 2020-08-15          0       0       1       A       0
## 1160 1.457761e+19 2020-08-17          0       0       7       C      65
## 1161 1.457845e+18 2020-08-19          0       0       5       A      51
## 1162 1.458991e+19 2020-08-12          0       0       2       A      87
## 1163 1.459070e+19 2020-08-17          0       0      11       A       0
## 1164 1.459560e+19 2020-08-14          0       0       1       G      51
## 1165 1.460000e+19 2020-08-19          0       0       1       C      70
## 1166 1.461228e+19 2020-08-10          1    2699      11       A      45
## 1167 1.461240e+19 2020-08-20          0       0      13       D     103
## 1168 1.462179e+19 2020-08-20          0       0       3       A       0
## 1169 1.463092e+19 2020-08-19          0       0       1       A      51
## 1170 1.463287e+19 2020-08-13          0       0       1       D      38
## 1171 1.463376e+19 2020-08-20          0       0       6       C       0
## 1172 1.463532e+19 2020-08-20          0       0       9       A      29
## 1173 1.464392e+19 2020-08-19          1    1339      13       G      70
## 1174 1.464477e+19 2020-08-15          0       0      29       A       0
## 1175 1.465764e+19 2020-08-12          0       0       3       G     111
## 1176 1.466572e+19 2020-08-20          0       0       2       A      50
## 1177 1.467246e+19 2020-08-16          0       0       2       A      11
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## 1178 1.467901e+19 2020-08-11          0      0      7      C      0
## 1179 1.468280e+19 2020-08-12          0      0      3      B      0
## 1180 1.468353e+19 2020-08-14          0      0      1      A     13
## 1181 1.468591e+18 2020-08-13          0      0      1      D      0
## 1182 1.468719e+19 2020-08-16          0      0     15      G     49
## 1183 1.470177e+19 2020-08-14          0      0      8      A     41
## 1184 1.470625e+19 2020-08-13          0      0      1      A    141
## 1185 1.470855e+19 2020-08-11          0      0      3      A     16
## 1186 1.471490e+19 2020-08-16          0      0      3      B     35
## 1187 1.471922e+19 2020-08-11          0      0     12      A     42
## 1188 1.472048e+19 2020-08-19          0      0     16      D     32
## 1189 1.472373e+19 2020-08-10          0      0      8      C      0
## 1190 1.473429e+19 2020-08-13          0      0      1      G     52
## 1191 1.474024e+19 2020-08-19          0      0      1      B      0
## 1192 1.474252e+19 2020-08-13          0      0      4      A      0
## 1193 1.474300e+18 2020-08-14          0      0      2      A     65
## 1194 1.474694e+19 2020-08-20          0      0      1      B     31
## 1195 1.474860e+19 2020-08-16          0      0      3      B      0
## 1196 1.475020e+19 2020-08-10          1   1799      9      A     17
## 1197 1.475445e+19 2020-08-20          0      0      2      F    100
## 1198 1.475668e+19 2020-08-11          0      0      4      A      0
## 1199 1.476449e+19 2020-08-13          0      0     18      A      0
## 1200 1.476526e+19 2020-08-10          0      0     51      B    198
## 1201 1.477056e+19 2020-08-11          1    639      1      F     16
## 1202 1.477336e+18 2020-08-13          0      0      1      A      0
## 1203 1.477688e+19 2020-08-20          0      0      4      A      0
## 1204 1.478455e+19 2020-08-14          0      0     13      A     41
## 1205 1.478821e+19 2020-08-14          0      0      4      D      0
## 1206 1.480680e+19 2020-08-11          0      0      5      F      0
## 1207 1.481162e+19 2020-08-16          0      0      4      A      0
## 1208 1.481731e+19 2020-08-15          0      0     30      A      0
## 1209 1.482034e+19 2020-08-14          0      0      1      A      0
## 1210 1.482729e+19 2020-08-19          0      0     38      A      0
## 1211 1.483432e+19 2020-08-18          0      0     31      C      0
## 1212 1.483585e+18 2020-08-17          0      0     29      B      0
## 1213 1.485031e+19 2020-08-11          0      0      1      A     54
## 1214 1.485626e+18 2020-08-16          0      0     15      C     11
## 1215 1.485981e+19 2020-08-20          0      0      1      A     35
## 1216 1.486421e+19 2020-08-15          0      0     39      A      0
## 1217 1.486657e+19 2020-08-20          0      0      9      A     69
## 1218 1.486707e+19 2020-08-12          0      0      2      F     43
## 1219 1.486733e+19 2020-08-16          0      0      7      C      0
## 1220 1.486748e+19 2020-08-12          0      0      3      B      0
## 1221 1.486908e+19 2020-08-11          0      0      2      A      0
## 1222 1.487055e+19 2020-08-14          0      0      5      G      0
## 1223 1.488738e+19 2020-08-18          0      0     30      A     10
## 1224 1.489736e+19 2020-08-19          0      0      4      G     81
## 1225 1.490955e+19 2020-08-13          0      0     16      C     38
## 1226 1.491311e+19 2020-08-10          1   1339     52      A     17
## 1227 1.492002e+19 2020-08-15          0      0      4      C      0
## 1228 1.492231e+18 2020-08-11          0      0     49      A      0
## 1229 1.492961e+19 2020-08-17          0      0     11      A     72
## 1230 1.493097e+19 2020-08-14          0      0      1      A     15
## 1231 1.493490e+19 2020-08-12          0      0      1      D    139
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## 1232 1.494122e+19 2020-08-19        0    0    1    D      0
## 1233 1.494240e+19 2020-08-10        0    0    5    D     45
## 1234 1.494381e+19 2020-08-19        0    0    5    B      0
## 1235 1.495258e+19 2020-08-17        0    0    3    A      0
## 1236 1.495839e+19 2020-08-17        0    0   14    A     10
## 1237 1.496779e+19 2020-08-17        0    0   29    B     48
## 1238 1.497390e+19 2020-08-12        0    0    2    A      0
## 1239 1.497941e+19 2020-08-10        0    0    6    E      0
## 1240 1.498915e+19 2020-08-15        0    0    1    A     40
## 1241 1.499573e+18 2020-08-11        0    0    5    B     78
## 1242 1.499811e+19 2020-08-19        0    0    6    D    104
## 1243 1.499882e+19 2020-08-16        0    0    5    A     39
## 1244 1.500111e+19 2020-08-15        0    0   14    B     36
## 1245 1.500810e+19 2020-08-16        0    0    5    D      0
## 1246 1.501062e+19 2020-08-11        0    0    1    A      0
## 1247 1.502431e+19 2020-08-20        0    0    4    A     35
## 1248 1.502808e+19 2020-08-20        0    0    2    A     29
## 1249 1.502894e+19 2020-08-11        0    0    1    A     16
## 1250 1.503088e+19 2020-08-18        0    0    1    A     37
## 1251 1.504266e+19 2020-08-17        0    0    2    A      0
## 1252 1.504655e+19 2020-08-18        0    0   27    A     52
## 1253 1.505748e+19 2020-08-11        0    0    8    A     62
## 1254 1.506565e+19 2020-08-19        0    0    2    E      0
## 1255 1.506878e+19 2020-08-13        0    0    1    A     15
## 1256 1.507223e+19 2020-08-11        0    0    2    A     92
## 1257 1.507539e+19 2020-08-17        0    0   62 <NA>    127
## 1258 1.507952e+19 2020-08-16        0    0    1    A     39
## 1259 1.508657e+19 2020-08-12        0    0    4    G    159
## 1260 1.509518e+19 2020-08-14        0    0    4    A    106
## 1261 1.509545e+19 2020-08-18        0    0    1    A      0
## 1262 1.509611e+19 2020-08-17        0    0    5    G    223
## 1263 1.509719e+19 2020-08-11        0    0    9    A      0
## 1264 1.510076e+19 2020-08-20        0    0   27    A      0
## 1265 1.511437e+19 2020-08-18        0    0    9    D     33
## 1266 1.511984e+19 2020-08-17        0    0    5    A      0
## 1267 1.512563e+19 2020-08-16        0    0    5    A      0
## 1268 1.512571e+19 2020-08-12        0    0    5    A      0
## 1269 1.513066e+19 2020-08-14        0    0   21    A      0
## 1270 1.513308e+18 2020-08-19        0    0    1    B      0
## 1271 1.513345e+19 2020-08-12        0    0    2    A     43
## 1272 1.514216e+19 2020-08-11        0    0    2    B     40
## 1273 1.514933e+19 2020-08-14        0    0   63    A     13
## 1274 1.515266e+19 2020-08-18        0    0    5 <NA>      0
## 1275 1.515310e+19 2020-08-14        0    0    1    A     62
## 1276 1.515335e+19 2020-08-19        0    0    1 <NA>      0
## 1277 1.515719e+19 2020-08-13        0    0   15    C     52
## 1278 1.515764e+19 2020-08-18        0    0   22    A      0
## 1279 1.516082e+19 2020-08-14        0    0    1    A      0
## 1280 1.516570e+19 2020-08-19        0    0    4    A      8
## 1281 1.516881e+19 2020-08-17        0    0    4    D     72
## 1282 1.517572e+19 2020-08-14        0    0    2    A      0
## 1283 1.518076e+19 2020-08-10        0    0    9    C     43
## 1284 1.518214e+19 2020-08-13        0    0    2    A     14
## 1285 1.518587e+19 2020-08-14        0    0   19    A     13
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## 1286 1.518928e+19 2020-08-11       0       0      1      A         0
## 1287 1.519061e+19 2020-08-17       0       0      3      D        72
## 1288 1.519417e+19 2020-08-20       1    1569     47      A         0
## 1289 1.519570e+19 2020-08-10       0       0     16      D        55
## 1290 1.519680e+19 2020-08-13       0       0     15      A        67
## 1291 1.520046e+19 2020-08-15       0       0      4      B         0
## 1292 1.520584e+19 2020-08-15       0       0      4      C        81
## 1293 1.520690e+19 2020-08-17       0       0      3      A         0
## 1294 1.520829e+19 2020-08-12       0       0      6      A         0
## 1295 1.520848e+19 2020-08-17       0       0      1      A         0
## 1296 1.520966e+19 2020-08-14       0       0      1      E         0
## 1297 1.522328e+19 2020-08-16       0       0      4      C       208
## 1298 1.522592e+19 2020-08-10       0       0      2      A        17
## 1299 1.524427e+19 2020-08-19       0       0      5      A       101
## 1300 1.524473e+19 2020-08-17       0       0      1      E         0
## 1301 1.524528e+19 2020-08-17       0       0      2      A        53
## 1302 1.524734e+19 2020-08-19       0       0      6      A         0
## 1303 1.525275e+19 2020-08-18       0       0      8      C         0
## 1304 1.526029e+19 2020-08-14       0       0      4      E         0
## 1305 1.526928e+19 2020-08-11       0       0     39      B         0
## 1306 1.527300e+19 2020-08-14       0       0      5      C        13
## 1307 1.527365e+19 2020-08-18       0       0      2      A        52
## 1308 1.527494e+19 2020-08-20       0       0      7      C       117
## 1309 1.527682e+19 2020-08-11       0       0      1      A         0
## 1310 1.527703e+19 2020-08-19       0       0      9      C        32
## 1311 1.528704e+19 2020-08-19       0       0      9   <NA>        0
## 1312 1.529559e+19 2020-08-10       0       0      1      A         0
## 1313 1.529570e+19 2020-08-16       0       0     60      A        11
## 1314 1.529714e+19 2020-08-18       0       0      2      C         0
## 1315 1.530173e+19 2020-08-19       0       0      3      A         0
## 1316 1.530869e+19 2020-08-13       0       0      1      C         0
## 1317 1.531077e+19 2020-08-19       0       0      1      F       141
## 1318 1.531440e+19 2020-08-19       1    1499     25      A        36
## 1319 1.531485e+18 2020-08-16       0       0      2      A         0
## 1320 1.531529e+18 2020-08-18       0       0     14      A        52
## 1321 1.531840e+19 2020-08-19       0       0     13      D         0
## 1322 1.532469e+19 2020-08-19       0       0      6      D         0
## 1323 1.532703e+19 2020-08-16       0       0     13      A         0
## 1324 1.532822e+19 2020-08-13       0       0     13      C        81
## 1325 1.533865e+19 2020-08-10       0       0      9      D         0
## 1326 1.535239e+18 2020-08-19       0       0      6      A        30
## 1327 1.535331e+19 2020-08-20       0       0      4      A         0
## 1328 1.535523e+19 2020-08-17       0       0      3      A         0
## 1329 1.536180e+18 2020-08-11       0       0      1      A        16
## 1330 1.536589e+19 2020-08-12       0       0      2      A        15
## 1331 1.536925e+19 2020-08-12       0       0     32      A        16
## 1332 1.537053e+19 2020-08-19       0       0     41      B        32
## 1333 1.537071e+19 2020-08-10       0       0      9      C        17
## 1334 1.537567e+19 2020-08-13       0       0     20      A        14
## 1335 1.537740e+19 2020-08-17       0       0      1      A       141
## 1336 1.537985e+19 2020-08-10       0       0      6      A         0
## 1337 1.538085e+18 2020-08-13       0       0      1      A        65
## 1338 1.538413e+19 2020-08-14       0       0     16      C         0
## 1339 1.538475e+19 2020-08-16       0       0      1      A        54
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## 1340 1.539735e+19 2020-08-14        0     0    12      C       0
## 1341 1.539788e+19 2020-08-15        0     0     2      A      31
## 1342 1.540569e+19 2020-08-17        0     0    21      C     166
## 1343 1.541256e+19 2020-08-18        0     0     9      G     153
## 1344 1.541312e+19 2020-08-15        0     0     3      A       0
## 1345 1.541353e+19 2020-08-10        0     0     3      D      81
## 1346 1.542684e+19 2020-08-10        0     0     3      A      45
## 1347 1.543048e+19 2020-08-15        0     0    62      A      13
## 1348 1.544019e+19 2020-08-12        0     0     1      A       0
## 1349 1.544290e+19 2020-08-10        0     0    18      D      81
## 1350 1.544595e+19 2020-08-20        0     0     6      B       0
## 1351 1.544653e+19 2020-08-10        0     0     2      A       0
## 1352 1.547244e+19 2020-08-11        0     0    11      A     109
## 1353 1.547246e+19 2020-08-15        0     0     4      B       0
## 1354 1.547768e+19 2020-08-19        0     0     1      E       0
## 1355 1.548169e+19 2020-08-13        0     0     6      D      52
## 1356 1.549119e+19 2020-08-14        0     0     2      B      75
## 1357 1.549910e+19 2020-08-17        0     0     6      A      38
## 1358 1.550265e+19 2020-08-18        0     0    29   <NA>       0
## 1359 1.552045e+19 2020-08-13        0     0     1      A      14
## 1360 1.552491e+19 2020-08-13        0     0     1      A      14
## 1361 1.552625e+18 2020-08-20        0     0     1      A      26
## 1362 1.553201e+19 2020-08-18        1  1529    39      A       0
## 1363 1.553966e+18 2020-08-18        1  1299    16      A      28
## 1364 1.554016e+19 2020-08-13        0     0     4      D      38
## 1365 1.554073e+19 2020-08-17        0     0     5      A       0
## 1366 1.554914e+19 2020-08-15        0     0     8      A       0
## 1367 1.554939e+19 2020-08-17        0     0     2      A       0
## 1368 1.555393e+19 2020-08-19        0     0    11      A       0
## 1369 1.555841e+19 2020-08-16        0     0    16      B      49
## 1370 1.556289e+19 2020-08-19        0     0    11      A      51
## 1371 1.556359e+19 2020-08-16        1   999     7      F      49
## 1372 1.556949e+19 2020-08-13        0     0    25      A       0
## 1373 1.558554e+18 2020-08-13        0     0    17      B      52
## 1374 1.559146e+19 2020-08-17        0     0     3      C       0
## 1375 1.559269e+19 2020-08-16        0     0    15      F     104
## 1376 1.559336e+19 2020-08-17        0     0     8      A      10
## 1377 1.559341e+19 2020-08-11        0     0     1      A       0
## 1378 1.560619e+19 2020-08-16        0     0     9      D      35
## 1379 1.560821e+19 2020-08-20        0     0     2      A      35
## 1380 1.561492e+19 2020-08-14        0     0     1      A      41
## 1381 1.561901e+19 2020-08-18        0     0     1      A     101
## 1382 1.562993e+19 2020-08-10        0     0     4   <NA>      17
## 1383 1.563278e+18 2020-08-16        0     0     7      A       0
## 1384 1.563400e+19 2020-08-10        0     0    16      F       0
## 1385 1.563711e+19 2020-08-11        0     0    17      D       0
## 1386 1.564170e+19 2020-08-20        0     0     3      B       0
## 1387 1.565191e+19 2020-08-16        0     0    14      F       0
## 1388 1.566284e+19 2020-08-12        0     0    22      D      53
## 1389 1.566571e+19 2020-08-12        0     0    16      B       0
## 1390 1.566629e+19 2020-08-14        0     0     6      A       0
## 1391 1.566948e+19 2020-08-13        0     0     1      A       0
## 1392 1.567341e+19 2020-08-16        0     0     3      D      65
## 1393 1.567427e+19 2020-08-13        0     0    11      A      65
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## 1394 1.567556e+18 2020-08-17        0      0     18       A      0
## 1395 1.567615e+19 2020-08-20        0      0     54       C    208
## 1396 1.567968e+19 2020-08-13        0      0      1       A     16
## 1397 1.568608e+19 2020-08-18        0      0      2       A      0
## 1398 1.568806e+18 2020-08-14        0      0      3       D     95
## 1399 1.570357e+19 2020-08-16        0      0      6       C      0
## 1400 1.570687e+19 2020-08-17        0      0      5    <NA>      0
## 1401 1.571204e+19 2020-08-15        0      0     34       A     65
## 1402 1.571856e+19 2020-08-14        0      0     20       A      0
## 1403 1.572801e+19 2020-08-20        0      0      2       G     45
## 1404 1.572880e+19 2020-08-12        0      0     21       A     15
## 1405 1.573157e+19 2020-08-20        0      0     33       A     35
## 1406 1.573953e+19 2020-08-17        0      0      7       A     38
## 1407 1.574649e+18 2020-08-13        0      0      1       C      0
## 1408 1.575209e+19 2020-08-14        0      0      1       A     51
## 1409 1.576425e+19 2020-08-15        0      0      1       D      0
## 1410 1.577533e+18 2020-08-15        0      0      9       A     40
## 1411 1.577675e+19 2020-08-16        0      0      7       G    155
## 1412 1.578594e+18 2020-08-20        0      0     10       A     50
## 1413 1.579260e+19 2020-08-12        1    669     26       C      3
## 1414 1.580612e+19 2020-08-15        0      0      2       F     50
## 1415 1.581220e+18 2020-08-18        0      0      1       C      0
## 1416 1.581312e+19 2020-08-15        0      0      7       G    156
## 1417 1.581767e+19 2020-08-18        0      0      4       A     52
## 1418 1.582125e+19 2020-08-12        0      0      1       G     39
## 1419 1.582478e+19 2020-08-13        0      0      3       A      0
## 1420 1.582534e+19 2020-08-10        0      0      1       D      0
## 1421 1.582863e+19 2020-08-11        0      0      3       A      0
## 1422 1.584647e+19 2020-08-16        1    739    183       C      0
## 1423 1.584695e+19 2020-08-12        0      0      6       A      0
## 1424 1.585089e+18 2020-08-19        0      0      5       A     51
## 1425 1.585758e+19 2020-08-17        0      0      8       A      0
## 1426 1.585823e+19 2020-08-13        0      0     46       A     15
## 1427 1.586442e+19 2020-08-16        0      0      4       A     11
## 1428 1.586678e+18 2020-08-12        0      0      1       F     17
## 1429 1.586807e+18 2020-08-18        0      0      3       A     28
## 1430 1.586924e+19 2020-08-19        0      0     13       A      0
## 1431 1.587237e+19 2020-08-18        0      0      1       D      0
## 1432 1.587304e+19 2020-08-18        0      0      5       A      0
## 1433 1.587949e+19 2020-08-19        0      0     12       D     81
## 1434 1.588116e+19 2020-08-18        0      0      5       A      0
## 1435 1.588829e+19 2020-08-17        0      0      1       G     72
## 1436 1.588968e+19 2020-08-11        0      0      2       A     44
## 1437 1.588982e+19 2020-08-18        0      0      1    <NA>      0
## 1438 1.589044e+19 2020-08-16        0      0      6       A      0
## 1439 1.589257e+19 2020-08-12        0      0      1       A     17
## 1440 1.589468e+19 2020-08-10        0      0      4       D     43
## 1441 1.590179e+19 2020-08-17        0      0      8       B     34
## 1442 1.590327e+19 2020-08-11        0      0     44       A      0
## 1443 1.591271e+19 2020-08-10        0      0      2       A     19
## 1444 1.591273e+19 2020-08-12        0      0      6       C     59
## 1445 1.592413e+19 2020-08-15        1    899     24       C      0
## 1446 1.592476e+19 2020-08-17        0      0      2       D     32
## 1447 1.593123e+19 2020-08-11        0      0      1       A      0
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## 1448 1.593317e+19 2020-08-17      0     0    1     A     29
## 1449 1.593906e+19 2020-08-11      0     0    9     C    208
## 1450 1.593961e+19 2020-08-16      0     0   16     D     33
## 1451 1.594223e+19 2020-08-11      0     0    1     A     44
## 1452 1.594241e+19 2020-08-12      0     0    1     A     91
## 1453 1.595126e+18 2020-08-12      0     0   30     B      0
## 1454 1.595971e+19 2020-08-19      0     0    2     A      8
## 1455 1.596202e+19 2020-08-17      0     0    3     F     32
## 1456 1.596589e+19 2020-08-17      0     0    2     B      0
## 1457 1.596746e+19 2020-08-15      0     0    1     A     65
## 1458 1.597726e+19 2020-08-13      0     0    1     A     62
## 1459 1.597820e+19 2020-08-15      0     0   48     A      0
## 1460 1.598939e+19 2020-08-15      0     0    2     A      0
## 1461 1.598956e+17 2020-08-14      0     0   12     A      0
## 1462 1.598971e+19 2020-08-14      0     0    1  <NA>      0
## 1463 1.599218e+19 2020-08-14      0     0    5     A    132
## 1464 1.599861e+18 2020-08-10      0     0    2     A      0
## 1465 1.600176e+19 2020-08-19      0     0    8     A      0
## 1466 1.600751e+19 2020-08-10      0     0    2     A      0
## 1467 1.602071e+19 2020-08-11      0     0    1     A     92
## 1468 1.602408e+19 2020-08-18      0     0    8     A      0
## 1469 1.602439e+19 2020-08-14      0     0    1     F     85
## 1470 1.602842e+19 2020-08-13      0     0    8     B      0
## 1471 1.604107e+19 2020-08-16      0     0   10     D    155
## 1472 1.604339e+19 2020-08-20      0     0    2     A     29
## 1473 1.604653e+19 2020-08-10      0     0    4     A     91
## 1474 1.605741e+19 2020-08-18      0     0    4     C      0
## 1475 1.605899e+19 2020-08-15      0     0    1     A     62
## 1476 1.606126e+19 2020-08-19      0     0    1     C      0
## 1477 1.606514e+19 2020-08-11      0     0    4     A      0
## 1478 1.606889e+19 2020-08-14      0     0   42     A      0
## 1479 1.607085e+17 2020-08-16      0     0    3     A     11
## 1480 1.607114e+19 2020-08-14      0     0   10     A     13
## 1481 1.607302e+19 2020-08-10      0     0   32     B    223
## 1482 1.608007e+19 2020-08-17      0     0    2     D      0
## 1483 1.608675e+19 2020-08-12      0     0    5     C      0
## 1484 1.609097e+19 2020-08-11      0     0    6     C      0
## 1485 1.610146e+19 2020-08-11      0     0    1     F     68
## 1486 1.610189e+19 2020-08-16      0     0    4     A      0
## 1487 1.610591e+19 2020-08-11      0     0   36     B    223
## 1488 1.610647e+19 2020-08-11      0     0    5     C      0
## 1489 1.611107e+19 2020-08-18      0     0   45     A      0
## 1490 1.611837e+19 2020-08-11      0     0    1     A      0
## 1491 1.611923e+18 2020-08-17      0     0    1     A     53
## 1492 1.612478e+19 2020-08-17      0     0   20     F     34
## 1493 1.612524e+19 2020-08-12      0     0    3     A      0
## 1494 1.613006e+19 2020-08-16      0     0    2     A    141
## 1495 1.613813e+19 2020-08-11      0     0    3     A      0
## 1496 1.614035e+19 2020-08-12      0     0    1     G     53
## 1497 1.614110e+19 2020-08-15      0     0    1     A      0
## 1498 1.614113e+19 2020-08-20      0     0    4     A      0
## 1499 1.614464e+19 2020-08-12      0     0    2     D     97
## 1500 1.615427e+19 2020-08-16      0     0    2     A     54
## 1501 1.615562e+19 2020-08-14      0     0   10     B     37
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## 1502 1.615827e+19 2020-08-17      0      0   13      C     34
## 1503 1.616901e+19 2020-08-11      1    939   25      C      0
## 1504 1.616927e+18 2020-08-16      0      0   16      C      0
## 1505 1.616936e+19 2020-08-14      0      0    3      A      0
## 1506 1.618605e+19 2020-08-17      0      0    1      D      0
## 1507 1.619069e+19 2020-08-16      0      0   14      C      0
## 1508 1.621740e+19 2020-08-19      0      0    2      A     51
## 1509 1.622224e+19 2020-08-20      0      0    7      A    100
## 1510 1.622377e+19 2020-08-15      0      0   18      C      0
## 1511 1.622615e+19 2020-08-19      0      0    7      E      0
## 1512 1.623742e+19 2020-08-20      0      0    1      A     35
## 1513 1.624191e+19 2020-08-14      0      0    4      A    106
## 1514 1.624387e+19 2020-08-12      0      0    1      A      0
## 1515 1.624862e+18 2020-08-18      0      0    5      A    141
## 1516 1.625210e+19 2020-08-12      1    349   14      C      0
## 1517 1.625441e+19 2020-08-18      0      0    4      A      0
## 1518 1.625593e+19 2020-08-11      0      0    1      B     42
## 1519 1.625972e+19 2020-08-19      0      0    4   <NA>     27
## 1520 1.626102e+19 2020-08-14      0      0    6      C    208
## 1521 1.626190e+19 2020-08-15      0      0    1      F    141
## 1522 1.626431e+19 2020-08-17      0      0    1      A      0
## 1523 1.626511e+19 2020-08-15      0      0    8      D    108
## 1524 1.627465e+19 2020-08-19      0      0    5      A     36
## 1525 1.627495e+19 2020-08-18      0      0    6      C     71
## 1526 1.627528e+19 2020-08-19      0      0    1      G     32
## 1527 1.628010e+19 2020-08-10      0      0   10      F     55
## 1528 1.628755e+19 2020-08-20      0      0    4      A      0
## 1529 1.629157e+19 2020-08-16      0      0   18      C     49
## 1530 1.629238e+18 2020-08-12      0      0    6      A      0
## 1531 1.631268e+19 2020-08-20      0      0    3      C     69
## 1532 1.632382e+19 2020-08-19      0      0    4      F     77
## 1533 1.632636e+19 2020-08-12      0      0    1      F     87
## 1534 1.632685e+18 2020-08-18      0      0    8      A     37
## 1535 1.632900e+19 2020-08-13      0      0    8      C    208
## 1536 1.633072e+19 2020-08-15      0      0   33      A     12
## 1537 1.633174e+19 2020-08-14      0      0    3      A     65
## 1538 1.633801e+19 2020-08-12      0      0   14      A      0
## 1539 1.634706e+19 2020-08-16      0      0   41      A     12
## 1540 1.635516e+19 2020-08-20      0      0    6      G     31
## 1541 1.635657e+19 2020-08-17      0      0    4      D     72
## 1542 1.636419e+19 2020-08-15      0      0   10      A     65
## 1543 1.637044e+19 2020-08-17      0      0    4      A     53
## 1544 1.637469e+19 2020-08-12      0      0   20      B      0
## 1545 1.637761e+19 2020-08-19      1    419   12      A     30
## 1546 1.638137e+19 2020-08-12      0      0    3      A     43
## 1547 1.638194e+18 2020-08-19      0      0    4      A      0
## 1548 1.638795e+19 2020-08-13      0      0    5      A      0
## 1549 1.638891e+19 2020-08-11      0      0    6      A      0
## 1550 1.639102e+19 2020-08-20      0      0    5      A     29
## 1551 1.639259e+19 2020-08-14      0      0   12      C      2
## 1552 1.639854e+19 2020-08-16      0      0    1      A    141
## 1553 1.640095e+19 2020-08-16      0      0    3      A     54
## 1554 1.640559e+19 2020-08-11      0      0    3      A     18
## 1555 1.641893e+19 2020-08-20      0      0    3      C      0
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## 1556 1.643669e+19 2020-08-17       0    0   33        A        0
## 1557 1.644820e+19 2020-08-20       0    0    1        G       69
## 1558 1.645346e+19 2020-08-12       0    0    5        C       53
## 1559 1.645430e+19 2020-08-13       0    0   17        B        2
## 1560 1.645972e+19 2020-08-16       0    0    2        C        0
## 1561 1.646484e+19 2020-08-11       0    0    3        B        0
## 1562 1.647102e+19 2020-08-15       0    0   42        B       50
## 1563 1.647105e+19 2020-08-12       0    0    8        F        0
## 1564 1.647389e+18 2020-08-14       0    0    2        A        0
## 1565 1.648130e+19 2020-08-20       0    0    1        A       26
## 1566 1.648348e+19 2020-08-14       0    0   21        A        0
## 1567 1.648369e+19 2020-08-18       0    0    8        A       37
## 1568 1.648648e+19 2020-08-16       0    0   12        A        0
## 1569 1.649819e+19 2020-08-12       0    0   18        B        3
## 1570 1.650575e+19 2020-08-16       0    0   13        C       55
## 1571 1.650690e+19 2020-08-19       0    0    1        A       51
## 1572 1.652028e+19 2020-08-16       0    0    3        A       30
## 1573 1.652273e+19 2020-08-14       0    0   17        F        0
## 1574 1.652555e+19 2020-08-11       1  599   47        C       42
## 1575 1.654323e+19 2020-08-20       0    0    3        A        0
## 1576 1.654952e+19 2020-08-19       0    0   15        B       62
## 1577 1.655350e+19 2020-08-20       0    0    8        A       35
## 1578 1.655431e+19 2020-08-18       0    0   50        F       47
## 1579 1.655993e+19 2020-08-12       0    0    1        D       59
## 1580 1.656561e+19 2020-08-16       0    0    4        A       30
## 1581 1.656805e+19 2020-08-14       0    0    7        A        0
## 1582 1.657429e+19 2020-08-18       0    0    3        E      128
## 1583 1.658182e+19 2020-08-20       0    0    1        A        0
## 1584 1.658735e+19 2020-08-19       0    0    4        A        0
## 1585 1.659340e+19 2020-08-14       0    0    2        A       65
## 1586 1.659649e+19 2020-08-18       0    0    3        C        9
## 1587 1.659930e+19 2020-08-18       0    0    2        C        9
## 1588 1.660231e+19 2020-08-18       0    0    5        A        9
## 1589 1.660727e+19 2020-08-19       0    0    1        A       36
## 1590 1.661418e+19 2020-08-14       0    0    2        A       15
## 1591 1.661476e+19 2020-08-16       0    0   10        A       62
## 1592 1.661502e+19 2020-08-19       0    0   17        A        0
## 1593 1.662696e+19 2020-08-19       0    0    4        D        0
## 1594 1.662800e+19 2020-08-14       0    0    7        B       57
## 1595 1.662881e+19 2020-08-14       0    0    2        D       51
## 1596 1.663644e+18 2020-08-19       0    0    2        A        0
## 1597 1.664446e+19 2020-08-11       0    0    2        A       62
## 1598 1.664977e+19 2020-08-14       0    0    2        B      141
## 1599 1.665202e+19 2020-08-12       0    0   11        A       89
## 1600 1.665244e+19 2020-08-17       0    0   17     <NA>        0
## 1601 1.665333e+19 2020-08-13       0    0    1        A        0
## 1602 1.665636e+19 2020-08-20       0    0    7        A       35
## 1603 1.665862e+19 2020-08-11       0    0    1        F       44
## 1604 1.666383e+19 2020-08-16       0    0    1     <NA>        0
## 1605 1.666812e+19 2020-08-19       0    0    3        A        0
## 1606 1.667138e+19 2020-08-18       0    0   16        A       52
## 1607 1.667336e+19 2020-08-17       0    0    3        A      141
## 1608 1.667548e+19 2020-08-18       0    0    8        A        0
## 1609 1.667659e+19 2020-08-11       0    0    3        E        0
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## 1610 1.667861e+19 2020-08-12     0     0     4     A    15
## 1611 1.668526e+19 2020-08-14     0     0     5     A     0
## 1612 1.669149e+19 2020-08-12     0     0    68     A     0
## 1613 1.669781e+19 2020-08-20     0     0     3     A     0
## 1614 1.670078e+19 2020-08-12     0     0     8     A     0
## 1615 1.670259e+19 2020-08-11     3  2217   153     C     0
## 1616 1.670451e+19 2020-08-11     0     0    30     A    92
## 1617 1.671670e+19 2020-08-10     0     0    10     A    45
## 1618 1.672439e+19 2020-08-15     0     0     2     D    65
## 1619 1.672465e+17 2020-08-10     0     0     1     A     0
## 1620 1.672972e+19 2020-08-15     0     0     2     B     0
## 1621 1.673521e+19 2020-08-17     0     0     1     E     0
## 1622 1.673758e+19 2020-08-15     0     0     2     G     0
## 1623 1.675124e+18 2020-08-20     0     0     5  <NA>    81
## 1624 1.675450e+19 2020-08-11     0     0     2     D     0
## 1625 1.676388e+19 2020-08-19     0     0     4     A     0
## 1626 1.676416e+19 2020-08-12     0     0    12     C    39
## 1627 1.676688e+19 2020-08-19     1  1149    28     A     0
## 1628 1.677468e+19 2020-08-15     0     0    25     C     0
## 1629 1.678531e+19 2020-08-19     0     0     1     A    36
## 1630 1.679721e+19 2020-08-16     0     0    14  <NA>     0
## 1631 1.679752e+19 2020-08-11     0     0    10     A     0
## 1632 1.680498e+19 2020-08-20     0     0    40     A    26
## 1633 1.680520e+19 2020-08-19     0     0    11     A     0
## 1634 1.680663e+19 2020-08-17     0     0     3     A    38
## 1635 1.681295e+19 2020-08-17     0     0    23     C     0
## 1636 1.681904e+19 2020-08-20     0     0     4     A     0
## 1637 1.682205e+18 2020-08-19     0     0     7     A     0
## 1638 1.682406e+19 2020-08-19     0     0     1     A    30
## 1639 1.683146e+19 2020-08-12     0     0     1  <NA>     0
## 1640 1.683508e+19 2020-08-19     0     0     4     A    51
## 1641 1.683530e+19 2020-08-14     0     0     4     D   157
## 1642 1.684081e+19 2020-08-19     0     0     2     E     0
## 1643 1.684298e+19 2020-08-10     0     0     1     C     0
## 1644 1.684729e+19 2020-08-14     0     0     2     A    87
## 1645 1.686156e+19 2020-08-10     0     0     1     A     0
## 1646 1.686357e+19 2020-08-14     0     0    28     B   223
## 1647 1.686402e+19 2020-08-20     0     0     4     B    81
## 1648 1.686481e+19 2020-08-19     0     0    14     C     0
## 1649 1.686587e+19 2020-08-14     0     0     1     A    41
## 1650 1.687220e+19 2020-08-20     0     0     6     A     0
## 1651 1.687326e+19 2020-08-15     0     0     4     D     0
## 1652 1.687836e+19 2020-08-18     0     0     3     A     0
## 1653 1.687942e+19 2020-08-12     0     0     4     D   159
## 1654 1.688494e+19 2020-08-11     0     0    25     F    40
## 1655 1.688865e+19 2020-08-18     0     0     4  <NA>    81
## 1656 1.689405e+19 2020-08-10     0     0    12     B     0
## 1657 1.689650e+19 2020-08-11     0     0     4     D     0
## 1658 1.690245e+19 2020-08-18     0     0     2     F    31
## 1659 1.690344e+19 2020-08-17     0     0    65     A    53
## 1660 1.690604e+19 2020-08-19     0     0     1     A    51
## 1661 1.691246e+19 2020-08-16     0     0    61     A    54
## 1662 1.691554e+19 2020-08-20     0     0     5     A     8
## 1663 1.692214e+19 2020-08-13     0     0     3     G    52
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## 1664 1.692526e+19 2020-08-11          0      0       7        A         0
## 1665 1.693342e+18 2020-08-16          0      0      30        A        12
## 1666 1.693610e+19 2020-08-18          0      0       3        A         0
## 1667 1.693628e+19 2020-08-12          0      0      48        A        43
## 1668 1.693815e+19 2020-08-13          0      0       1        E         0
## 1669 1.694439e+19 2020-08-18          0      0       1        B       141
## 1670 1.695853e+19 2020-08-17          0      0       1        A        11
## 1671 1.695901e+19 2020-08-20          0      0       2        C        45
## 1672 1.695935e+19 2020-08-19          0      0       1        G        70
## 1673 1.696841e+19 2020-08-20          0      0       3        G        45
## 1674 1.697080e+19 2020-08-13          0      0       9        C       208
## 1675 1.697915e+19 2020-08-19          0      0       2        A       141
## 1676 1.698180e+19 2020-08-11          0      0       2        A        44
## 1677 1.698493e+18 2020-08-15          0      0       1        A        31
## 1678 1.698783e+19 2020-08-14          0      0       1        A         0
## 1679 1.698791e+19 2020-08-14          0      0       4        A        62
## 1680 1.698902e+19 2020-08-16          0      0      10        A        30
## 1681 1.699739e+19 2020-08-13          0      0       6        C        81
## 1682 1.699742e+19 2020-08-10          0      0      27        A         0
## 1683 1.701793e+19 2020-08-20          0      0      16        A         0
## 1684 1.701827e+19 2020-08-20          0      0       1        A         8
## 1685 1.701926e+19 2020-08-20          0      0       1        B         0
## 1686 1.702531e+19 2020-08-20          0      0       1        A         0
## 1687 1.703513e+19 2020-08-17          0      0       3        A         0
## 1688 1.703617e+19 2020-08-19          0      0       1        A        51
## 1689 1.704371e+19 2020-08-18          0      0       2        A         0
## 1690 1.704372e+19 2020-08-12          0      0      26        C         0
## 1691 1.704673e+19 2020-08-10          0      0      10     <NA>         0
## 1692 1.704720e+19 2020-08-17          0      0      56        A        29
## 1693 1.705137e+19 2020-08-13          0      0       8        A        42
## 1694 1.707267e+19 2020-08-11          0      0      27        C         0
## 1695 1.708112e+19 2020-08-18          1   1269       5        G        33
## 1696 1.708126e+19 2020-08-17          0      0       9        A        62
## 1697 1.708173e+19 2020-08-14          0      0       2        A        13
## 1698 1.708262e+19 2020-08-15          0      0      11        A        40
## 1699 1.708508e+19 2020-08-17          0      0       1        D       141
## 1700 1.708654e+19 2020-08-13          0      0       1        A         0
## 1701 1.708758e+19 2020-08-19          0      0       9        G        46
## 1702 1.708894e+19 2020-08-11          0      0       4        C         0
## 1703 1.709348e+19 2020-08-20          0      0      12        G        69
## 1704 1.709932e+19 2020-08-20          0      0      31        A        50
## 1705 1.710818e+19 2020-08-13          0      0       2        D        87
## 1706 1.711783e+19 2020-08-10          0      0       2        A        45
## 1707 1.711840e+18 2020-08-16          0      0       2        D         0
## 1708 1.712892e+19 2020-08-13          0      0       1        A        16
## 1709 1.713684e+19 2020-08-15          0      0       4        A        65
## 1710 1.714708e+18 2020-08-17          0      0      22        A        38
## 1711 1.715343e+19 2020-08-14          0      0       1        D        86
## 1712 1.715723e+18 2020-08-11          0      0       2        A        18
## 1713 1.716085e+19 2020-08-11          0      0       8        G        54
## 1714 1.716984e+19 2020-08-13          0      0       6        G       208
## 1715 1.717016e+19 2020-08-18          0      0       3        D        33
## 1716 1.717772e+19 2020-08-10          0      0       1        A       141
## 1717 1.718602e+19 2020-08-13          0      0       6        A         0
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## 1718 1.719464e+19 2020-08-16        0      0      1      B        0
## 1719 1.719880e+19 2020-08-19        0      0      4      A       30
## 1720 1.719972e+19 2020-08-18        1    796      2      D        0
## 1721 1.720956e+19 2020-08-13        0      0      1      A       16
## 1722 1.721119e+19 2020-08-11        0      0     30      A        0
## 1723 1.721565e+19 2020-08-14        0      0     16      C       13
## 1724 1.722431e+18 2020-08-14        0      0     14      C       37
## 1725 1.724379e+19 2020-08-12        0      0      1      A      108
## 1726 1.724682e+19 2020-08-15        0      0     11      A       65
## 1727 1.724841e+19 2020-08-19        0      0      5      E        9
## 1728 1.725135e+19 2020-08-15        0      0      7      A       12
## 1729 1.725328e+19 2020-08-17        0      0      1      F       32
## 1730 1.725383e+19 2020-08-12        0      0      7      E        0
## 1731 1.725431e+19 2020-08-19        0      0      9      D       70
## 1732 1.725672e+19 2020-08-18        0      0      1      A       28
## 1733 1.725884e+19 2020-08-16        0      0      1      A       39
## 1734 1.726870e+19 2020-08-18        0      0      4      D        0
## 1735 1.727570e+19 2020-08-20        0      0      4      A       50
## 1736 1.728180e+19 2020-08-20        0      0     39      C        0
## 1737 1.728663e+19 2020-08-11        0      0      3      A        0
## 1738 1.728929e+19 2020-08-15        0      0      2      A       14
## 1739 1.729646e+18 2020-08-18        0      0      8      F       78
## 1740 1.729681e+19 2020-08-13        0      0      4   <NA>       14
## 1741 1.730425e+19 2020-08-19        0      0     59      A        0
## 1742 1.730696e+19 2020-08-16        0      0      2      A       39
## 1743 1.730794e+19 2020-08-15        0      0      6      G      108
## 1744 1.730946e+19 2020-08-10        0      0      2      D        0
## 1745 1.730952e+19 2020-08-12        0      0      5      C       53
## 1746 1.731135e+19 2020-08-19        0      0     14      F       46
## 1747 1.731181e+18 2020-08-18        0      0     65      A       52
## 1748 1.731574e+19 2020-08-17        0      0      8      C       81
## 1749 1.731879e+19 2020-08-10        0      0     16      B       41
## 1750 1.731993e+19 2020-08-15        0      0      3      A      131
## 1751 1.733195e+19 2020-08-19        0      0      6      B       81
## 1752 1.733653e+19 2020-08-15        0      0      2      A        0
## 1753 1.734331e+19 2020-08-16        0      0      1      A        0
## 1754 1.734802e+19 2020-08-20        0      0      5      A       26
## 1755 1.735589e+19 2020-08-11        0      0     66      A       90
## 1756 1.735841e+19 2020-08-10        1   1149     32      A        0
## 1757 1.736074e+19 2020-08-14        0      0     19      C       57
## 1758 1.736793e+19 2020-08-18        0      0      2      A       31
## 1759 1.736964e+19 2020-08-10        0      0     27      A       17
## 1760 1.738181e+19 2020-08-12        0      0      3      C        0
## 1761 1.738383e+19 2020-08-14        0      0      2      B       37
## 1762 1.738729e+19 2020-08-18        0      0      1      A        0
## 1763 1.739460e+19 2020-08-10        0      0      7      F        0
## 1764 1.739639e+19 2020-08-19        0      0      5      A       27
## 1765 1.741393e+19 2020-08-15        0      0     17      G      156
## 1766 1.742790e+19 2020-08-14        0      0      5      D       41
## 1767 1.743300e+19 2020-08-12        0      0     12      A       15
## 1768 1.743637e+19 2020-08-14        0      0      2      D        0
## 1769 1.743656e+19 2020-08-15        0      0      6      A        0
## 1770 1.743743e+19 2020-08-18        0      0     10      A        0
## 1771 1.744208e+19 2020-08-11        0      0      4      A        0
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## 1772 1.744248e+19 2020-08-16        0        0       23        A        54
## 1773 1.745681e+19 2020-08-18        0        0       13        C         0
## 1774 1.746410e+19 2020-08-15        0        0       12        C        50
## 1775 1.746815e+19 2020-08-16        0        0        5        G        84
## 1776 1.749294e+19 2020-08-19        0        0       10        A        70
## 1777 1.749354e+19 2020-08-10        0        0       14        A        43
## 1778 1.750197e+19 2020-08-14        0        0       28        A        14
## 1779 1.750368e+19 2020-08-15        0        0        1        A        50
## 1780 1.750462e+19 2020-08-11        0        0        5        A       135
## 1781 1.750601e+19 2020-08-18        0        0        6     <NA>        81
## 1782 1.750912e+19 2020-08-17        0        0        3        D         0
## 1783 1.750946e+18 2020-08-13        0        0        7     <NA>         2
## 1784 1.752572e+17 2020-08-12        0        0        8        C         0
## 1785 1.752899e+19 2020-08-17        0        0        4        A        32
## 1786 1.753161e+19 2020-08-20        0        0        1        A         0
## 1787 1.753443e+18 2020-08-15        0        0        3        A        12
## 1788 1.753651e+19 2020-08-17        0        0        5        D         0
## 1789 1.753708e+19 2020-08-13        0        0        1        A         0
## 1790 1.754323e+19 2020-08-13        0        0        4        A         0
## 1791 1.755425e+19 2020-08-16        0        0       37        B        35
## 1792 1.755736e+19 2020-08-15        0        0        3     <NA>        81
## 1793 1.755803e+19 2020-08-17        0        0       60        B        34
## 1794 1.755839e+19 2020-08-20        0        0        1        A        35
## 1795 1.756981e+19 2020-08-12        0        0        5        A         0
## 1796 1.758122e+19 2020-08-18        0        0        6        A         0
## 1797 1.758223e+18 2020-08-20        0        0       10        C        81
## 1798 1.758723e+19 2020-08-16        0        0        5        G        35
## 1799 1.759129e+18 2020-08-19        0        0        6        A       127
## 1800 1.759520e+18 2020-08-17        0        0        5        C         0
## 1801 1.760415e+19 2020-08-11        0        0        6        D        40
## 1802 1.761692e+19 2020-08-13        0        0       11        C         0
## 1803 1.761742e+19 2020-08-10        0        0        1        A         0
## 1804 1.762288e+19 2020-08-10        0        0        1        A        19
## 1805 1.763064e+19 2020-08-20        0        0       14        C         0
## 1806 1.763451e+19 2020-08-19        0        0        1        A         8
## 1807 1.763611e+19 2020-08-16        0        0        1        A        49
## 1808 1.764015e+19 2020-08-17        0        0        2        C         0
## 1809 1.764591e+19 2020-08-20        0        0        1        A         0
## 1810 1.765670e+19 2020-08-13        0        0        2        G        52
## 1811 1.766378e+19 2020-08-10        0        0       16        A       141
## 1812 1.766624e+19 2020-08-13        0        0       13        A         0
## 1813 1.768223e+19 2020-08-16        0        0       30        C        81
## 1814 1.768657e+19 2020-08-20        0        0       26        B        62
## 1815 1.768921e+19 2020-08-11        0        0       12        A        16
## 1816 1.769024e+19 2020-08-10        0        0        1        A        17
## 1817 1.769896e+19 2020-08-10        0        0        3        A        18
## 1818 1.769932e+19 2020-08-12        0        0        4        B         0
## 1819 1.770017e+19 2020-08-20        0        0        1        A         7
## 1820 1.770187e+19 2020-08-11        0        0        4        F         0
## 1821 1.770314e+19 2020-08-11        0        0        5        A         0
## 1822 1.770802e+19 2020-08-20        0        0        6        C         0
## 1823 1.771724e+18 2020-08-20        0        0        2        A         0
## 1824 1.772106e+19 2020-08-17        0        0        1        A        29
## 1825 1.772221e+19 2020-08-16        0        0       28        F        35
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## 1826 1.772664e+19 2020-08-13        0        0     1        A         0
## 1827 1.772875e+19 2020-08-18        0        0     7        A        37
## 1828 1.773625e+19 2020-08-11        0        0     3        A       109
## 1829 1.773884e+19 2020-08-13        0        0     2        A         0
## 1830 1.774887e+18 2020-08-15        0        0     3        A       105
## 1831 1.775795e+19 2020-08-19        0        0    12        A        51
## 1832 1.777010e+19 2020-08-16        0        0     3        E         0
## 1833 1.777518e+19 2020-08-15        0        0     5        A         0
## 1834 1.777750e+18 2020-08-13        0        0    35        A         0
## 1835 1.778964e+19 2020-08-18        0        0     1        G       223
## 1836 1.779287e+19 2020-08-17        0        0     7        A        29
## 1837 1.779969e+19 2020-08-16        0        0    13        A         0
## 1838 1.779986e+19 2020-08-17        0        0     2        A         0
## 1839 1.780107e+19 2020-08-12        0        0     3        G        53
## 1840 1.780213e+19 2020-08-17        0        0     3        A         0
## 1841 1.783061e+19 2020-08-15        0        0     4        A        14
## 1842 1.783219e+19 2020-08-13        1     2029     2        A        42
## 1843 1.783425e+19 2020-08-16        0        0     3        A        54
## 1844 1.785300e+19 2020-08-19        1     1929    14        A        27
## 1845 1.785371e+19 2020-08-15        0        0     3        A        12
## 1846 1.785830e+19 2020-08-17        0        0    53        A         0
## 1847 1.787131e+19 2020-08-10        0        0    15        A       136
## 1848 1.787639e+18 2020-08-18        0        0     7        A        71
## 1849 1.787639e+19 2020-08-16        0        0    17        F         0
## 1850 1.788311e+19 2020-08-12        0        0     1     <NA>        15
## 1851 1.788726e+19 2020-08-11        0        0     5        G        81
## 1852 1.789172e+19 2020-08-20        0        0    48        A        50
## 1853 1.789198e+19 2020-08-14        0        0     6        A        62
## 1854 1.789500e+19 2020-08-18        0        0     2        A        52
## 1855 1.790746e+19 2020-08-18        0        0    16        B       223
## 1856 1.791466e+19 2020-08-15        0        0     2        A         0
## 1857 1.791653e+19 2020-08-19        0        0     3        A       141
## 1858 1.791929e+19 2020-08-10        0        0     9        A        17
## 1859 1.792347e+19 2020-08-12        0        0     1        A        89
## 1860 1.793111e+19 2020-08-15        0        0     1        A         0
## 1861 1.793530e+18 2020-08-20        0        0     1        A        35
## 1862 1.793594e+19 2020-08-20        0        0    27        A         0
## 1863 1.794280e+19 2020-08-20        0        0     2        A        50
## 1864 1.794619e+19 2020-08-19        0        0    12        D       152
## 1865 1.794856e+18 2020-08-15        0        0    12        F         0
## 1866 1.795148e+18 2020-08-13        0        0    43        C       208
## 1867 1.795234e+19 2020-08-11        0        0     4        A         0
## 1868 1.795946e+19 2020-08-18        0        0    61        A        28
## 1869 1.796195e+18 2020-08-10        0        0     7        C        43
## 1870 1.796780e+18 2020-08-11        1      669    39        C         4
## 1871 1.797042e+18 2020-08-15        0        0     1        A         0
## 1872 1.797588e+19 2020-08-18        0        0     6        A         0
## 1873 1.797935e+19 2020-08-13        0        0    33        A         0
## 1874 1.798459e+19 2020-08-20        0        0     1        A        50
## 1875 1.799005e+19 2020-08-20        0        0     4        A        29
## 1876 1.799320e+19 2020-08-12        0        0     1        D         0
## 1877 1.799459e+19 2020-08-11        0        0    37        A         0
## 1878 1.799959e+19 2020-08-10        0        0     4        A         0
## 1879 1.801048e+18 2020-08-15        0        0     8        B        50
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## 1880 1.801190e+19 2020-08-20       0      0      2      D       69
## 1881 1.802045e+19 2020-08-15       0      0      5      A       65
## 1882 1.802143e+18 2020-08-15       0      0      3      A        0
## 1883 1.802161e+19 2020-08-12       0      0      5      A        0
## 1884 1.804087e+19 2020-08-16       0      0      1      A      103
## 1885 1.804861e+19 2020-08-15       0      0      8      A       40
## 1886 1.805154e+19 2020-08-19       0      0      7      A      127
## 1887 1.805566e+19 2020-08-14       0      0      4      G      157
## 1888 1.805665e+19 2020-08-15       0      0      2      E        0
## 1889 1.805897e+18 2020-08-18       0      0      5      C        0
## 1890 1.806104e+19 2020-08-13       0      0     13      C        2
## 1891 1.806123e+19 2020-08-15       0      0     17      A        0
## 1892 1.806593e+19 2020-08-14       0      0      7      A        0
## 1893 1.808230e+19 2020-08-10       0      0      1      A       91
## 1894 1.808456e+19 2020-08-16       0      0     12      C       35
## 1895 1.809749e+17 2020-08-10       0      0     10      D        0
## 1896 1.809908e+19 2020-08-10       0      0     15      B       41
## 1897 1.810372e+19 2020-08-11       0      0      2      G      223
## 1898 1.810749e+19 2020-08-12       0      0     11   <NA>        3
## 1899 1.811348e+19 2020-08-20       0      0      4      A        0
## 1900 1.811353e+19 2020-08-13       0      0      7      A        0
## 1901 1.811509e+19 2020-08-12       0      0     11      B       39
## 1902 1.811612e+19 2020-08-17       0      0      4      A       38
## 1903 1.811748e+19 2020-08-20       0      0      2      A        0
## 1904 1.811791e+19 2020-08-11       0      0      7      A       18
## 1905 1.811831e+19 2020-08-14       0      0      5      A        0
## 1906 1.811892e+19 2020-08-12       0      0      1      D        0
## 1907 1.811941e+19 2020-08-19       0      0      8      B        0
## 1908 1.813584e+19 2020-08-12       0      0     19      A        0
## 1909 1.814758e+19 2020-08-18       0      0     22      A       52
## 1910 1.814847e+19 2020-08-17       0      0      2      A       38
## 1911 1.815054e+19 2020-08-16       0      0      1      A       12
## 1912 1.815606e+18 2020-08-14       0      0      3      A       65
## 1913 1.815662e+19 2020-08-15       0      0      2      A        0
## 1914 1.815950e+19 2020-08-11       0      0     11      A        0
## 1915 1.816713e+19 2020-08-17       0      0     22      A       29
## 1916 1.816940e+19 2020-08-17       0      0     20      B       34
## 1917 1.817720e+19 2020-08-12       0      0      3      A      134
## 1918 1.818185e+19 2020-08-17       0      0      2      A       72
## 1919 1.818824e+19 2020-08-17       0      0     15      A        0
## 1920 1.818867e+19 2020-08-14       0      0      3      A       41
## 1921 1.819199e+19 2020-08-13       0      0      1      A       42
## 1922 1.821195e+19 2020-08-20       0      0     28      B       62
## 1923 1.822136e+19 2020-08-15       0      0      2      B       56
## 1924 1.822226e+19 2020-08-19       0      0      1      A        0
## 1925 1.822729e+19 2020-08-11       0      0      1      A       16
## 1926 1.824518e+19 2020-08-14       0      0      4      E        0
## 1927 1.825016e+19 2020-08-12       0      0      9      B        0
## 1928 1.826257e+19 2020-08-10       0      0     75      A       91
## 1929 1.826680e+19 2020-08-18       0      0      1      D       82
## 1930 1.826895e+19 2020-08-12       0      0     12      D       39
## 1931 1.827078e+19 2020-08-13       0      0      2      D       65
## 1932 1.827252e+19 2020-08-12       0      0      1      A       43
## 1933 1.827468e+19 2020-08-12       0      0      1      A       91
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## 1934 1.827991e+18 2020-08-16          0      0      7      C      49
## 1935 1.828869e+19 2020-08-11          0      0      2      D      65
## 1936 1.829435e+19 2020-08-12          0      0      7      C      59
## 1937 1.829669e+19 2020-08-15          0      0      1      A      12
## 1938 1.830127e+19 2020-08-11          0      0     25      G      54
## 1939 1.830270e+19 2020-08-14          0      0      9      A       0
## 1940 1.830276e+19 2020-08-16          0      0      2      A      33
## 1941 1.830281e+19 2020-08-14          0      0      5      A      14
## 1942 1.831398e+19 2020-08-13          0      0     12      A       0
## 1943 1.831851e+19 2020-08-17          0      0      2      A       0
## 1944 1.832349e+19 2020-08-10          0      0      2      A      91
## 1945 1.832397e+19 2020-08-10          0      0      8      A     110
## 1946 1.832918e+19 2020-08-17          0      0     10      A       0
## 1947 1.832946e+19 2020-08-15          0      0      5      A       0
## 1948 1.833229e+19 2020-08-13          0      0      1      B     141
## 1949 1.834199e+18 2020-08-15          0      0      4      A      62
## 1950 1.835426e+19 2020-08-19          0      0     11      C      70
## 1951 1.835750e+19 2020-08-19          0      0      5      C      70
## 1952 1.836754e+19 2020-08-17          1   1799      8      A      10
## 1953 1.836966e+19 2020-08-17          0      0      6      C     208
## 1954 1.836996e+18 2020-08-17          0      0      1      A      53
## 1955 1.837043e+19 2020-08-12          0      0      2      A       0
## 1956 1.837085e+19 2020-08-18          0      0      3      D       0
## 1957 1.837427e+19 2020-08-15          0      0      5      A      65
## 1958 1.837680e+19 2020-08-16          0      0     16      B      35
## 1959 1.838167e+19 2020-08-20          0      0     15      D      29
## 1960 1.838368e+19 2020-08-10          0      0      1      A       0
## 1961 1.839675e+19 2020-08-16          0      0      7      A       0
## 1962 1.840319e+19 2020-08-12          0      0      5      A     108
## 1963 1.840398e+19 2020-08-16          0      0      3      B       0
## 1964 1.840933e+19 2020-08-15          0      0      2      G      36
## 1965 1.841035e+19 2020-08-12          0      0      4      C     208
## 1966 1.841957e+19 2020-08-20          0      0     32      C      26
## 1967 1.842094e+19 2020-08-19          0      0      2      A       0
## 1968 1.842144e+19 2020-08-10          0      0      2      B      79
## 1969 1.843930e+19 2020-08-12          0      0      1      D      81
## 1970 1.844110e+19 2020-08-17          1   1339     12      G      72
## 1971 1.846093e+18 2020-08-17          0      0     54      A       0
## 1972 1.856906e+18 2020-08-13          0      0     10      A      16
## 1973 1.857100e+18 2020-08-11          0      0      5      B      40
## 1974 1.857462e+18 2020-08-11          0      0      5      B     208
## 1975 1.862611e+18 2020-08-10          0      0     13      D     100
## 1976 1.864081e+18 2020-08-12          0      0      1      A       0
## 1977 1.865410e+18 2020-08-15          0      0      2      A       0
## 1978 1.875881e+18 2020-08-20          0      0      3      A      26
## 1979 1.883947e+18 2020-08-10          0      0      2      A       0
## 1980 1.891443e+18 2020-08-16          0      0     10      A       0
## 1981 1.894905e+18 2020-08-16          0      0      1      A       0
## 1982 1.895888e+17 2020-08-11          0      0      3      A       0
## 1983 1.897011e+18 2020-08-18          0      0     36      A       0
## 1984 1.898465e+18 2020-08-14          0      0      1      A     132
## 1985 1.898746e+18 2020-08-13          0      0      1      A       0
## 1986 1.901681e+18 2020-08-14          0      0      1      F      15
## 1987 1.907724e+17 2020-08-16          0      0      6      A      54
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## 1988 1.915457e+18 2020-08-16      0      0      3      C      0
## 1989 1.930714e+18 2020-08-18      0      0      7      D     65
## 1990 1.931236e+18 2020-08-13      0      0     24      A      0
## 1991 1.932755e+18 2020-08-13      0      0      3      B    208
## 1992 1.941531e+18 2020-08-20      0      0      2      B     69
## 1993 1.944990e+18 2020-08-17      0      0     48      F     34
## 1994 1.961767e+18 2020-08-12      0      0      2      A     91
## 1995 1.962205e+17 2020-08-20      0      0     10      D      0
## 1996 1.969823e+18 2020-08-11      0      0      2      C      0
## 1997 1.973436e+18 2020-08-16      0      0     23      C     35
## 1998 1.983784e+18 2020-08-14      0      0      8      A      0
## 1999 1.986991e+18 2020-08-11      0      0      8      C      0
## 2000 1.988789e+17 2020-08-19      0      0      1      A      0
## 2001 1.990561e+18 2020-08-14      0      0      4      A     41
## 2002 1.991598e+18 2020-08-18      1    989     48      A      0
## 2003 1.999106e+18 2020-08-18      0      0      2      D      0
## 2004 2.398917e+18 2020-08-13      0      0      7      B     38
## 2005 2.454450e+18 2020-08-14      0      0      3      A      0
## 2006 2.964428e+18 2020-08-16      0      0     22      A     39
## 2007 2.003800e+18 2020-08-18      0      0     14      C     33
## 2008 2.006410e+18 2020-08-18      0      0      2      A      0
## 2009 2.006415e+18 2020-08-16      0      0      1      A     33
## 2010 2.009111e+18 2020-08-19      0      0      4      A     27
## 2011 2.019067e+18 2020-08-20      0      0      5      B     69
## 2012 2.028069e+18 2020-08-14      0      0      3      A     62
## 2013 2.028259e+18 2020-08-17      0      0      4      A      0
## 2014 2.033801e+18 2020-08-20      0      0      4      C     31
## 2015 2.034863e+16 2020-08-17      0      0      3      C     72
## 2016 2.036459e+18 2020-08-12      0      0      1      A     15
## 2017 2.037812e+18 2020-08-20      0      0      1      A     50
## 2018 2.039611e+18 2020-08-11      1    599     34      B     40
## 2019 2.043822e+18 2020-08-13      0      0      7      D     81
## 2020 2.046883e+18 2020-08-18      0      0     31      A      0
## 2021 2.048152e+18 2020-08-12      0      0      2      A      0
## 2022 2.048351e+18 2020-08-12      0      0     81      A      0
## 2023 2.051039e+18 2020-08-16      0      0     11      B     35
## 2024 2.052889e+18 2020-08-17      0      0      5      A      0
## 2025 2.053234e+18 2020-08-15      1    859      1      A      0
## 2026 2.070095e+18 2020-08-12      0      0     10      B      0
## 2027 2.074640e+18 2020-08-15      0      0     10      A      0
## 2028 2.074781e+18 2020-08-20      0      0      8      F      0
## 2029 2.079815e+18 2020-08-19      0      0     21      C     60
## 2030 2.085788e+18 2020-08-13      0      0      3      A     16
## 2031 2.091476e+18 2020-08-20      0      0      2      G     69
## 2032 2.102400e+18 2020-08-19      0      0      1      A      0
## 2033 2.108923e+18 2020-08-19      0      0     13      A      0
## 2034 2.111130e+18 2020-08-17      0      0      3      A     38
## 2035 2.114245e+18 2020-08-19      0      0      1      D      0
## 2036 2.122742e+18 2020-08-10      0      0     74      C    208
## 2037 2.123806e+18 2020-08-19      0      0     14      F    100
## 2038 2.126630e+18 2020-08-19      0      0      3   <NA>     81
## 2039 2.132416e+18 2020-08-10      0      0     16      A      0
## 2040 2.134316e+18 2020-08-20      0      0     10      A      0
## 2041 2.138232e+18 2020-08-10      0      0      8      E      0
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## 2042 2.140862e+18 2020-08-10        0    0   45    B     5
## 2043 2.143504e+18 2020-08-14        0    0    1    A    14
## 2044 2.143913e+18 2020-08-19        0    0    6    A     0
## 2045 2.146142e+18 2020-08-14        0    0   12    B     0
## 2046 2.150489e+18 2020-08-14        0    0    6    C     0
## 2047 2.156482e+18 2020-08-20        0    0   12    B    69
## 2048 2.157128e+18 2020-08-12        0    0    7    B     0
## 2049 2.166374e+18 2020-08-12        0    0    1    A     0
## 2050 2.170140e+18 2020-08-20        0    0    8    C    65
## 2051 2.173444e+18 2020-08-18        0    0    1    A     0
## 2052 2.173940e+18 2020-08-19        0    0    1    A    27
## 2053 2.174828e+18 2020-08-15        0    0   15    A     0
## 2054 2.178358e+18 2020-08-17        0    0    3    D     0
## 2055 2.184180e+18 2020-08-12        0    0    4    A    17
## 2056 2.187520e+17 2020-08-17        0    0   21    A     0
## 2057 2.189397e+18 2020-08-15        0    0   41    F    36
## 2058 2.193749e+18 2020-08-19        0    0    2    A     8
## 2059 2.193932e+18 2020-08-10        0    0    1    A    19
## 2060 2.200675e+18 2020-08-16        0    0    2    A    12
## 2061 2.201212e+18 2020-08-18        0    0    7    C    81
## 2062 2.208535e+18 2020-08-15        0    0    1    A    12
## 2063 2.209015e+18 2020-08-12        0    0    3    B     0
## 2064 2.212596e+18 2020-08-18        0    0    1    F   101
## 2065 2.216293e+18 2020-08-18        0    0    2    A     9
## 2066 2.222579e+18 2020-08-20        0    0   29    C     0
## 2067 2.223101e+18 2020-08-12        0    0   11    B    39
## 2068 2.224946e+18 2020-08-14        0    0    3    A    41
## 2069 2.233269e+18 2020-08-19        0    0    6    C     0
## 2070 2.238339e+18 2020-08-15        0    0    5    A    12
## 2071 2.241557e+18 2020-08-11        0    0    2    A     0
## 2072 2.249247e+18 2020-08-17        0    0   11    A    53
## 2073 2.253144e+18 2020-08-12        0    0    4    D   111
## 2074 2.255237e+18 2020-08-16        0    0   10    F    80
## 2075 2.256794e+18 2020-08-16        0    0    4    C    81
## 2076 2.262609e+18 2020-08-15        0    0    2    A    12
## 2077 2.267692e+18 2020-08-12        0    0   14    C    15
## 2078 2.275923e+18 2020-08-20        0    0   18    B     0
## 2079 2.279159e+18 2020-08-19        0    0    1    D     0
## 2080 2.289412e+18 2020-08-16        0    0    2    A    54
## 2081 2.291426e+18 2020-08-17        0    0    4    C    81
## 2082 2.298960e+18 2020-08-10        1  699   18    C    41
## 2083 2.304813e+18 2020-08-14        0    0    3    A    66
## 2084 2.305310e+18 2020-08-10        0    0    1    B    41
## 2085 2.305377e+18 2020-08-10        0    0    1    F     0
## 2086 2.306716e+18 2020-08-15        0    0   10 <NA>    0
## 2087 2.308830e+18 2020-08-20        0    0   14 <NA>    0
## 2088 2.313473e+17 2020-08-17        0    0    2    G    48
## 2089 2.321298e+18 2020-08-10        0    0   51    A     0
## 2090 2.327592e+18 2020-08-18        0    0    2    A     0
## 2091 2.330795e+18 2020-08-12        0    0    1    A    89
## 2092 2.331347e+18 2020-08-11        0    0    4    B    40
## 2093 2.332570e+18 2020-08-14        0    0    6    A   141
## 2094 2.337590e+18 2020-08-16        0    0    6    A   141
## 2095 2.345731e+18 2020-08-15        0    0    5    G    50
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## 2096 2.349286e+18 2020-08-18        0     0     3     A       0
## 2097 2.358025e+18 2020-08-11        0     0    46   <NA>     98
## 2098 2.359477e+18 2020-08-11        0     0     3     A      44
## 2099 2.365000e+17 2020-08-14        0     0    10     A       0
## 2100 2.367699e+17 2020-08-11        0     0     1     G      65
## 2101 2.369959e+18 2020-08-17        0     0     1     A      10
## 2102 2.374716e+18 2020-08-13        0     0     1     G      52
## 2103 2.376416e+18 2020-08-16        0     0     1     A      54
## 2104 2.377849e+18 2020-08-11        0     0    29     C      81
## 2105 2.380145e+18 2020-08-16        0     0     2     A       0
## 2106 2.382309e+18 2020-08-17        0     0     2     A       0
## 2107 2.386710e+17 2020-08-15        0     0     5     D      94
## 2108 2.388523e+18 2020-08-10        0     0     2     G       5
## 2109 2.389623e+18 2020-08-11        0     0     9     D     160
## 2110 2.394638e+18 2020-08-17        0     0     4     D       0
## 2111 2.395953e+17 2020-08-15        0     0     4     D      36
## 2112 2.403015e+18 2020-08-18        0     0     8     C       0
## 2113 2.406545e+18 2020-08-14        0     0     4     E       0
## 2114 2.409532e+18 2020-08-14        0     0     1     D      51
## 2115 2.417870e+18 2020-08-15        0     0     2     A       0
## 2116 2.421006e+18 2020-08-12        0     0     1     A      43
## 2117 2.421307e+18 2020-08-20        0     0     5     A      50
## 2118 2.427364e+18 2020-08-16        0     0     1     A       0
## 2119 2.431152e+18 2020-08-10        0     0     1     A       0
## 2120 2.433443e+18 2020-08-17        1   619     4     A       0
## 2121 2.437716e+18 2020-08-20        0     0     3     A      35
## 2122 2.438243e+18 2020-08-17        0     0     2     B       0
## 2123 2.439720e+18 2020-08-12        0     0    10     B      59
## 2124 2.439805e+18 2020-08-14        0     0     7     A       0
## 2125 2.446384e+18 2020-08-13        0     0     7     A       0
## 2126 2.452047e+17 2020-08-17        0     0     1     A      53
## 2127 2.453173e+18 2020-08-13        0     0    12     B      58
## 2128 2.455885e+18 2020-08-17        0     0     1     A      38
## 2129 2.470188e+18 2020-08-15        0     0     2     G      50
## 2130 2.470674e+18 2020-08-18        0     0     6     A     128
## 2131 2.472256e+18 2020-08-13        0     0     2     D      58
## 2132 2.480578e+18 2020-08-16        0     0     4     A       0
## 2133 2.486375e+18 2020-08-17        0     0    17     A       0
## 2134 2.487006e+18 2020-08-12        0     0     3     E       0
## 2135 2.488968e+18 2020-08-13        0     0     1     A      62
## 2136 2.490375e+18 2020-08-20        0     0     2     A       0
## 2137 2.495180e+18 2020-08-15        0     0     8     G      85
## 2138 2.499385e+18 2020-08-16        0     0     1     B       0
## 2139 2.499744e+18 2020-08-14        0     0    43     A       0
## 2140 2.514533e+18 2020-08-13        0     0     1     A       0
## 2141 2.517482e+18 2020-08-10        0     0    37     A      17
## 2142 2.518413e+18 2020-08-10        0     0     4     G      55
## 2143 2.520884e+18 2020-08-19        0     0    15     B      32
## 2144 2.524384e+18 2020-08-15        0     0     5     D       0
## 2145 2.545327e+18 2020-08-11        0     0     4     D      40
## 2146 2.548366e+18 2020-08-12        0     0     3     A       0
## 2147 2.550596e+18 2020-08-16        0     0    15     A       0
## 2148 2.551359e+17 2020-08-12        0     0     8     A      43
## 2149 2.556528e+18 2020-08-19        0     0     2     A       0
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## 2150 2.562349e+18 2020-08-20     0     0     1     A       0
## 2151 2.562960e+18 2020-08-15     0     0     1     D       0
## 2152 2.564537e+18 2020-08-10     0     0     1     A      17
## 2153 2.565215e+18 2020-08-10     0     0     1     A      45
## 2154 2.566170e+18 2020-08-17     0     0    17     D       0
## 2155 2.575791e+18 2020-08-11     0     0    11     C      40
## 2156 2.576736e+18 2020-08-13     0     0     2     A       0
## 2157 2.580411e+18 2020-08-14     0     0     9     A      13
## 2158 2.583567e+18 2020-08-12     0     0     9     C      62
## 2159 2.602529e+18 2020-08-12     0     0     1     A      89
## 2160 2.604693e+18 2020-08-15     0     0    16     C       0
## 2161 2.608836e+18 2020-08-10     0     0     4     A     141
## 2162 2.621333e+18 2020-08-20     0     0     3     B       0
## 2163 2.623898e+17 2020-08-12     0     0    49     B      53
## 2164 2.627462e+18 2020-08-17     0     0     3  <NA>      81
## 2165 2.629588e+18 2020-08-20     0     0     2     A      35
## 2166 2.631509e+18 2020-08-19     0     0     2     B       0
## 2167 2.638231e+18 2020-08-12     0     0     4     G      53
## 2168 2.640095e+18 2020-08-17     0     0    32     A      53
## 2169 2.644891e+18 2020-08-17     0     0     2     A      11
## 2170 2.647693e+18 2020-08-16     0     0     1     A       0
## 2171 2.652366e+18 2020-08-15     0     0    42     C       0
## 2172 2.654699e+18 2020-08-16     0     0     5     A      12
## 2173 2.657552e+18 2020-08-14     0     0    13     A      65
## 2174 2.661521e+18 2020-08-10     0     0     5     B       0
## 2175 2.670502e+18 2020-08-10     0     0    33     F      41
## 2176 2.671764e+18 2020-08-13     0     0    19     B       0
## 2177 2.672345e+18 2020-08-18     1   799    23     B      33
## 2178 2.676948e+18 2020-08-10     0     0    15     C      19
## 2179 2.678913e+18 2020-08-15     0     0    12     B       0
## 2180 2.680526e+17 2020-08-19     0     0     1     A      51
## 2181 2.683292e+18 2020-08-17     0     0     7     A      32
## 2182 2.696040e+18 2020-08-11     0     0     4     D      40
## 2183 2.697182e+18 2020-08-20     0     0     1     A      50
## 2184 2.697905e+18 2020-08-16     0     0    39     C       0
## 2185 2.698485e+17 2020-08-16     0     0     4     A      11
## 2186 2.704276e+18 2020-08-13     0     0    35     B      38
## 2187 2.705655e+18 2020-08-14     0     0     2     A      57
## 2188 2.706789e+18 2020-08-19     0     0     8     F      30
## 2189 2.709288e+18 2020-08-13     0     0     2     A      14
## 2190 2.715670e+18 2020-08-19     1   299    10     A       0
## 2191 2.720867e+18 2020-08-12     0     0     5     C      39
## 2192 2.722081e+18 2020-08-15     0     0    24     D      36
## 2193 2.726315e+18 2020-08-17     0     0     5     C      72
## 2194 2.728851e+18 2020-08-20     0     0     7     A       0
## 2195 2.732134e+18 2020-08-19     0     0     2     B      32
## 2196 2.734122e+18 2020-08-18     0     0     3     A     128
## 2197 2.736786e+18 2020-08-18     0     0    91     A       0
## 2198 2.743798e+18 2020-08-19     0     0     2     A      36
## 2199 2.746354e+18 2020-08-17     0     0     1     A      32
## 2200 2.760650e+18 2020-08-18     1   249     8     D      71
## 2201 2.760667e+18 2020-08-13     0     0     1     A      15
## 2202 2.764093e+18 2020-08-10     0     0     1     A       0
## 2203 2.764527e+18 2020-08-11     0     0     1     E     135
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## 2204 2.764546e+18 2020-08-19          0      0     31     A       8
## 2205 2.770336e+17 2020-08-11          1   1194     16     D      99
## 2206 2.784667e+17 2020-08-10          0      0      5     A       0
## 2207 2.791574e+18 2020-08-14          0      0      3     C      13
## 2208 2.792204e+17 2020-08-16          0      0      3     A      54
## 2209 2.792302e+18 2020-08-13          0      0      4     A       0
## 2210 2.792964e+18 2020-08-20          0      0      7     A       0
## 2211 2.797125e+18 2020-08-15          0      0      9     D       0
## 2212 2.798831e+18 2020-08-15          0      0      4     A       0
## 2213 2.803742e+18 2020-08-15          0      0     17     B       0
## 2214 2.806503e+18 2020-08-18          0      0      1     B      81
## 2215 2.807356e+18 2020-08-10          0      0     20     A      17
## 2216 2.810712e+18 2020-08-12          0      0      4     A      15
## 2217 2.823819e+18 2020-08-13          0      0      3     G     158
## 2218 2.827017e+18 2020-08-14          0      0      5     B      51
## 2219 2.827186e+18 2020-08-12          0      0      4     A       0
## 2220 2.831684e+18 2020-08-12          0      0     21     C       0
## 2221 2.835813e+18 2020-08-10          0      0      1     A      17
## 2222 2.836247e+18 2020-08-19          0      0      3     D       9
## 2223 2.843763e+18 2020-08-14          0      0      3     B      37
## 2224 2.855130e+18 2020-08-13          0      0      2     B       0
## 2225 2.857284e+18 2020-08-16          0      0     17     A       0
## 2226 2.866556e+18 2020-08-18          0      0      1     A      37
## 2227 2.871475e+16 2020-08-15          0      0      1     A      56
## 2228 2.871780e+18 2020-08-18          0      0      1     A       0
## 2229 2.877201e+18 2020-08-10          0      0     16     A       0
## 2230 2.885123e+18 2020-08-17          0      0      5     A      32
## 2231 2.885416e+18 2020-08-14          0      0      1     A      62
## 2232 2.894036e+17 2020-08-11          0      0      4     G     160
## 2233 2.898384e+18 2020-08-11          0      0     16     A      44
## 2234 2.901660e+18 2020-08-15          0      0      7     A      13
## 2235 2.901758e+18 2020-08-20          0      0     21     G      45
## 2236 2.902481e+18 2020-08-14          0      0      1     A     106
## 2237 2.905715e+18 2020-08-16          0      0     24     A       0
## 2238 2.920627e+18 2020-08-20          0      0     10     A      50
## 2239 2.923279e+18 2020-08-12          0      0      7     A      68
## 2240 2.926980e+18 2020-08-14          0      0     10     C      37
## 2241 2.931740e+18 2020-08-12          0      0     46     C     208
## 2242 2.932467e+18 2020-08-13          0      0      1     A      15
## 2243 2.934784e+17 2020-08-19          0      0      9     G     152
## 2244 2.935750e+18 2020-08-14          0      0      5     A       0
## 2245 2.940008e+18 2020-08-12          0      0      9     C      59
## 2246 2.940411e+18 2020-08-15          0      0     24     C      56
## 2247 2.941314e+18 2020-08-19          0      0     26     B       0
## 2248 2.943406e+18 2020-08-10          0      0     27     C       0
## 2249 2.952255e+18 2020-08-16          0      0      3     B     208
## 2250 2.954995e+18 2020-08-15          0      0     64     A      65
## 2251 2.977930e+18 2020-08-16          0      0      4     A       0
## 2252 2.982460e+18 2020-08-19          0      0      2     B       0
## 2253 2.987502e+18 2020-08-15          0      0     23     A      40
## 2254 2.991404e+18 2020-08-18          0      0     13     D      33
## 2255 2.993515e+18 2020-08-18          0      0      4     A     141
## 2256 2.996316e+18 2020-08-14          0      0      2     A      65
## 2257 2.997991e+18 2020-08-17          0      0      1     A       0
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## 2258 2.999000e+18 2020-08-19      0      0      6      D      0
## 2259 3.157150e+18 2020-08-13      0      0      1      A     42
## 2260 3.772441e+18 2020-08-14      0      0     23      B      0
## 2261 3.797895e+18 2020-08-13      0      0      1      G     38
## 2262 3.891453e+18 2020-08-10      0      0      1      A     17
## 2263 3.009622e+18 2020-08-20      0      0      1      A      0
## 2264 3.011294e+18 2020-08-16      0      0      5      D      0
## 2265 3.018608e+18 2020-08-16      0      0      2      D      0
## 2266 3.020398e+18 2020-08-19      0      0     32      B    223
## 2267 3.021192e+18 2020-08-12      0      0      4      A      0
## 2268 3.026882e+18 2020-08-10      0      0      4      A      0
## 2269 3.035495e+18 2020-08-13      0      0      7      C     58
## 2270 3.037722e+18 2020-08-17      0      0     14      F      0
## 2271 3.042757e+18 2020-08-12      0      0     22      A     43
## 2272 3.064298e+18 2020-08-14      0      0      1      E     94
## 2273 3.071135e+18 2020-08-18      1    899     35      F     33
## 2274 3.073777e+18 2020-08-16      0      0     12      F      0
## 2275 3.074636e+18 2020-08-15      0      0     34      G     50
## 2276 3.077942e+18 2020-08-19      0      0      1      A      0
## 2277 3.079318e+18 2020-08-18      0      0      3      C      0
## 2278 3.088165e+18 2020-08-12      0      0     24      A      0
## 2279 3.088612e+18 2020-08-18      0      0     17      D    153
## 2280 3.099510e+18 2020-08-18      0      0      3      B      0
## 2281 3.105181e+18 2020-08-11      0      0     45      F     54
## 2282 3.107862e+18 2020-08-19      0      0      4      D     81
## 2283 3.108020e+18 2020-08-19      0      0      2      A      0
## 2284 3.108615e+18 2020-08-13      0      0     62      A      0
## 2285 3.116520e+18 2020-08-15      0      0      3      A     65
## 2286 3.120087e+18 2020-08-12      0      0     13      A      0
## 2287 3.121847e+18 2020-08-10      0      0     18      C      0
## 2288 3.123824e+18 2020-08-14      0      0      7      C     81
## 2289 3.124368e+18 2020-08-15      0      0      2      A     62
## 2290 3.125327e+18 2020-08-16      0      0      7      D      0
## 2291 3.133350e+18 2020-08-15      1   1299     24      A     40
## 2292 3.136607e+18 2020-08-15      0      0     34      B     81
## 2293 3.138848e+18 2020-08-17      0      0     27      A     53
## 2294 3.141905e+18 2020-08-17      0      0      7      B      0
## 2295 3.143793e+18 2020-08-11      0      0     14      C     40
## 2296 3.150483e+18 2020-08-14      0      0     15      A     41
## 2297 3.154907e+18 2020-08-11      0      0     40      F     40
## 2298 3.155967e+18 2020-08-14      0      0     24      A     13
## 2299 3.157914e+18 2020-08-13      0      0      2      A     14
## 2300 3.159101e+18 2020-08-12      0      0      4      A      0
## 2301 3.160363e+18 2020-08-12      0      0     48      A      0
## 2302 3.171578e+18 2020-08-18      0      0      1      A    102
## 2303 3.172897e+18 2020-08-12      0      0      1      A     43
## 2304 3.174376e+18 2020-08-10      0      0      6      G      0
## 2305 3.177186e+18 2020-08-10      0      0      1      A     45
## 2306 3.177645e+18 2020-08-18      0      0      5      D     47
## 2307 3.187148e+18 2020-08-18      0      0      7      C     81
## 2308 3.190287e+18 2020-08-19      0      0      7   <NA>      0
## 2309 3.195006e+18 2020-08-12      0      0      2      D     88
## 2310 3.197155e+18 2020-08-12      0      0      5      A     43
## 2311 3.206341e+18 2020-08-13      0      0      1      A      0
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## 2312 3.207912e+18 2020-08-13        0    0   18      A    14
## 2313 3.208468e+18 2020-08-16        0    0   14      C     0
## 2314 3.210261e+18 2020-08-20        0    0    1      A     0
## 2315 3.210591e+18 2020-08-11        0    0   39      C     0
## 2316 3.212277e+18 2020-08-12        0    0   10      A   141
## 2317 3.213653e+18 2020-08-14        0    0    3      A    13
## 2318 3.216996e+18 2020-08-15        0    0    5      A     0
## 2319 3.217604e+18 2020-08-17        0    0    1      D     0
## 2320 3.218510e+18 2020-08-13        0    0   11      A    65
## 2321 3.223764e+18 2020-08-12        0    0    1      A     0
## 2322 3.228262e+18 2020-08-18        0    0    4      A     0
## 2323 3.247184e+18 2020-08-17        0    0   22      C    32
## 2324 3.256308e+18 2020-08-20        0    0    2      A    26
## 2325 3.271548e+18 2020-08-10        0    0    7      A     0
## 2326 3.273219e+18 2020-08-13        0    0   27      F    38
## 2327 3.277932e+18 2020-08-14        0    0    2      A    41
## 2328 3.278083e+18 2020-08-12        0    0   11      A     0
## 2329 3.290432e+18 2020-08-20        0    0    1      E     8
## 2330 3.291321e+18 2020-08-18        0    0   13      B    71
## 2331 3.293897e+18 2020-08-10        0    0    6      G   161
## 2332 3.295559e+18 2020-08-20        0    0    6      D     0
## 2333 3.303076e+18 2020-08-19        0    0   30      B     0
## 2334 3.304435e+18 2020-08-19        0    0    3      E     0
## 2335 3.306940e+18 2020-08-12        0    0    1      A    15
## 2336 3.309214e+18 2020-08-11        0    0    1      A    44
## 2337 3.309726e+18 2020-08-17        0    0   43      A     0
## 2338 3.310564e+18 2020-08-16        0    0    3      A    54
## 2339 3.317035e+18 2020-08-15        0    0    4      A   105
## 2340 3.317228e+18 2020-08-18        0    0    1      A     9
## 2341 3.321655e+18 2020-08-19        0    0    3      A    62
## 2342 3.327308e+17 2020-08-12        0    0    6      A    91
## 2343 3.332171e+18 2020-08-11        0    0   16      A     0
## 2344 3.332506e+18 2020-08-13        0    0    3      A     0
## 2345 3.340934e+18 2020-08-19        0    0    1      A     0
## 2346 3.341477e+17 2020-08-19        0    0   10      G   104
## 2347 3.354736e+18 2020-08-18        0    0   12      C    31
## 2348 3.357626e+18 2020-08-14        0    0   23   <NA>     0
## 2349 3.360072e+18 2020-08-17        0    0    4      A     0
## 2350 3.362556e+17 2020-08-10        0    0   12      C     0
## 2351 3.372650e+18 2020-08-18        0    0   18      G    47
## 2352 3.374611e+18 2020-08-11        0    0    1      A     0
## 2353 3.376515e+18 2020-08-16        0    0    2      D    49
## 2354 3.376543e+18 2020-08-11        0    0    1      A    18
## 2355 3.380164e+17 2020-08-16        0    0    8      A     0
## 2356 3.381232e+18 2020-08-16        0    0    2      B   141
## 2357 3.382698e+18 2020-08-12        0    0    7      A     0
## 2358 3.384723e+18 2020-08-10        0    0    3      B     0
## 2359 3.384741e+18 2020-08-13        0    0   22      A    15
## 2360 3.396928e+18 2020-08-19        0    0    8      G   208
## 2361 3.400383e+18 2020-08-15        0    0    3      A     0
## 2362 3.404584e+18 2020-08-19        0    0   22      A    51
## 2363 3.405703e+18 2020-08-14        0    0    1      D     0
## 2364 3.413218e+18 2020-08-14        0    0    3      A     0
## 2365 3.421223e+18 2020-08-10        0    0   28      C    81
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## 2366 3.424240e+18 2020-08-15    0    0    1    A      0
## 2367 3.425245e+17 2020-08-13    0    0    1    A     14
## 2368 3.428534e+18 2020-08-17    0    0    2    A     11
## 2369 3.428667e+17 2020-08-18    0    0    3    A     52
## 2370 3.431769e+18 2020-08-16    0    0    1    A     30
## 2371 3.432921e+18 2020-08-16    0    0    6    G     49
## 2372 3.432957e+18 2020-08-10    2 1156   22    C     55
## 2373 3.434656e+18 2020-08-14    0    0   23    B     51
## 2374 3.438560e+18 2020-08-20    0    0    1    A      7
## 2375 3.444321e+18 2020-08-15    0    0   10    B    208
## 2376 3.446550e+18 2020-08-20    0    0    6    A      0
## 2377 3.454950e+18 2020-08-20    0    0   10    A      0
## 2378 3.455453e+18 2020-08-17    0    0   44    A      0
## 2379 3.462424e+18 2020-08-16    0    0    1    A      0
## 2380 3.477497e+18 2020-08-10    1  799   38    B     55
## 2381 3.479790e+18 2020-08-19    0    0   14 <NA>     0
## 2382 3.480441e+18 2020-08-13    0    0   34    A     14
## 2383 3.484277e+18 2020-08-20    0    0   34    A      7
## 2384 3.487388e+18 2020-08-20    0    0    8    A     26
## 2385 3.490179e+18 2020-08-19    0    0    6    C      8
## 2386 3.496645e+18 2020-08-12    0    0    7    F     15
## 2387 3.497693e+18 2020-08-12    0    0    1    A     91
## 2388 3.497785e+18 2020-08-11    0    0   10 <NA>     0
## 2389 3.497923e+17 2020-08-12    0    0    3    A    108
## 2390 3.498796e+18 2020-08-16    0    0   11    C     55
## 2391 3.499627e+18 2020-08-11    0    0    4    F      0
## 2392 3.525565e+18 2020-08-18    0    0   41    A      0
## 2393 3.529897e+18 2020-08-13    0    0   17    B      0
## 2394 3.530508e+18 2020-08-12    0    0   72    A     15
## 2395 3.538153e+18 2020-08-16    0    0    2    A     30
## 2396 3.550514e+18 2020-08-20    0    0    9    A      0
## 2397 3.551386e+18 2020-08-16    0    0    6    B      0
## 2398 3.563055e+18 2020-08-19    0    0    6    C     81
## 2399 3.567123e+18 2020-08-15    0    0    7    A     40
## 2400 3.586604e+18 2020-08-20    0    0   14    A      8
## 2401 3.588249e+18 2020-08-19    0    0    1    F     27
## 2402 3.590368e+18 2020-08-14    0    0    2    G    223
## 2403 3.597232e+18 2020-08-17    0    0   14    F      0
## 2404 3.599097e+18 2020-08-20    0    0    2    A     50
## 2405 3.601742e+18 2020-08-18    0    0    6    A      0
## 2406 3.602596e+18 2020-08-13    0    0    2    A      0
## 2407 3.611084e+17 2020-08-15    0    0    1    A     12
## 2408 3.615096e+18 2020-08-16    0    0    2    A      0
## 2409 3.629490e+18 2020-08-17    0    0    3    A      0
## 2410 3.636156e+18 2020-08-20    0    0    3    A      0
## 2411 3.648757e+18 2020-08-11    0    0    1    A      0
## 2412 3.653224e+18 2020-08-15    0    0    2    E    131
## 2413 3.654346e+18 2020-08-18    0    0    1    D      0
## 2414 3.655441e+18 2020-08-14    0    0    5    C     51
## 2415 3.658230e+18 2020-08-11    0    0   52    A      0
## 2416 3.659598e+18 2020-08-16    0    0    3    A      0
## 2417 3.661831e+18 2020-08-12    0    0   12    C     59
## 2418 3.661856e+18 2020-08-20    0    0    1    A      0
## 2419 3.665741e+18 2020-08-15    0    0    5    A      0
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## 2420 3.668579e+17 2020-08-10    0    0    7    B    0
## 2421 3.674200e+18 2020-08-19    0    0    8    A   36
## 2422 3.674670e+18 2020-08-10    0    0    9    G  208
## 2423 3.674900e+18 2020-08-17    0    0    2    A    0
## 2424 3.677262e+18 2020-08-20    0    0   21    C  159
## 2425 3.678041e+18 2020-08-16    0    0    4    D   33
## 2426 3.688379e+18 2020-08-20    0    0    1    C  208
## 2427 3.693599e+18 2020-08-10    0    0   18    D    0
## 2428 3.696101e+18 2020-08-10    0    0    1    A    0
## 2429 3.699044e+18 2020-08-18    0    0    2    B    0
## 2430 3.703319e+18 2020-08-14    0    0    3    C    0
## 2431 3.714572e+17 2020-08-14    0    0    1    A    0
## 2432 3.719298e+18 2020-08-16    0    0   46    B   35
## 2433 3.722484e+18 2020-08-14    0    0   16    C   81
## 2434 3.726749e+18 2020-08-17    0    0    1    A  141
## 2435 3.727004e+18 2020-08-19    0    0    2    A    0
## 2436 3.733303e+18 2020-08-12    0    0    3    A  108
## 2437 3.737805e+18 2020-08-16    0    0    5    A    0
## 2438 3.737843e+18 2020-08-10    0    0    1    A    0
## 2439 3.739956e+18 2020-08-16    0    0    6    A    0
## 2440 3.742098e+18 2020-08-14    0    0   19    F   82
## 2441 3.742764e+18 2020-08-11    0    0    1    A   16
## 2442 3.744093e+18 2020-08-14    0    0   19    C    0
## 2443 3.747780e+18 2020-08-15    0    0   11    A   62
## 2444 3.747974e+18 2020-08-18    0    0   27    B   33
## 2445 3.753188e+18 2020-08-10    0    0    8    A    0
## 2446 3.753702e+18 2020-08-19    0    0   22    C    0
## 2447 3.760758e+18 2020-08-14    1 1259    2    A   13
## 2448 3.762724e+18 2020-08-10    0    0   24    B    0
## 2449 3.763318e+18 2020-08-18    0    0   12    A  128
## 2450 3.769596e+18 2020-08-17    0    0    8    G  106
## 2451 3.786028e+18 2020-08-11    0    0    7    A    0
## 2452 3.786689e+18 2020-08-17    0    0    6    A   53
## 2453 3.791032e+18 2020-08-17    0    0    4    A   38
## 2454 3.795057e+18 2020-08-17    0    0   15    A    0
## 2455 3.795640e+18 2020-08-16    0    0    4    A   11
## 2456 3.800502e+18 2020-08-20    0    0   16    F    0
## 2457 3.801113e+18 2020-08-17    0    0    5    D   65
## 2458 3.804745e+17 2020-08-16    0    0    4    A    0
## 2459 3.805482e+18 2020-08-10    0    0   18    B    0
## 2460 3.808631e+18 2020-08-15    0    0    5    A   62
## 2461 3.812425e+17 2020-08-15    0    0   57    C  208
## 2462 3.814612e+18 2020-08-20    0    0   42    B    0
## 2463 3.818596e+18 2020-08-16    0    0    9    A    0
## 2464 3.820399e+18 2020-08-20    0    0    2    A    7
## 2465 3.826353e+18 2020-08-18    0    0   19    F    0
## 2466 3.828783e+18 2020-08-11    0    0    1    D   84
## 2467 3.841594e+18 2020-08-11    0    0    6    A    0
## 2468 3.842593e+18 2020-08-20    0    0    7    F   99
## 2469 3.843521e+18 2020-08-12    0    0   15    A    0
## 2470 3.858021e+18 2020-08-20    0    0    4    D   69
## 2471 3.868655e+18 2020-08-11    0    0    5    D    0
## 2472 3.870333e+18 2020-08-20    0    0   22    A    0
## 2473 3.874627e+18 2020-08-20    0    0    5    C    0
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## 2474 3.880921e+18 2020-08-18       0       0       1       A        37
## 2475 3.883519e+18 2020-08-12       0       0       2       E         0
## 2476 3.894336e+17 2020-08-17       0       0      14       A         0
## 2477 3.899195e+18 2020-08-15       0       0       2       B        36
## 2478 3.899773e+18 2020-08-11       0       0       8       A        65
## 2479 3.903061e+18 2020-08-16       0       0       5       G       107
## 2480 3.908184e+18 2020-08-14       0       0       1       A        41
## 2481 3.912191e+18 2020-08-15       0       0       2       B         0
## 2482 3.915746e+17 2020-08-18       0       0       7       A        62
## 2483 3.917188e+17 2020-08-11       0       0      20       C         0
## 2484 3.919757e+18 2020-08-15       0       0       1       A        40
## 2485 3.924927e+18 2020-08-15       0       0      11       A         0
## 2486 3.932072e+18 2020-08-17       0       0      11       B         0
## 2487 3.933851e+18 2020-08-13       0       0       8       A       107
## 2488 3.935560e+18 2020-08-12       0       0       3       A        15
## 2489 3.945821e+15 2020-08-15       0       0      20       F       104
## 2490 3.951218e+18 2020-08-11       0       0      47       B       198
## 2491 3.951649e+18 2020-08-15       0       0       3       A         0
## 2492 3.953232e+18 2020-08-11       0       0      13       A       135
## 2493 3.968233e+18 2020-08-17       0       0       4       A        32
## 2494 3.992019e+18 2020-08-10       0       0       5       A        65
## 2495 3.994316e+17 2020-08-11       0       0      39       A         0
## 2496 4.588421e+18 2020-08-18       0       0      19       B        47
## 2497 4.838475e+18 2020-08-15       1    1149      26       A         0
## 2498 4.002902e+17 2020-08-10       0       0       2       C         0
## 2499 4.007008e+17 2020-08-15       0       0      10       D        65
## 2500 4.013538e+18 2020-08-10       0       0       6       B        41
## 2501 4.016581e+17 2020-08-16       0       0       5       A       104
## 2502 4.024590e+18 2020-08-20       0       0       5       G        31
## 2503 4.025519e+17 2020-08-13       0       0       2       A        14
## 2504 4.037696e+18 2020-08-20       1     229      15       A       126
## 2505 4.038260e+18 2020-08-12       0       0       2       A        16
## 2506 4.049386e+18 2020-08-13       0       0       2       C       208
## 2507 4.049928e+18 2020-08-15       0       0       6       A        62
## 2508 4.053229e+18 2020-08-13       0       0       2       A         0
## 2509 4.056268e+18 2020-08-16       0       0      34       C         0
## 2510 4.061408e+18 2020-08-14       0       0       3       D         0
## 2511 4.063464e+17 2020-08-16       0       0       1       A         0
## 2512 4.063632e+18 2020-08-19       0       0       4       A         0
## 2513 4.066245e+18 2020-08-10       0       0      11       A         0
## 2514 4.075919e+18 2020-08-16       0       0       5       E        12
## 2515 4.078200e+18 2020-08-14       0       0       3       G        37
## 2516 4.082583e+18 2020-08-16       0       0       1    <NA>        81
## 2517 4.084649e+18 2020-08-20       0       0      11       A        35
## 2518 4.087464e+18 2020-08-16       0       0       9       A         0
## 2519 4.096606e+17 2020-08-15       0       0      27       A        40
## 2520 4.096789e+18 2020-08-19       0       0       8       A         0
## 2521 4.096896e+18 2020-08-18       0       0       2       B        71
## 2522 4.103651e+18 2020-08-11       0       0       9       D        81
## 2523 4.104530e+18 2020-08-16       0       0       9       B         0
## 2524 4.109382e+18 2020-08-11       0       0       4       A         0
## 2525 4.109856e+18 2020-08-20       0       0       7       C        69
## 2526 4.113283e+18 2020-08-12       0       0       2       A         0
## 2527 4.118811e+18 2020-08-20       0       0       2       D        31
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## 2528 4.125821e+18 2020-08-13      0      0      6         A        0
## 2529 4.130445e+18 2020-08-20      0      0      2         A        0
## 2530 4.134695e+18 2020-08-12      0      0      2         C       15
## 2531 4.145995e+18 2020-08-10      0      0     13         C       17
## 2532 4.146613e+18 2020-08-10      0      0      3         A        0
## 2533 4.152447e+18 2020-08-19      0      0     11         C       70
## 2534 4.156169e+18 2020-08-11      0      0      4         G       54
## 2535 4.156932e+17 2020-08-18      0      0     26         C        0
## 2536 4.164269e+18 2020-08-13      0      0      6         D       38
## 2537 4.164416e+17 2020-08-17      0      0      7      <NA>        0
## 2538 4.166009e+18 2020-08-17      0      0      3         D       34
## 2539 4.191618e+18 2020-08-11      0      0      2         A       18
## 2540 4.191636e+18 2020-08-13      0      0      1         A        0
## 2541 4.192359e+18 2020-08-19      0      0      8         A      101
## 2542 4.196516e+18 2020-08-10      0      0      8         G       41
## 2543 4.196540e+18 2020-08-18      0      0      1         A        0
## 2544 4.206081e+18 2020-08-12      0      0     11         A        0
## 2545 4.208256e+18 2020-08-13      0      0      4         A        0
## 2546 4.210271e+18 2020-08-14      0      0      1         G       86
## 2547 4.212845e+18 2020-08-11      0      0      8         G        4
## 2548 4.230877e+17 2020-08-15      0      0      3         A        0
## 2549 4.236512e+18 2020-08-16      0      0      1         A        0
## 2550 4.247036e+18 2020-08-19      0      0      1         A        0
## 2551 4.252532e+18 2020-08-19      0      0      3         D       70
## 2552 4.257840e+18 2020-08-18      0      0      2         A       28
## 2553 4.260408e+18 2020-08-19      0      0      1         A       36
## 2554 4.261808e+18 2020-08-10      0      0      7         A      110
## 2555 4.267080e+18 2020-08-19      0      0      3         A        0
## 2556 4.269531e+18 2020-08-15      0      0      2         A        0
## 2557 4.273916e+18 2020-08-17      0      0      6         F       79
## 2558 4.282672e+18 2020-08-15      0      0     34         A        0
## 2559 4.282963e+18 2020-08-18      0      0     17         B        0
## 2560 4.283899e+18 2020-08-16      0      0     13      <NA>        0
## 2561 4.289584e+18 2020-08-18      0      0      3         A        0
## 2562 4.290955e+18 2020-08-19      0      0     12         A        8
## 2563 4.295968e+18 2020-08-18      0      0      1         E       90
## 2564 4.309087e+18 2020-08-10      0      0      1         A       17
## 2565 4.311763e+17 2020-08-10      0      0     10         A        0
## 2566 4.312848e+18 2020-08-18      0      0     20         A        9
## 2567 4.313857e+18 2020-08-20      0      0      1         D       69
## 2568 4.319467e+18 2020-08-12      0      0      7         A        0
## 2569 4.326022e+18 2020-08-19      0      0      5         A      141
## 2570 4.329128e+18 2020-08-14      0      0      7         C       81
## 2571 4.332508e+18 2020-08-13      0      0      7         B        0
## 2572 4.333124e+18 2020-08-17      0      0      1         A       32
## 2573 4.344673e+18 2020-08-13      0      0      3         A       65
## 2574 4.345242e+18 2020-08-19      0      0      3         A        0
## 2575 4.346228e+18 2020-08-18      0      0      7         A        0
## 2576 4.357340e+18 2020-08-14      0      0      1         C       57
## 2577 4.373701e+18 2020-08-12      0      0      5         C       59
## 2578 4.382231e+17 2020-08-14      0      0      4         C        0
## 2579 4.405372e+18 2020-08-17      0      0     23         A       11
## 2580 4.416923e+18 2020-08-13      0      0      1         C       58
## 2581 4.416943e+18 2020-08-17      0      0      3         D       81
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## 2582 4.427122e+18 2020-08-20      0      0    1      A    141
## 2583 4.431222e+18 2020-08-17      0      0   29      A     38
## 2584 4.431697e+17 2020-08-19      0      0   13      A      0
## 2585 4.435663e+18 2020-08-13      0      0    6      B     38
## 2586 4.436462e+16 2020-08-15      0      0    1      A     62
## 2587 4.441102e+18 2020-08-15      0      0   26      A     13
## 2588 4.443366e+18 2020-08-14      0      0   20      C     15
## 2589 4.443492e+18 2020-08-13      0      0    3      D      0
## 2590 4.463328e+18 2020-08-16      0      0   29      C      0
## 2591 4.464789e+18 2020-08-15      0      0    1      A     62
## 2592 4.471254e+18 2020-08-19      0      0    2      A      0
## 2593 4.471617e+18 2020-08-13      0      0    1      A     16
## 2594 4.473402e+18 2020-08-11      0      0    1      F      0
## 2595 4.473443e+18 2020-08-17      0      0    6      B     72
## 2596 4.474379e+18 2020-08-12      0      0    2      A     62
## 2597 4.481024e+18 2020-08-10      0      0    1      A      0
## 2598 4.483562e+17 2020-08-19      0      0    1      A     51
## 2599 4.484849e+18 2020-08-20      0      0    1      A      0
## 2600 4.484983e+18 2020-08-10      0      0   13      C     17
## 2601 4.491178e+17 2020-08-13      0      0    1      A      0
## 2602 4.491829e+18 2020-08-10      0      0   14      A      0
## 2603 4.492497e+18 2020-08-17      0      0    1      B     72
## 2604 4.492871e+18 2020-08-10      0      0    2      A    110
## 2605 4.494712e+18 2020-08-15      0      0    6      C     50
## 2606 4.500346e+18 2020-08-17      0      0    7      B     72
## 2607 4.501701e+18 2020-08-17      0      0    1      A     38
## 2608 4.503967e+18 2020-08-14      0      0    3      C    208
## 2609 4.509291e+18 2020-08-19      0      0   45      A     27
## 2610 4.510381e+18 2020-08-14      0      0    5      A      0
## 2611 4.512652e+18 2020-08-10      0      0   44      A      0
## 2612 4.525240e+18 2020-08-19      0      0   25      B     32
## 2613 4.529076e+18 2020-08-12      0      0    1      A      0
## 2614 4.531495e+18 2020-08-11      0      0    6      E      0
## 2615 4.531646e+18 2020-08-19      0      0    1      A      0
## 2616 4.534968e+18 2020-08-19      0      0    1      A     51
## 2617 4.536857e+18 2020-08-10      0      0    1      A      0
## 2618 4.537587e+18 2020-08-15      0      0    2      E      0
## 2619 4.543976e+18 2020-08-19      0      0   17      G     46
## 2620 4.548319e+18 2020-08-10      0      0    1      B     43
## 2621 4.551313e+17 2020-08-14      0      0    4      D     37
## 2622 4.554517e+18 2020-08-11      0      0   13      A      0
## 2623 4.556816e+18 2020-08-18      1    399   25      B     62
## 2624 4.560104e+18 2020-08-19      0      0    3      E      0
## 2625 4.562784e+18 2020-08-19      0      0    3      A      0
## 2626 4.568279e+18 2020-08-16      0      0   14      G     49
## 2627 4.573476e+18 2020-08-14      0      0    2      B      0
## 2628 4.574072e+17 2020-08-15      0      0    5      C    208
## 2629 4.574344e+18 2020-08-20      0      0    3      F     69
## 2630 4.577777e+18 2020-08-10      0      0   15   <NA>      5
## 2631 4.583244e+18 2020-08-18      0      0    1      F    101
## 2632 4.583656e+18 2020-08-11      0      0    2      D      0
## 2633 4.584684e+18 2020-08-11      0      0    1      B      0
## 2634 4.587428e+18 2020-08-18      0      0   17      F     31
## 2635 4.587887e+18 2020-08-13      0      0    2      A     16
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## 2636 4.590489e+17 2020-08-19          0      0      1      B      70
## 2637 4.592888e+18 2020-08-10          0      0     21      A       0
## 2638 4.597016e+18 2020-08-15          0      0      8      B       0
## 2639 4.597715e+18 2020-08-20          0      0      2      A       0
## 2640 4.598644e+18 2020-08-15          0      0     27      B     223
## 2641 4.600154e+18 2020-08-14          0      0      9      B       0
## 2642 4.601554e+18 2020-08-14          0      0      5      C      57
## 2643 4.603378e+18 2020-08-19          0      0      1      A       0
## 2644 4.608231e+18 2020-08-10          0      0     17      A      93
## 2645 4.609285e+18 2020-08-13          0      0      4      B       0
## 2646 4.616145e+18 2020-08-16          0      0      3      D       0
## 2647 4.622338e+18 2020-08-15          0      0      2      D      81
## 2648 4.625809e+18 2020-08-18          0      0      6      A     141
## 2649 4.637016e+18 2020-08-20          0      0      7      A      29
## 2650 4.644870e+18 2020-08-18          0      0     13      F     101
## 2651 4.647483e+18 2020-08-18          0      0     20      A      10
## 2652 4.653751e+18 2020-08-13          0      0      1      G     110
## 2653 4.655258e+18 2020-08-18          0      0      1      A       0
## 2654 4.656003e+18 2020-08-17          0      0      8      A      11
## 2655 4.656069e+18 2020-08-10          0      0      1      D      18
## 2656 4.656959e+18 2020-08-10          0      0      4      D       0
## 2657 4.664152e+18 2020-08-10          0      0      1      A       0
## 2658 4.666062e+18 2020-08-16          0      0     16      A      30
## 2659 4.668164e+18 2020-08-10          0      0      1      D       0
## 2660 4.670372e+18 2020-08-17          0      0      1      A       0
## 2661 4.688384e+18 2020-08-19          0      0     11      A     127
## 2662 4.693486e+18 2020-08-18          0      0      2      B     208
## 2663 4.706129e+18 2020-08-10          0      0     11      C      81
## 2664 4.710658e+18 2020-08-19          0      0      4      D       0
## 2665 4.719901e+18 2020-08-11          0      0      6      D       0
## 2666 4.725512e+18 2020-08-14          0      0      1      D       0
## 2667 4.726404e+18 2020-08-15          0      0      8      C       0
## 2668 4.731825e+18 2020-08-16          0      0     22      C      33
## 2669 4.734272e+18 2020-08-17          0      0      4      A      32
## 2670 4.735503e+18 2020-08-12          0      0     11      A       0
## 2671 4.735649e+18 2020-08-13          0      0      1      E       0
## 2672 4.743926e+18 2020-08-16          0      0      9      C       0
## 2673 4.746379e+18 2020-08-11          0      0      1      A      65
## 2674 4.747824e+18 2020-08-16          0      0      4      A      39
## 2675 4.749131e+18 2020-08-15          1   1119     15      A       0
## 2676 4.752697e+18 2020-08-18          0      0     12      A       0
## 2677 4.759651e+18 2020-08-16          0      0      8      A       0
## 2678 4.760520e+18 2020-08-11          0      0      2      A      16
## 2679 4.768805e+18 2020-08-15          0      0      1      A      40
## 2680 4.771265e+17 2020-08-12          0      0      4      C     208
## 2681 4.786321e+18 2020-08-10          0      0     20      B       0
## 2682 4.797991e+18 2020-08-20          0      0      2      A       0
## 2683 4.806871e+18 2020-08-19          0      0      3      A       0
## 2684 4.817649e+18 2020-08-15          0      0      9      D      50
## 2685 4.825704e+18 2020-08-13          0      0      1      A      14
## 2686 4.832971e+18 2020-08-17          0      0     18      A      53
## 2687 4.844904e+18 2020-08-10          0      0      2      A     110
## 2688 4.845806e+18 2020-08-13          0      0      4      A       0
## 2689 4.853939e+17 2020-08-19          0      0      5      C       0
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## 2690 4.857597e+18 2020-08-17      0      0      18      C      0
## 2691 4.858447e+18 2020-08-13      0      0       5      D     96
## 2692 4.860924e+18 2020-08-13      0      0      10      A     58
## 2693 4.866960e+18 2020-08-20      0      0       1      F      0
## 2694 4.869895e+18 2020-08-13      0      0      13      D      0
## 2695 4.871034e+18 2020-08-20      0      0       5   <NA>      0
## 2696 4.875034e+18 2020-08-19      0      0       7      D     46
## 2697 4.884870e+18 2020-08-19      0      0       4      A      0
## 2698 4.893478e+18 2020-08-16      0      0       3      B      0
## 2699 4.897217e+17 2020-08-18      0      0       9      A      0
## 2700 4.905921e+18 2020-08-20      0      0       1      A     50
## 2701 4.919409e+18 2020-08-14      0      0      34      A     41
## 2702 4.922146e+18 2020-08-11      2   1198      31      B      4
## 2703 4.924949e+18 2020-08-18      0      0       1      A      9
## 2704 4.925041e+18 2020-08-15      0      0       2      A     62
## 2705 4.937005e+18 2020-08-18      0      0      11      A      0
## 2706 4.937606e+18 2020-08-18      0      0      18      A      0
## 2707 4.939198e+18 2020-08-15      0      0       6      C      0
## 2708 4.943001e+18 2020-08-11      0      0      11      D      0
## 2709 4.949230e+18 2020-08-19      0      0       2      A      0
## 2710 4.950248e+18 2020-08-16      0      0      10      G    155
## 2711 4.956827e+17 2020-08-15      0      0       4      A      0
## 2712 4.961939e+18 2020-08-16      0      0       1      A     30
## 2713 4.965044e+18 2020-08-17      0      0       7      A     38
## 2714 4.967249e+18 2020-08-15      0      0      12      A     31
## 2715 4.969631e+18 2020-08-14      0      0       1      F    141
## 2716 4.971411e+18 2020-08-10      0      0       3      A      0
## 2717 4.971965e+18 2020-08-10      0      0      15      C     43
## 2718 4.982843e+18 2020-08-13      0      0       9      A    133
## 2719 4.986428e+17 2020-08-15      0      0       2      B     81
## 2720 4.988427e+18 2020-08-11      0      0       9      F     85
## 2721 4.996204e+18 2020-08-10      0      0      31      A     93
## 2722 4.999903e+18 2020-08-19      0      0      49      A      0
## 2723 4.999955e+18 2020-08-13      0      0       4      A     16
## 2724 5.363805e+18 2020-08-10      0      0       1      D     41
## 2725 5.539860e+18 2020-08-10      0      0       6      G    100
## 2726 5.001116e+18 2020-08-14      0      0       1      A     15
## 2727 5.007027e+18 2020-08-13      0      0       2      B      0
## 2728 5.007701e+18 2020-08-10      0      0       6      A     18
## 2729 5.009065e+17 2020-08-19      0      0       4      A     51
## 2730 5.009273e+18 2020-08-15      0      0       3      D      0
## 2731 5.023690e+18 2020-08-12      0      0      16      C     39
## 2732 5.030588e+18 2020-08-15      0      0       2      A    141
## 2733 5.050347e+18 2020-08-19      0      0      12      C      0
## 2734 5.056627e+18 2020-08-15      0      0       6      A      0
## 2735 5.059969e+18 2020-08-13      0      0       1      A      0
## 2736 5.060765e+18 2020-08-19      0      0       8      A      0
## 2737 5.061533e+18 2020-08-16      0      0       1      A      0
## 2738 5.063752e+18 2020-08-18      0      0       2      B      0
## 2739 5.069101e+18 2020-08-20      0      0       2      G      0
## 2740 5.069114e+18 2020-08-16      0      0       9      D     81
## 2741 5.076204e+18 2020-08-12      0      0       3      D     43
## 2742 5.095477e+18 2020-08-18      0      0       6      D     81
## 2743 5.101213e+18 2020-08-11      0      0      12      A    141
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## 2744 5.109338e+18 2020-08-20      0       0     3        A        0
## 2745 5.113580e+18 2020-08-15      1     229    10        A        0
## 2746 5.117260e+17 2020-08-15      0       0    58        A       31
## 2747 5.128429e+18 2020-08-20      0       0     2        B        0
## 2748 5.130348e+18 2020-08-15      0       0     1        A      141
## 2749 5.139417e+18 2020-08-13      0       0     1        F       52
## 2750 5.146477e+18 2020-08-18      0       0     1        B        0
## 2751 5.147804e+18 2020-08-17      0       0    34        B       72
## 2752 5.147949e+18 2020-08-14      0       0     2        A       13
## 2753 5.151372e+18 2020-08-15      0       0     4        A        0
## 2754 5.152436e+18 2020-08-10      0       0    10        A        0
## 2755 5.165777e+18 2020-08-14      0       0     3        D       51
## 2756 5.168332e+18 2020-08-11      0       0    17        B       54
## 2757 5.170516e+18 2020-08-14      0       0     1        A       15
## 2758 5.174076e+18 2020-08-20      0       0     9        C        0
## 2759 5.187351e+17 2020-08-14      0       0     1        E        0
## 2760 5.187512e+18 2020-08-16      0       0    61        A       30
## 2761 5.189422e+18 2020-08-10      0       0     3        C        0
## 2762 5.191048e+18 2020-08-11      0       0     1        B        0
## 2763 5.198300e+18 2020-08-13      0       0     5        D       42
## 2764 5.227839e+18 2020-08-16      0       0     4        C        0
## 2765 5.233488e+18 2020-08-11      1    1299    12        A       44
## 2766 5.235767e+18 2020-08-19      0       0     4        B      141
## 2767 5.236920e+18 2020-08-13      0       0     6        A        0
## 2768 5.238474e+18 2020-08-17      0       0    36        B        0
## 2769 5.243619e+18 2020-08-10      0       0    11        F       45
## 2770 5.247785e+17 2020-08-17      0       0     3        A        0
## 2771 5.249963e+18 2020-08-10      0       0     9     <NA>        0
## 2772 5.251241e+18 2020-08-11      0       0     8        B        0
## 2773 5.269947e+18 2020-08-14      0       0     4        E        0
## 2774 5.272070e+18 2020-08-10      0       0     4        C       43
## 2775 5.281871e+18 2020-08-17      0       0     1     <NA>        0
## 2776 5.291384e+18 2020-08-11      0       0     6        C       16
## 2777 5.291425e+18 2020-08-13      0       0     1        A       15
## 2778 5.296100e+18 2020-08-12      0       0     2        A        0
## 2779 5.296910e+18 2020-08-19      0       0     2        A       30
## 2780 5.300837e+18 2020-08-13      0       0    13        A        0
## 2781 5.309947e+18 2020-08-13      0       0     9        D        0
## 2782 5.316103e+18 2020-08-12      0       0     8        A       43
## 2783 5.316768e+18 2020-08-12      0       0     4        B        0
## 2784 5.320188e+18 2020-08-10      0       0     2        A       17
## 2785 5.321663e+18 2020-08-17      0       0     2        C       72
## 2786 5.325155e+18 2020-08-10      0       0     2        A        0
## 2787 5.326238e+18 2020-08-20      0       0     1        A        0
## 2788 5.327450e+18 2020-08-18      0       0     1        A        9
## 2789 5.327956e+18 2020-08-14      0       0     5        C        0
## 2790 5.329183e+18 2020-08-17      0       0     7        G       34
## 2791 5.329700e+18 2020-08-20      0       0    13        A        7
## 2792 5.340476e+18 2020-08-11      0       0     2        A       18
## 2793 5.343055e+18 2020-08-18      0       0     9        A      102
## 2794 5.344873e+18 2020-08-20      0       0    48        A        0
## 2795 5.347079e+18 2020-08-11      0       0    12        A        0
## 2796 5.352594e+18 2020-08-18      0       0     2        A        9
## 2797 5.358518e+18 2020-08-17      0       0    16        C        0
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## 2798 5.359520e+17 2020-08-13      0     0   13      D       0
## 2799 5.364060e+18 2020-08-12      0     0    7      D      81
## 2800 5.368518e+18 2020-08-17      0     0    4      A      38
## 2801 5.374224e+18 2020-08-17      0     0    3      A      10
## 2802 5.375482e+18 2020-08-15      1   398    5      D      50
## 2803 5.389252e+18 2020-08-10      1   799   17      C      43
## 2804 5.393260e+18 2020-08-17      0     0   18      A       0
## 2805 5.407865e+17 2020-08-12      0     0    2      B     208
## 2806 5.433721e+18 2020-08-12      0     0    1      E       0
## 2807 5.440511e+17 2020-08-16      0     0    6      A      39
## 2808 5.446762e+18 2020-08-14      0     0    8      A     141
## 2809 5.450472e+18 2020-08-10      0     0    3      A       0
## 2810 5.451329e+18 2020-08-11      0     0    2      A       0
## 2811 5.451962e+18 2020-08-14      0     0    8      C      37
## 2812 5.454876e+18 2020-08-20      0     0    1      A      26
## 2813 5.464509e+18 2020-08-12      0     0    1      A     141
## 2814 5.466630e+18 2020-08-12      0     0    3      A      15
## 2815 5.469267e+18 2020-08-14      0     0   20      C       0
## 2816 5.471495e+18 2020-08-11      0     0    2      A       0
## 2817 5.475006e+18 2020-08-13      0     0   34      A      65
## 2818 5.479839e+18 2020-08-11      0     0    4      C      54
## 2819 5.490204e+18 2020-08-18      0     0    1      A      52
## 2820 5.493388e+18 2020-08-18      0     0    1      F       0
## 2821 5.496930e+18 2020-08-16      0     0    1      A      30
## 2822 5.501044e+18 2020-08-19      0     0    3      F      70
## 2823 5.509316e+18 2020-08-17      0     0    5      E       0
## 2824 5.510154e+17 2020-08-20      0     0    6      A       0
## 2825 5.511503e+18 2020-08-10      0     0   21      A      18
## 2826 5.512420e+18 2020-08-15      0     0   24      F      40
## 2827 5.515922e+18 2020-08-13      0     0   32      A      42
## 2828 5.522389e+18 2020-08-13      1   859   27      C       0
## 2829 5.540279e+18 2020-08-14      0     0    4      A       0
## 2830 5.541563e+18 2020-08-20      0     0    2      B       0
## 2831 5.549326e+18 2020-08-16      0     0    1      A      11
## 2832 5.549734e+18 2020-08-12      0     0    9      A       0
## 2833 5.552496e+18 2020-08-14      0     0    4   <NA>       0
## 2834 5.554192e+18 2020-08-17      0     0    1      A      32
## 2835 5.555115e+18 2020-08-10      0     0   14      A       0
## 2836 5.565772e+18 2020-08-16      0     0    2      A       0
## 2837 5.570937e+18 2020-08-10      0     0    3   <NA>       0
## 2838 5.575949e+18 2020-08-10      0     0   11      A       0
## 2839 5.576566e+17 2020-08-20      0     0    1      A       0
## 2840 5.582777e+18 2020-08-15      0     0    1      A      65
## 2841 5.585370e+18 2020-08-13      0     0    1      A       0
## 2842 5.588098e+18 2020-08-14      1  1499    4      A      14
## 2843 5.595045e+18 2020-08-17      0     0   22      D      34
## 2844 5.607994e+18 2020-08-16      0     0   12      A       0
## 2845 5.610029e+18 2020-08-20      0     0    3      A      69
## 2846 5.612122e+18 2020-08-16      0     0   14      A     104
## 2847 5.627403e+18 2020-08-18      0     0   31      B      81
## 2848 5.631888e+18 2020-08-18      0     0    4      D      31
## 2849 5.634610e+18 2020-08-13      0     0    2      A      86
## 2850 5.635838e+18 2020-08-20      0     0   16      B       0
## 2851 5.650880e+18 2020-08-10      0     0    2      B     208
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## 2852 5.652180e+18 2020-08-16          0      0      5      E      0
## 2853 5.654876e+18 2020-08-10          0      0     12      A      0
## 2854 5.656117e+18 2020-08-15          0      0     18      C     81
## 2855 5.657727e+18 2020-08-11          1   1199     26      B      0
## 2856 5.662668e+18 2020-08-20          0      0      5      A      0
## 2857 5.668741e+18 2020-08-19          0      0      2      A      8
## 2858 5.670691e+18 2020-08-17          0      0      4      A     10
## 2859 5.676104e+17 2020-08-18          0      0      3      A    102
## 2860 5.676546e+16 2020-08-20          0      0      5      A     35
## 2861 5.677142e+18 2020-08-13          0      0     29      C     14
## 2862 5.679282e+18 2020-08-17          0      0     14      A      0
## 2863 5.744533e+17 2020-08-19          0      0     17      C     65
## 2864 5.745603e+18 2020-08-13          0      0      1      F     14
## 2865 5.757101e+18 2020-08-11          0      0      4      A     44
## 2866 5.759402e+18 2020-08-10          0      0     16      C     41
## 2867 5.760138e+18 2020-08-11          0      0     21      B     81
## 2868 5.765199e+17 2020-08-15          0      0      4      A     14
## 2869 5.768489e+18 2020-08-10          0      0      2      A      0
## 2870 5.775694e+18 2020-08-11          0      0      9      F      0
## 2871 5.785983e+18 2020-08-10          0      0      2      G    223
## 2872 5.789667e+17 2020-08-17          0      0      7      A     53
## 2873 5.796730e+17 2020-08-13          0      0      1      A     65
## 2874 5.796944e+18 2020-08-12          0      0     34      A     43
## 2875 5.797412e+18 2020-08-11          0      0     30      A     92
## 2876 5.797532e+17 2020-08-14          0      0      4      A      0
## 2877 5.798506e+18 2020-08-11          0      0      2      A      0
## 2878 5.800078e+18 2020-08-15          0      0     62      A      0
## 2879 5.803739e+18 2020-08-14          0      0     23      A      0
## 2880 5.812006e+18 2020-08-20          0      0      1      B      0
## 2881 5.812812e+18 2020-08-17          0      0      4      C      0
## 2882 5.828682e+18 2020-08-20          0      0      5      A      7
## 2883 5.829330e+18 2020-08-10          0      0      1      A      0
## 2884 5.829958e+16 2020-08-15          0      0      6      A      0
## 2885 5.837176e+18 2020-08-18          0      0     19      B      0
## 2886 5.841033e+18 2020-08-15          0      0     12      A     40
## 2887 5.844544e+18 2020-08-16          0      0      5      E      0
## 2888 5.850841e+18 2020-08-16          0      0      9      A      0
## 2889 5.851976e+18 2020-08-10          0      0      8      D     41
## 2890 5.859835e+18 2020-08-10          0      0     18      A      0
## 2891 5.862979e+18 2020-08-14          0      0     25      A      0
## 2892 5.863167e+18 2020-08-10          0      0      1      A      0
## 2893 5.864863e+17 2020-08-12          0      0      2      A      0
## 2894 5.868200e+18 2020-08-15          0      0      5      E      0
## 2895 5.870499e+18 2020-08-10          0      0     14      A      0
## 2896 5.871301e+18 2020-08-10          0      0      2      A      0
## 2897 5.872669e+18 2020-08-11          0      0      2      A     18
## 2898 5.882620e+18 2020-08-19          0      0      1      A      8
## 2899 5.885587e+18 2020-08-16          0      0     14      A     39
## 2900 5.894675e+18 2020-08-10          0      0      1      A     17
## 2901 5.898630e+17 2020-08-12          0      0      8      E      0
## 2902 5.898969e+18 2020-08-20          0      0      4      A      0
## 2903 5.903307e+18 2020-08-13          0      0      3      A     16
## 2904 5.906446e+18 2020-08-19          0      0      1      G    152
## 2905 5.914169e+18 2020-08-11          0      0      1      A      0
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## 2906 5.919113e+18 2020-08-10    0    0   26    B     0
## 2907 5.922956e+18 2020-08-13    0    0    1    A     0
## 2908 5.923589e+18 2020-08-14    0    0    2    F   105
## 2909 5.926255e+18 2020-08-18    0    0    4    A    10
## 2910 5.926621e+18 2020-08-20    0    0    4    A    69
## 2911 5.930224e+18 2020-08-12    0    0   15    B     0
## 2912 5.931166e+18 2020-08-20    0    0   10    B    31
## 2913 5.932481e+17 2020-08-10    0    0    7    C     0
## 2914 5.938079e+18 2020-08-10    0    0    1    A   110
## 2915 5.938923e+18 2020-08-13    0    0    2    E     0
## 2916 5.940061e+18 2020-08-17    0    0   13    A     0
## 2917 5.946475e+18 2020-08-13    0    0    3    G   158
## 2918 5.946500e+18 2020-08-20    0    0    2    A   100
## 2919 5.947567e+18 2020-08-10    0    0    7    A    65
## 2920 5.948892e+18 2020-08-16    0    0    1    A     0
## 2921 5.954865e+18 2020-08-10    0    0    2    A     0
## 2922 5.956549e+18 2020-08-20    0    0    4    D     0
## 2923 5.962139e+18 2020-08-12    0    0    6    D    39
## 2924 5.964148e+18 2020-08-13    0    0    1    A     0
## 2925 5.964350e+18 2020-08-12    0    0    7    A   141
## 2926 5.964719e+17 2020-08-19    0    0    2    A     9
## 2927 5.965146e+18 2020-08-19    0    0    2    A   101
## 2928 5.968865e+18 2020-08-18    0    0    1    A    37
## 2929 5.971665e+18 2020-08-11    0    0    6    C    16
## 2930 5.971968e+18 2020-08-16    0    0   22    B    49
## 2931 5.972891e+18 2020-08-20    1  939   37    C     0
## 2932 5.977210e+18 2020-08-13    0    0    8    A     0
## 2933 5.985101e+18 2020-08-15    0    0   10    A    14
## 2934 5.989887e+18 2020-08-20    0    0    4    E     0
## 2935 5.999596e+18 2020-08-20    0    0    7    D    29
## 2936 6.126528e+18 2020-08-15    0    0   30    B     0
## 2937 6.591877e+18 2020-08-13    0    0   20    B     0
## 2938 6.004333e+18 2020-08-10    0    0    2    A     0
## 2939 6.005755e+18 2020-08-12    0    0   11    B    53
## 2940 6.019319e+18 2020-08-20    0    0   15    B   223
## 2941 6.023662e+18 2020-08-15    0    0   12    A     0
## 2942 6.025940e+18 2020-08-17    0    0    1    G    34
## 2943 6.047388e+18 2020-08-13    0    0    1    E     0
## 2944 6.047885e+18 2020-08-13    0    0   20 <NA>     0
## 2945 6.051988e+18 2020-08-12    0    0    6    C    81
## 2946 6.052654e+18 2020-08-10    0    0   10    C    55
## 2947 6.062274e+18 2020-08-16    0    0    2    C    11
## 2948 6.065020e+18 2020-08-18    0    0    1    A    28
## 2949 6.072907e+18 2020-08-11    0    0    5    A    44
## 2950 6.077783e+17 2020-08-14    0    0    3 <NA>    95
## 2951 6.078855e+18 2020-08-16    0    0   29    F   103
## 2952 6.082551e+18 2020-08-14    0    0   10    A    65
## 2953 6.097432e+18 2020-08-19    0    0   10    A     0
## 2954 6.100394e+18 2020-08-13    0    0   10    B     0
## 2955 6.104155e+18 2020-08-19    0    0    7    A     0
## 2956 6.106808e+18 2020-08-12    0    0    4    A    43
## 2957 6.107433e+18 2020-08-10    0    0    5    G   100
## 2958 6.107894e+18 2020-08-10    0    0    2    A     0
## 2959 6.109199e+18 2020-08-16    0    0    1    A    30
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## 2960 6.137312e+18 2020-08-13      0      0     19       A         0
## 2961 6.141073e+18 2020-08-18      0      0     12       A         0
## 2962 6.155783e+17 2020-08-17      0      0      2       A       103
## 2963 6.158579e+18 2020-08-10      0      0      8       G       161
## 2964 6.160279e+18 2020-08-11      1    659      7       C         0
## 2965 6.162553e+18 2020-08-20      0      0      2       D         0
## 2966 6.165186e+18 2020-08-17      0      0     19       F        32
## 2967 6.165868e+18 2020-08-13      0      0      2       A         0
## 2968 6.168664e+18 2020-08-15      0      0      7       D       156
## 2969 6.172649e+16 2020-08-16      0      0      1       A         0
## 2970 6.177099e+18 2020-08-20      0      0     47    <NA>       124
## 2971 6.179106e+18 2020-08-10      0      0      2       A         0
## 2972 6.179334e+18 2020-08-17      0      0     11       C        34
## 2973 6.181040e+18 2020-08-15      0      0      3       A         0
## 2974 6.187386e+18 2020-08-20      0      0      1       A        29
## 2975 6.196486e+18 2020-08-16      0      0      6       A         0
## 2976 6.200579e+18 2020-08-16      0      0      4       A        54
## 2977 6.201189e+16 2020-08-12      0      0     20       C        17
## 2978 6.204652e+17 2020-08-19      0      0     50       A        51
## 2979 6.207153e+18 2020-08-20      0      0      1       A       141
## 2980 6.211179e+18 2020-08-14      0      0      8       A        41
## 2981 6.216053e+18 2020-08-13      0      0     32       F        52
## 2982 6.220750e+18 2020-08-11      0      0      1       A         0
## 2983 6.224759e+17 2020-08-19      0      0      2       B         0
## 2984 6.226211e+18 2020-08-11      0      0      5       F        54
## 2985 6.227226e+17 2020-08-13      0      0      2       A         0
## 2986 6.228538e+18 2020-08-14      0      0      2       A         0
## 2987 6.235386e+18 2020-08-16      0      0     15       A         0
## 2988 6.238005e+18 2020-08-13      0      0      1       C         0
## 2989 6.242527e+18 2020-08-15      0      0      7       C         0
## 2990 6.243852e+18 2020-08-14      0      0     11       D       109
## 2991 6.250131e+18 2020-08-15      0      0     12       A        65
## 2992 6.250377e+18 2020-08-14      0      0      5       C         0
## 2993 6.250685e+18 2020-08-16      0      0      6       B        35
## 2994 6.269480e+18 2020-08-18      0      0      8       A        71
## 2995 6.281764e+18 2020-08-10      0      0     12       A        45
## 2996 6.294387e+18 2020-08-15      0      0      5       A         0
## 2997 6.295367e+18 2020-08-18      0      0      3       B        71
## 2998 6.295398e+18 2020-08-18      0      0     39    <NA>       126
## 2999 6.305988e+18 2020-08-14      0      0     10       G        51
## 3000 6.312313e+18 2020-08-14      0      0     28       B         2
## 3001 6.314672e+17 2020-08-18      0      0      6       A         0
## 3002 6.315269e+17 2020-08-18      0      0      4       A        52
## 3003 6.316993e+17 2020-08-20      0      0      3       D        81
## 3004 6.318326e+18 2020-08-12      0      0     10       F         0
## 3005 6.324158e+18 2020-08-15      0      0      3       D         0
## 3006 6.325128e+18 2020-08-18      0      0     11       C        47
## 3007 6.326391e+18 2020-08-19      0      0      1       A        36
## 3008 6.327799e+18 2020-08-16      0      0      7       G       208
## 3009 6.332241e+18 2020-08-17      0      0     65       A         0
## 3010 6.337213e+18 2020-08-20      0      0      1       A         7
## 3011 6.365014e+18 2020-08-11      1   1299     25       A        44
## 3012 6.365977e+18 2020-08-15      0      0      3    <NA>         0
## 3013 6.367803e+18 2020-08-11      0      0      1       A        44
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## 3014 6.378772e+18 2020-08-15          0       0       7         A           0
## 3015 6.384366e+16 2020-08-18          0       0      18         A           0
## 3016 6.386471e+18 2020-08-16          0       0       2         D          55
## 3017 6.387058e+17 2020-08-13          0       0       6         B         223
## 3018 6.391494e+18 2020-08-19          0       0      29         C           0
## 3019 6.392560e+18 2020-08-20          0       0       6         D          65
## 3020 6.402024e+18 2020-08-16          0       0      33         A          39
## 3021 6.402645e+18 2020-08-16          0       0       9         F          33
## 3022 6.406231e+18 2020-08-11          0       0       7         A           0
## 3023 6.422412e+17 2020-08-12          0       0       8         D          39
## 3024 6.423033e+17 2020-08-10          0       0       3         A         109
## 3025 6.438253e+18 2020-08-20          0       0       9      <NA>           0
## 3026 6.438686e+18 2020-08-14          0       0       1         A          65
## 3027 6.439545e+18 2020-08-11          0       0       7         G          40
## 3028 6.441338e+18 2020-08-19          0       0       8         D          70
## 3029 6.448888e+18 2020-08-19          1     599      26         C          81
## 3030 6.451337e+17 2020-08-14          0       0       6         A           0
## 3031 6.451807e+18 2020-08-11          0       0       2         A           0
## 3032 6.468974e+18 2020-08-13          0       0       4         A          62
## 3033 6.483310e+18 2020-08-14          0       0       2         A         141
## 3034 6.483641e+18 2020-08-11          0       0      15         C           0
## 3035 6.486891e+18 2020-08-13          0       0       2         A           0
## 3036 6.488048e+18 2020-08-14          0       0       5         G          51
## 3037 6.488907e+18 2020-08-10          0       0      41         D           0
## 3038 6.490662e+18 2020-08-14          0       0      18         B           0
## 3039 6.492582e+18 2020-08-10          0       0       7         E           0
## 3040 6.499568e+18 2020-08-10          0       0       9         A         141
## 3041 6.504248e+18 2020-08-19          0       0       6         C          70
## 3042 6.504591e+18 2020-08-18          0       0       5         A           0
## 3043 6.505788e+17 2020-08-18          0       0       1         A          31
## 3044 6.507058e+18 2020-08-14          0       0       2         A          13
## 3045 6.509164e+18 2020-08-15          0       0       5         A          40
## 3046 6.510625e+18 2020-08-11          0       0      55         B           4
## 3047 6.516154e+18 2020-08-13          0       0       2         D         110
## 3048 6.519405e+18 2020-08-19          0       0       2         A         141
## 3049 6.525511e+18 2020-08-15          0       0       4         A           0
## 3050 6.530412e+18 2020-08-11          0       0       3         A           0
## 3051 6.531055e+18 2020-08-10          0       0       1         A          45
## 3052 6.531631e+18 2020-08-17          0       0      12      <NA>           0
## 3053 6.532099e+18 2020-08-12          0       0      27         B         223
## 3054 6.534042e+18 2020-08-18          0       0       1         A           9
## 3055 6.537251e+18 2020-08-20          0       0       4         A           0
## 3056 6.537544e+18 2020-08-16          0       0      30         B         223
## 3057 6.540189e+18 2020-08-14          0       0       4         A           0
## 3058 6.553829e+18 2020-08-10          0       0       1         A          45
## 3059 6.553844e+18 2020-08-10          0       0       8         A          93
## 3060 6.555412e+18 2020-08-17          0       0       2         B           0
## 3061 6.556363e+18 2020-08-16          0       0      31         A           0
## 3062 6.558586e+18 2020-08-15          0       0       6         B          36
## 3063 6.561500e+18 2020-08-10          0       0       2         D           0
## 3064 6.567261e+18 2020-08-17          0       0     103         A           0
## 3065 6.567773e+18 2020-08-16          0       0      21         A           0
## 3066 6.570032e+17 2020-08-17          0       0       3         A           0
## 3067 6.572723e+18 2020-08-19          0       0       1         F          30
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## 3068 6.572733e+18 2020-08-16       0      0      3      A       0
## 3069 6.574852e+18 2020-08-20       0      0     17      A       8
## 3070 6.582589e+17 2020-08-12       0      0      4      A      43
## 3071 6.582623e+18 2020-08-20       0      0      1      D      31
## 3072 6.584697e+18 2020-08-19       0      0     22      A      51
## 3073 6.590866e+18 2020-08-20       0      0      2      B     208
## 3074 6.610344e+18 2020-08-19       0      0      2      A       0
## 3075 6.618541e+18 2020-08-18       0      0      1      A      52
## 3076 6.630610e+18 2020-08-18       0      0     23      C      28
## 3077 6.630906e+18 2020-08-14       0      0      1      A      13
## 3078 6.633239e+17 2020-08-13       0      0      1      A       0
## 3079 6.650686e+18 2020-08-16       0      0      1      D     141
## 3080 6.651947e+16 2020-08-14       0      0      6      A       0
## 3081 6.656636e+18 2020-08-12       0      0      2      A       0
## 3082 6.656740e+18 2020-08-11       0      0      2      D      81
## 3083 6.668415e+18 2020-08-12       0      0      4      A      43
## 3084 6.669063e+18 2020-08-11       0      0     11      A       0
## 3085 6.683254e+18 2020-08-14       0      0      1      A      65
## 3086 6.683369e+18 2020-08-18       0      0      2      A       0
## 3087 6.684060e+18 2020-08-10       0      0      2      A       0
## 3088 6.685909e+17 2020-08-17       0      0      1      A       0
## 3089 6.688191e+18 2020-08-12       0      0     17      A      43
## 3090 6.688203e+18 2020-08-14       0      0      1      A       0
## 3091 6.690635e+18 2020-08-11       0      0      4      D       0
## 3092 6.693509e+18 2020-08-14       0      0     57      A      65
## 3093 6.694108e+17 2020-08-13       0      0      1      F       0
## 3094 6.712127e+18 2020-08-19       0      0      4      A       9
## 3095 6.714381e+18 2020-08-15       0      0      5      A       0
## 3096 6.715708e+18 2020-08-12       0      0      3      C       0
## 3097 6.717045e+18 2020-08-10       0      0     12      A      45
## 3098 6.719910e+18 2020-08-11       0      0      1      D      17
## 3099 6.722995e+18 2020-08-18       0      0      5      A       0
## 3100 6.724285e+18 2020-08-12       0      0      1      A      17
## 3101 6.729153e+18 2020-08-11       0      0      6      B      40
## 3102 6.733580e+17 2020-08-15       0      0      6      C       0
## 3103 6.741996e+18 2020-08-10       0      0     25      B      41
## 3104 6.744514e+18 2020-08-12       0      0     19      G      39
## 3105 6.755476e+18 2020-08-10       0      0      2      A      17
## 3106 6.757356e+18 2020-08-14       0      0      1      A      15
## 3107 6.761081e+18 2020-08-20       0      0      2      D      29
## 3108 6.767967e+18 2020-08-11       1    799     37      B      54
## 3109 6.769305e+18 2020-08-10       0      0      3      A       0
## 3110 6.770626e+18 2020-08-17       0      0      8      A      29
## 3111 6.773851e+18 2020-08-15       0      0      2      A       0
## 3112 6.775902e+18 2020-08-13       0      0     13      B      38
## 3113 6.784112e+18 2020-08-10       0      0      1      G     208
## 3114 6.790181e+18 2020-08-16       0      0      5      A       0
## 3115 6.798186e+18 2020-08-15       0      0      1      G      50
## 3116 6.798223e+18 2020-08-17       0      0      3      A       0
## 3117 6.799390e+18 2020-08-16       0      0     29      A       0
## 3118 6.802662e+18 2020-08-13       0      0      5      A     141
## 3119 6.806344e+18 2020-08-16       0      0     22      B      81
## 3120 6.822127e+18 2020-08-17       0      0      1      A       0
## 3121 6.829450e+16 2020-08-15       0      0      1      A     141
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## 3122 6.836893e+18 2020-08-10       0      0     1      D       65
## 3123 6.837217e+18 2020-08-12       0      0     2      G        3
## 3124 6.837925e+18 2020-08-13       1    739    85      C        0
## 3125 6.846751e+18 2020-08-13       1   1489    44      A        0
## 3126 6.863087e+17 2020-08-18       0      0     1      B       33
## 3127 6.881725e+18 2020-08-18       0      0    30      A       37
## 3128 6.889881e+18 2020-08-19       0      0    10      D       70
## 3129 6.892811e+18 2020-08-18       0      0    21      A       10
## 3130 6.899364e+18 2020-08-17       0      0    14      B       81
## 3131 6.903979e+18 2020-08-10       0      0     2      A        0
## 3132 6.907608e+18 2020-08-18       0      0     2      E        0
## 3133 6.908860e+18 2020-08-10       0      0     3      F       45
## 3134 6.909503e+18 2020-08-14       1    349    22      C        0
## 3135 6.910563e+18 2020-08-14       0      0    20      A       41
## 3136 6.916509e+18 2020-08-18       0      0    14      A        0
## 3137 6.922663e+18 2020-08-16       0      0    34      D        0
## 3138 6.923543e+18 2020-08-17       0      0    15      A       38
## 3139 6.930358e+18 2020-08-10       1   1299    12      B        0
## 3140 6.930598e+18 2020-08-15       0      0     6      B       36
## 3141 6.941279e+18 2020-08-12       0      0     7      D       53
## 3142 6.941309e+18 2020-08-16       0      0     4      A      141
## 3143 6.942130e+18 2020-08-13       0      0    25      B        2
## 3144 6.969322e+18 2020-08-15       0      0    11      C      122
## 3145 6.979955e+18 2020-08-13       0      0    16      A       65
## 3146 6.981331e+18 2020-08-13       0      0    10      A        0
## 3147 6.991926e+18 2020-08-20       0      0     5      B       31
## 3148 6.993088e+18 2020-08-14       0      0     6      D        0
## 3149 7.900790e+18 2020-08-17       0      0     1      D        0
## 3150 7.955460e+18 2020-08-13       0      0     3      A        0
## 3151 7.004660e+18 2020-08-11       0      0     5      E       17
## 3152 7.006152e+17 2020-08-14       0      0     1      A       41
## 3153 7.008425e+18 2020-08-18       0      0    13      B       62
## 3154 7.013127e+18 2020-08-10       0      0     5      D      100
## 3155 7.016439e+18 2020-08-15       0      0    43      A        0
## 3156 7.016777e+18 2020-08-20       0      0     1      A        0
## 3157 7.018557e+17 2020-08-15       0      0     1      A       13
## 3158 7.019533e+18 2020-08-11       0      0     6      D       40
## 3159 7.022549e+17 2020-08-18       0      0    15   <NA>        0
## 3160 7.025462e+18 2020-08-10       0      0     2      A       93
## 3161 7.043918e+18 2020-08-16       0      0     9      A        0
## 3162 7.045315e+18 2020-08-18       0      0     4      A        0
## 3163 7.045615e+18 2020-08-20       0      0    20      G      103
## 3164 7.047349e+18 2020-08-14       0      0     1      A        0
## 3165 7.058467e+18 2020-08-20       0      0    28   <NA>        0
## 3166 7.061165e+17 2020-08-13       0      0     2      F       16
## 3167 7.092153e+17 2020-08-16       0      0     6      A        0
## 3168 7.094502e+18 2020-08-13       0      0    31      C        0
## 3169 7.100468e+18 2020-08-20       0      0    20      C       59
## 3170 7.104634e+18 2020-08-16       0      0     1      E      130
## 3171 7.108914e+18 2020-08-14       0      0     4      B        0
## 3172 7.112705e+18 2020-08-19       0      0     2      A        0
## 3173 7.115217e+18 2020-08-15       0      0     3      A        0
## 3174 7.121243e+18 2020-08-18       0      0     1      A        0
## 3175 7.121587e+18 2020-08-15       0      0     1      A       65
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## 3176 7.134908e+18 2020-08-16        0       0     1        C      208
## 3177 7.141484e+18 2020-08-12        0       0     1        A       87
## 3178 7.144598e+18 2020-08-15        0       0     7        B        0
## 3179 7.151093e+18 2020-08-10        0       0    21        B       41
## 3180 7.154061e+18 2020-08-11        0       0     1        A       65
## 3181 7.155729e+18 2020-08-20        0       0     1        B        0
## 3182 7.171898e+17 2020-08-14        0       0     2        D        0
## 3183 7.177252e+18 2020-08-13        0       0    24        A       14
## 3184 7.179963e+18 2020-08-12        0       0     3        A       16
## 3185 7.182121e+18 2020-08-13        0       0     6        C        0
## 3186 7.186031e+18 2020-08-10        0       0    18        A        0
## 3187 7.189346e+18 2020-08-18        0       0    10        G       47
## 3188 7.200939e+18 2020-08-17        0       0     5        A        0
## 3189 7.203968e+18 2020-08-15        0       0    22        D        0
## 3190 7.206436e+18 2020-08-12        0       0    13        A        0
## 3191 7.206555e+18 2020-08-16        0       0     9        D      107
## 3192 7.208115e+18 2020-08-11        0       0     7        D        0
## 3193 7.219191e+18 2020-08-15        0       0     4        B        0
## 3194 7.225776e+18 2020-08-16        0       0     2        A       54
## 3195 7.226122e+18 2020-08-12        0       0   125        C        0
## 3196 7.235648e+18 2020-08-17        0       0     4        B       81
## 3197 7.242583e+17 2020-08-10        0       0    14        A        0
## 3198 7.244264e+18 2020-08-17        0       0     1        A       38
## 3199 7.245596e+18 2020-08-15        0       0    11        C       36
## 3200 7.249632e+18 2020-08-13        0       0     5        A       62
## 3201 7.254219e+17 2020-08-14        0       0     3        A        0
## 3202 7.255267e+18 2020-08-10        1     209    11        A        0
## 3203 7.264625e+18 2020-08-10        0       0    44        C       43
## 3204 7.264899e+18 2020-08-19        0       0     4        A        0
## 3205 7.270733e+18 2020-08-15        0       0     8        A       65
## 3206 7.270811e+18 2020-08-10        0       0    39        C        5
## 3207 7.284309e+17 2020-08-17        0       0    18        C       81
## 3208 7.284521e+18 2020-08-14        0       0     1        A       15
## 3209 7.292421e+18 2020-08-11        0       0     4        C       42
## 3210 7.301447e+18 2020-08-10        0       0    25        C        0
## 3211 7.304979e+18 2020-08-20        0       0    11        A        0
## 3212 7.311349e+18 2020-08-11        0       0     6     <NA>        0
## 3213 7.316244e+18 2020-08-10        0       0     9        D        0
## 3214 7.316477e+18 2020-08-11        0       0    10     <NA>        0
## 3215 7.323486e+18 2020-08-18        0       0     2        A       31
## 3216 7.325653e+18 2020-08-11        0       0     3        A       16
## 3217 7.332243e+18 2020-08-15        0       0     3        A        0
## 3218 7.334661e+18 2020-08-20        0       0    56        C       31
## 3219 7.338340e+18 2020-08-19        0       0     1        B        0
## 3220 7.339583e+18 2020-08-18        0       0     1        A        0
## 3221 7.351584e+18 2020-08-18        0       0    24        C       81
## 3222 7.355156e+18 2020-08-15        0       0     9        E        0
## 3223 7.360075e+18 2020-08-19        0       0     1        A        9
## 3224 7.377342e+16 2020-08-14        0       0     2        A      141
## 3225 7.387894e+15 2020-08-11        0       0    46        B       40
## 3226 7.388691e+18 2020-08-14        0       0     7        A       41
## 3227 7.388953e+18 2020-08-19        0       0     7        G      223
## 3228 7.390504e+18 2020-08-19        0       0    10        C        0
## 3229 7.394080e+17 2020-08-11        0       0    13        C       42
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## 3230 7.416444e+18 2020-08-19      0      0      4      A      51
## 3231 7.419356e+18 2020-08-17      0      0      1      A      53
## 3232 7.421091e+18 2020-08-14      0      0      3      A       0
## 3233 7.426594e+18 2020-08-11      0      0      9      C       0
## 3234 7.427288e+18 2020-08-10      0      0      5      B       0
## 3235 7.428145e+18 2020-08-19      0      0     43      A       0
## 3236 7.428673e+18 2020-08-17      0      0      3      A      10
## 3237 7.434930e+18 2020-08-18      0      0      8      A      31
## 3238 7.435856e+18 2020-08-17      0      0      2      B       0
## 3239 7.437594e+17 2020-08-11      0      0      1      A      44
## 3240 7.444633e+18 2020-08-16      0      0      1      A       0
## 3241 7.446760e+18 2020-08-12      0      0     30      C      59
## 3242 7.449010e+18 2020-08-12      0      0      5      C      39
## 3243 7.452402e+17 2020-08-12      0      0     34      A       0
## 3244 7.466766e+16 2020-08-14      0      0      2      A       0
## 3245 7.474573e+18 2020-08-10      0      0      5      D     141
## 3246 7.485324e+18 2020-08-15      0      0      1      E       0
## 3247 7.486304e+18 2020-08-13      0      0      2      C       0
## 3248 7.489006e+18 2020-08-14      0      0      2      G     109
## 3249 7.499064e+18 2020-08-16      0      0     10      A      33
## 3250 7.510039e+18 2020-08-16      0      0      4      D      49
## 3251 7.511396e+18 2020-08-12      0      0     49      A       0
## 3252 7.514065e+18 2020-08-17      0      0      9      A       0
## 3253 7.523767e+18 2020-08-14      0      0      2      A      15
## 3254 7.528251e+18 2020-08-16      0      0      1      D      84
## 3255 7.546260e+18 2020-08-18      1    739    117      C       0
## 3256 7.553898e+18 2020-08-15      0      0     14      A       0
## 3257 7.556491e+18 2020-08-17      0      0     10      D     106
## 3258 7.565522e+18 2020-08-18      0      0      3      E       0
## 3259 7.565933e+18 2020-08-14      0      0      2      A       0
## 3260 7.569945e+18 2020-08-10      0      0      1      A       0
## 3261 7.572206e+18 2020-08-19      0      0      1      B       0
## 3262 7.575848e+18 2020-08-18      0      0      1      C      71
## 3263 7.577124e+18 2020-08-15      0      0      1      A      62
## 3264 7.577491e+18 2020-08-15      0      0      9      G      50
## 3265 7.591820e+18 2020-08-13      0      0      2      A      65
## 3266 7.593885e+18 2020-08-18      0      0      1      E       0
## 3267 7.595094e+18 2020-08-17      0      0      2      A     129
## 3268 7.608038e+17 2020-08-17      0      0     17      D      72
## 3269 7.610186e+18 2020-08-20      0      0      5      A       0
## 3270 7.612893e+18 2020-08-17      0      0     19      B       0
## 3271 7.618859e+18 2020-08-13      0      0     21      C      58
## 3272 7.635394e+18 2020-08-14      0      0      2      A      13
## 3273 7.637789e+18 2020-08-10      0      0     34      A      45
## 3274 7.642339e+18 2020-08-14      0      0      4      A       0
## 3275 7.645990e+18 2020-08-15      0      0      2      A      40
## 3276 7.646341e+18 2020-08-19      0      0      1      A      51
## 3277 7.651573e+18 2020-08-17      0      0      6      C      10
## 3278 7.661673e+18 2020-08-16      0      0     30      A       0
## 3279 7.662268e+17 2020-08-16      0      0      2      A       0
## 3280 7.664059e+18 2020-08-15      0      0      1      A      40
## 3281 7.667383e+17 2020-08-19      0      0     13      A       0
## 3282 7.668046e+18 2020-08-17      0      0      4      B       0
## 3283 7.669553e+18 2020-08-11      0      0      3      A      18
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## 3284 7.676290e+18 2020-08-20      0      0     2       A   100
## 3285 7.680807e+17 2020-08-17      0      0     1       F    72
## 3286 7.682866e+18 2020-08-14      0      0     1       B    57
## 3287 7.684290e+18 2020-08-15      0      0    22       B    50
## 3288 7.696480e+18 2020-08-12      0      0     6       B    39
## 3289 7.699336e+18 2020-08-11      0      0     2       A   108
## 3290 7.708710e+18 2020-08-10      0      0    13       B    41
## 3291 7.709203e+18 2020-08-13      0      0     3       D   138
## 3292 7.713928e+18 2020-08-17      0      0    19       B     0
## 3293 7.714546e+18 2020-08-15      0      0     9       A     0
## 3294 7.717834e+18 2020-08-11      0      0    14    <NA>     4
## 3295 7.719391e+18 2020-08-17      0      0    10       A   129
## 3296 7.721533e+18 2020-08-16      0      0     8       A    33
## 3297 7.726962e+18 2020-08-17      0      0     1       A    38
## 3298 7.729974e+18 2020-08-16      0      0     6       A     0
## 3299 7.732278e+18 2020-08-13      0      0     5       A     0
## 3300 7.737503e+18 2020-08-12      0      0     1       A     0
## 3301 7.740033e+18 2020-08-18      0      0     1       A     0
## 3302 7.745941e+18 2020-08-18      0      0     3       A    37
## 3303 7.748144e+18 2020-08-15      0      0    14       F    36
## 3304 7.749485e+18 2020-08-14      0      0    18       G    51
## 3305 7.752831e+18 2020-08-12      0      0    10       F     0
## 3306 7.756706e+18 2020-08-10      0      0     2       A    17
## 3307 7.761927e+18 2020-08-19      0      0    10       A    36
## 3308 7.761960e+18 2020-08-13      0      0     1       A    42
## 3309 7.766191e+18 2020-08-12      1    398    11       D     0
## 3310 7.771926e+18 2020-08-17      0      0     2       A    38
## 3311 7.773339e+18 2020-08-20      0      0     1       C    69
## 3312 7.774221e+18 2020-08-20      0      0     6       A     8
## 3313 7.778065e+18 2020-08-20      0      0     3       A   141
## 3314 7.779455e+18 2020-08-18      0      0     4       D     0
## 3315 7.780333e+18 2020-08-19      0      0     1       E   127
## 3316 7.789278e+18 2020-08-16      0      0     9       C    81
## 3317 7.793977e+18 2020-08-15      0      0     2       A    31
## 3318 7.800180e+18 2020-08-11      0      0     1       A     0
## 3319 7.809019e+18 2020-08-19      0      0    23    <NA>     0
## 3320 7.811938e+18 2020-08-19      0      0     9       A     0
## 3321 7.814907e+17 2020-08-13      0      0     2       A    62
## 3322 7.816687e+17 2020-08-16      0      0     8       E     0
## 3323 7.818807e+18 2020-08-18      0      0    18       A    52
## 3324 7.819715e+17 2020-08-13      0      0    10       A     0
## 3325 7.831184e+18 2020-08-15      1   1339     5       A    65
## 3326 7.831320e+18 2020-08-11      0      0     4       A    16
## 3327 7.842665e+18 2020-08-10      1    739   146       C     0
## 3328 7.844158e+18 2020-08-19      0      0     1       A     0
## 3329 7.848343e+17 2020-08-16      0      0    12       C    81
## 3330 7.852788e+18 2020-08-12      0      0     7       D    39
## 3331 7.856647e+18 2020-08-14      0      0     2       A     0
## 3332 7.856913e+18 2020-08-20      0      0     5    <NA>     0
## 3333 7.861040e+18 2020-08-13      0      0     2       A     0
## 3334 7.862834e+17 2020-08-12      0      0     5       A     0
## 3335 7.868715e+18 2020-08-17      0      0     3       A    53
## 3336 7.869887e+18 2020-08-14      0      0     7       A     0
## 3337 7.880114e+18 2020-08-12      0      0     1       A   141
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## 3338 7.880707e+18 2020-08-10        0        0      16        A       65
## 3339 7.887109e+18 2020-08-17        0        0       8        A        0
## 3340 7.887417e+18 2020-08-17        0        0       8        D        0
## 3341 7.889684e+18 2020-08-18        0        0       5        C       65
## 3342 7.893561e+18 2020-08-19        0        0       8        A        0
## 3343 7.899009e+18 2020-08-17        0        0       5        E        0
## 3344 7.899761e+18 2020-08-17        0        0       1        A      141
## 3345 7.901546e+18 2020-08-14        0        0       2        A        0
## 3346 7.908537e+18 2020-08-12        0        0      11        G      159
## 3347 7.914418e+18 2020-08-10        0        0       3        D        0
## 3348 7.915887e+18 2020-08-17        0        0       2        D        0
## 3349 7.916509e+17 2020-08-14        0        0      28        A       13
## 3350 7.917630e+18 2020-08-19        0        0       3        A        8
## 3351 7.940163e+18 2020-08-17        0        0       2        A        0
## 3352 7.953371e+18 2020-08-14        1      499      43        B       37
## 3353 7.964293e+18 2020-08-17        0        0       2        D       72
## 3354 7.965620e+18 2020-08-13        0        0      17        A       42
## 3355 7.971804e+18 2020-08-13        0        0       6        B       38
## 3356 7.988949e+18 2020-08-15        0        0       2        A        0
## 3357 7.991096e+18 2020-08-12        0        0      20        F       39
## 3358 7.998947e+18 2020-08-11        0        0      36        A       16
## 3359 7.999709e+18 2020-08-17        0        0      13        B       34
## 3360 8.665018e+18 2020-08-17        0        0      56        F       48
## 3361 8.001160e+18 2020-08-17        0        0       2        G      208
## 3362 8.002405e+18 2020-08-14        0        0      34        F      105
## 3363 8.002984e+18 2020-08-16        0        0       7        A       54
## 3364 8.003383e+18 2020-08-10        0        0       9     <NA>        0
## 3365 8.004076e+18 2020-08-13        0        0       4        C       14
## 3366 8.007180e+18 2020-08-17        0        0       1        A       53
## 3367 8.033966e+18 2020-08-15        0        0      10        A      141
## 3368 8.035954e+18 2020-08-18        0        0       3        D        0
## 3369 8.048581e+18 2020-08-16        0        0      10        A       55
## 3370 8.050069e+18 2020-08-11        0        0      26        A        0
## 3371 8.059834e+17 2020-08-15        0        0       1        A       40
## 3372 8.062663e+17 2020-08-15        0        0       1        A       13
## 3373 8.064840e+18 2020-08-11        0        0      21        C       81
## 3374 8.065416e+18 2020-08-19        0        0      22        C       27
## 3375 8.067233e+18 2020-08-17        0        0       8        A       53
## 3376 8.075404e+17 2020-08-12        0        0       1        A       89
## 3377 8.076179e+18 2020-08-20        0        0       5        D        0
## 3378 8.081003e+18 2020-08-13        0        0       4        D        0
## 3379 8.092093e+18 2020-08-15        0        0       4        G      223
## 3380 8.094714e+18 2020-08-14        0        0       1        A       65
## 3381 8.100122e+17 2020-08-19        0        0       1        A        0
## 3382 8.100454e+18 2020-08-12        0        0      28        A        0
## 3383 8.106075e+18 2020-08-11        0        0      26        A       16
## 3384 8.106287e+18 2020-08-11        0        0      17        A        0
## 3385 8.106377e+18 2020-08-11        0        0      45        A        0
## 3386 8.107859e+18 2020-08-11        0        0       2        A        0
## 3387 8.110731e+18 2020-08-14        0        0      11        F        0
## 3388 8.110885e+18 2020-08-19        1      899      21        C        0
## 3389 8.113499e+18 2020-08-20        0        0       1        A       35
## 3390 8.115669e+18 2020-08-10        0        0       1        A        0
## 3391 8.115915e+18 2020-08-12        0        0       1        E      134
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## 3392 8.116123e+18 2020-08-16    0    0     4    A       0
## 3393 8.130562e+18 2020-08-13    0    0    24    C      58
## 3394 8.138662e+18 2020-08-11    0    0     9    F     109
## 3395 8.141617e+18 2020-08-14    0    0    18    A       0
## 3396 8.143949e+18 2020-08-15    0    0     1    A       0
## 3397 8.143994e+18 2020-08-18    0    0     3    A      28
## 3398 8.144246e+17 2020-08-16    1  989    52    A       0
## 3399 8.159704e+18 2020-08-16    1 1729     8    A       0
## 3400 8.161941e+18 2020-08-18    0    0     2    G     208
## 3401 8.163425e+18 2020-08-14    0    0    37    F      37
## 3402 8.167109e+16 2020-08-15    0    0    16 <NA>       0
## 3403 8.167116e+18 2020-08-12    0    0     2    D       0
## 3404 8.172947e+18 2020-08-18    0    0    20    B       0
## 3405 8.173611e+18 2020-08-16    0    0     5    A      33
## 3406 8.178739e+18 2020-08-16    0    0    32    B       0
## 3407 8.185758e+18 2020-08-17    0    0     1 <NA>      81
## 3408 8.192011e+18 2020-08-10    0    0     3    D       0
## 3409 8.193290e+18 2020-08-12    0    0    33    F      15
## 3410 8.204230e+17 2020-08-11    0    0     2    A      90
## 3411 8.211551e+18 2020-08-17    0    0     3    B      34
## 3412 8.215334e+18 2020-08-12    0    0     1    A       0
## 3413 8.221568e+18 2020-08-19    0    0    18    B       0
## 3414 8.223072e+18 2020-08-17    0    0     1    A      38
## 3415 8.223337e+18 2020-08-10    0    0     5    E      18
## 3416 8.227283e+18 2020-08-17    0    0     6    D       0
## 3417 8.230593e+18 2020-08-19    0    0     9    F     101
## 3418 8.231115e+18 2020-08-20    0    0     2    A       0
## 3419 8.231582e+18 2020-08-20    0    0    10    B       0
## 3420 8.238008e+18 2020-08-17    0    0     6    A     103
## 3421 8.239642e+17 2020-08-12    0    0     3    A       0
## 3422 8.245665e+18 2020-08-12    0    0     5    A       0
## 3423 8.248904e+17 2020-08-17    0    0     2    F       0
## 3424 8.252997e+18 2020-08-13    0    0    22    B      81
## 3425 8.262759e+18 2020-08-17    0    0     4    C      72
## 3426 8.272898e+18 2020-08-16    0    0     9    A       0
## 3427 8.282085e+18 2020-08-16    0    0     2    D       0
## 3428 8.282117e+18 2020-08-20    0    0     2    D       0
## 3429 8.287692e+18 2020-08-15    0    0     4    A       0
## 3430 8.288853e+18 2020-08-11    0    0    11    C       0
## 3431 8.292690e+18 2020-08-11    0    0     8    A      44
## 3432 8.305647e+18 2020-08-13    0    0    14    B       0
## 3433 8.313684e+18 2020-08-18    0    0     9    A       9
## 3434 8.324885e+18 2020-08-13    0    0     3    A       0
## 3435 8.332206e+18 2020-08-16    0    0     4    A       0
## 3436 8.335720e+18 2020-08-10    0    0    59    B      41
## 3437 8.337848e+18 2020-08-12    0    0     7    A     108
## 3438 8.344489e+18 2020-08-17    0    0    31    A      53
## 3439 8.345390e+18 2020-08-20    0    0     8    A      50
## 3440 8.347616e+18 2020-08-18    0    0     6    A       0
## 3441 8.350776e+18 2020-08-17    0    0     1 <NA>      29
## 3442 8.361649e+18 2020-08-19    0    0     5    C     208
## 3443 8.362061e+17 2020-08-10    1  599    29    B      41
## 3444 8.367628e+18 2020-08-18    0    0    13    F     102
## 3445 8.371797e+18 2020-08-12    0    0     5    D       0
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## 3446 8.372691e+18 2020-08-20      0     0    2     A    81
## 3447 8.374136e+18 2020-08-19      0     0    2     A    36
## 3448 8.374809e+18 2020-08-13      0     0   27     A     0
## 3449 8.385826e+18 2020-08-18      0     0   35     A    37
## 3450 8.388813e+18 2020-08-18      0     0    4     A    28
## 3451 8.390325e+18 2020-08-18      0     0    2     A    37
## 3452 8.407988e+18 2020-08-14      0     0   15     F     0
## 3453 8.409048e+18 2020-08-14      0     0    1     D    37
## 3454 8.424142e+18 2020-08-16      0     0    1     A     0
## 3455 8.427921e+18 2020-08-19      0     0   91     A     0
## 3456 8.440934e+18 2020-08-17      0     0    5     A   141
## 3457 8.441380e+18 2020-08-15      0     0   33     A    31
## 3458 8.447005e+18 2020-08-19      0     0   35     A    51
## 3459 8.447059e+18 2020-08-15      0     0    2     A    62
## 3460 8.452745e+18 2020-08-10      0     0    1     A     0
## 3461 8.454003e+18 2020-08-14      0     0   11     F   106
## 3462 8.455254e+18 2020-08-10      0     0    8     A    45
## 3463 8.455860e+17 2020-08-11      0     0   22     F    16
## 3464 8.463513e+18 2020-08-11      0     0    4     A     0
## 3465 8.469272e+18 2020-08-17      0     0   28     B    72
## 3466 8.469887e+18 2020-08-20      0     0    4     A     0
## 3467 8.472394e+18 2020-08-20      0     0   20     C     0
## 3468 8.472968e+18 2020-08-20      0     0   16     G   103
## 3469 8.473833e+18 2020-08-20      0     0    1     A    29
## 3470 8.475500e+18 2020-08-12      0     0    1     A    15
## 3471 8.484053e+18 2020-08-20      0     0   20     A     0
## 3472 8.487247e+18 2020-08-11      0     0    4     F   141
## 3473 8.487770e+18 2020-08-17      0     0    4     A     0
## 3474 8.502334e+18 2020-08-18      0     0    2     B     0
## 3475 8.502405e+16 2020-08-18      1   569    6     A    52
## 3476 8.503918e+18 2020-08-20      0     0    2     A     0
## 3477 8.505223e+18 2020-08-12      0     0   26     F    53
## 3478 8.507542e+18 2020-08-10      0     0    3     A    19
## 3479 8.507750e+17 2020-08-12      0     0    2     A     0
## 3480 8.512435e+18 2020-08-13      0     0    8     A     0
## 3481 8.512809e+18 2020-08-14      0     0   27     B     0
## 3482 8.519240e+18 2020-08-17      0     0    1     A    29
## 3483 8.525041e+18 2020-08-17      0     0    1     A    38
## 3484 8.542795e+18 2020-08-15      0     0   31     C    14
## 3485 8.544507e+18 2020-08-18      0     0    1     A     0
## 3486 8.546847e+18 2020-08-15      0     0   10     A     0
## 3487 8.553019e+18 2020-08-11      0     0    6     B     0
## 3488 8.558187e+18 2020-08-12      0     0    3     E    16
## 3489 8.559059e+18 2020-08-13      0     0   27     A     0
## 3490 8.572364e+18 2020-08-12      0     0    3     A     0
## 3491 8.572905e+18 2020-08-20      1  1499   32     A     8
## 3492 8.573840e+18 2020-08-20      0     0    7     A     0
## 3493 8.574016e+18 2020-08-18      0     0    7     A    28
## 3494 8.575745e+18 2020-08-11      0     0    4     B     0
## 3495 8.578718e+18 2020-08-16      0     0   17     F    33
## 3496 8.582187e+18 2020-08-17      0     0    2     A     0
## 3497 8.588737e+18 2020-08-12      0     0    5     G    53
## 3498 8.590432e+18 2020-08-17      0     0    2     B     0
## 3499 8.593902e+18 2020-08-15      0     0    9     A   105
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## 3500 8.602060e+18 2020-08-11          0      0     3        A       92
## 3501 8.613534e+18 2020-08-18          0      0     9        A        0
## 3502 8.615790e+18 2020-08-20          0      0     2        A      141
## 3503 8.619817e+18 2020-08-16          0      0     2        A       12
## 3504 8.620715e+18 2020-08-14          0      0    23        C        0
## 3505 8.622877e+18 2020-08-15          0      0    19        C        0
## 3506 8.630615e+18 2020-08-17          0      0     3        A        0
## 3507 8.632911e+18 2020-08-18          0      0     2        A        0
## 3508 8.634901e+17 2020-08-17          0      0    51        C       34
## 3509 8.634950e+18 2020-08-11          0      0     1        A        0
## 3510 8.646678e+18 2020-08-14          0      0     2        A       13
## 3511 8.647906e+18 2020-08-14          0      0    18        A        0
## 3512 8.651426e+18 2020-08-17          1    739   126        C        0
## 3513 8.654536e+18 2020-08-18          1    699     1        F        0
## 3514 8.655789e+18 2020-08-10          0      0    10        C       62
## 3515 8.657590e+18 2020-08-12          0      0     1        A        0
## 3516 8.658803e+18 2020-08-19          0      0     9        A       36
## 3517 8.659361e+18 2020-08-15          0      0    21        A       13
## 3518 8.662244e+18 2020-08-15          0      0    40        A       40
## 3519 8.667133e+18 2020-08-17          0      0     1        A       38
## 3520 8.668068e+18 2020-08-12          0      0     1        D       16
## 3521 8.673800e+18 2020-08-16          0      0     3        A       54
## 3522 8.677883e+18 2020-08-15          0      0     1        D        0
## 3523 8.678770e+18 2020-08-18          0      0     3        B       71
## 3524 8.681231e+18 2020-08-12          0      0     7        B       77
## 3525 8.687854e+18 2020-08-13          0      0     6        E        0
## 3526 8.701944e+15 2020-08-15          0      0     1        A        0
## 3527 8.707128e+18 2020-08-12          0      0     1        A       15
## 3528 8.707152e+17 2020-08-18          0      0     5        D        0
## 3529 8.711614e+18 2020-08-13          0      0    17        F       42
## 3530 8.739258e+18 2020-08-12          0      0     5        C       59
## 3531 8.742201e+18 2020-08-11          0      0     3        A       92
## 3532 8.744661e+18 2020-08-19          0      0     3        D       65
## 3533 8.745350e+18 2020-08-12          0      0    11        A       43
## 3534 8.752346e+18 2020-08-17          0      0    18        D       32
## 3535 8.757853e+18 2020-08-12          0      0     1        D        0
## 3536 8.759252e+18 2020-08-19          2   1578    35        C       32
## 3537 8.760185e+17 2020-08-11          0      0     4        A      141
## 3538 8.760669e+18 2020-08-20          0      0     3        C       81
## 3539 8.783313e+18 2020-08-11          1   1339    50        A       16
## 3540 8.786289e+18 2020-08-11          0      0    19        A       16
## 3541 8.788476e+18 2020-08-13          0      0     8        A       14
## 3542 8.790055e+18 2020-08-19          0      0    22        B       46
## 3543 8.794869e+18 2020-08-10          0      0     1        A        0
## 3544 8.799856e+18 2020-08-18          0      0     2        A        0
## 3545 8.809952e+18 2020-08-14          0      0     3        A        0
## 3546 8.810263e+18 2020-08-16          0      0    16        C        0
## 3547 8.823384e+18 2020-08-11          0      0     9        A        0
## 3548 8.823932e+18 2020-08-14          0      0    23        C        0
## 3549 8.824384e+18 2020-08-16          0      0     3        A       12
## 3550 8.829191e+18 2020-08-10          0      0    44        A        0
## 3551 8.830259e+18 2020-08-15          0      0     1        E        0
## 3552 8.832317e+18 2020-08-15          0      0     7        A        0
## 3553 8.837698e+17 2020-08-12          0      0     2        A        0
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## 3554 8.845209e+18 2020-08-19      0      0      3    A      0
## 3555 8.847288e+18 2020-08-13      0      0      1    A      0
## 3556 8.850687e+18 2020-08-19      0      0      3    D      0
## 3557 8.852793e+18 2020-08-19      0      0      3    B    208
## 3558 8.855921e+18 2020-08-15      0      0     11    A      0
## 3559 8.859086e+18 2020-08-17      0      0     13    A      0
## 3560 8.866757e+18 2020-08-12      0      0      5    A      0
## 3561 8.869670e+18 2020-08-10      0      0     14    C      0
## 3562 8.882804e+18 2020-08-14      0      0      3    E      0
## 3563 8.886337e+17 2020-08-16      0      0      3    A     39
## 3564 8.890768e+18 2020-08-13      0      0     21    C      0
## 3565 8.891396e+18 2020-08-11      0      0      1    A      0
## 3566 8.894885e+18 2020-08-16      0      0      2    D      0
## 3567 8.907762e+18 2020-08-13      0      0      6    A     42
## 3568 8.908233e+18 2020-08-20      0      0      8    A    141
## 3569 8.915473e+18 2020-08-14      0      0     15    F      0
## 3570 8.917064e+18 2020-08-19      0      0      5    F      0
## 3571 8.919304e+18 2020-08-11      0      0      1    A     90
## 3572 8.919599e+18 2020-08-10      0      0      8    D     65
## 3573 8.923815e+18 2020-08-13      0      0      1    A     42
## 3574 8.924188e+18 2020-08-18      0      0      2    F      0
## 3575 8.931912e+18 2020-08-11      0      0      5    A     92
## 3576 8.933929e+18 2020-08-20      0      0      2    E      0
## 3577 8.940403e+18 2020-08-15      0      0     10    F      0
## 3578 8.941127e+18 2020-08-11      0      0      2    A      0
## 3579 8.947083e+18 2020-08-18      0      0      6    A    128
## 3580 8.961811e+18 2020-08-14      0      0      2    A     65
## 3581 8.965633e+18 2020-08-18      0      0      6    A     52
## 3582 8.967250e+18 2020-08-20      0      0      1    F     26
## 3583 8.968771e+18 2020-08-15      0      0      2    D    136
## 3584 8.973100e+18 2020-08-19      0      0     43    B      0
## 3585 8.977094e+18 2020-08-14      1    549      8    A      0
## 3586 8.980079e+18 2020-08-14      0      0     13    A     14
## 3587 8.990439e+18 2020-08-10      0      0      7    D     41
## 3588 8.992087e+17 2020-08-18      0      0     11    C     71
## 3589 8.996578e+18 2020-08-18      0      0      4    D     10
## 3590 8.999932e+18 2020-08-10      0      0      1    A      0
## 3591 9.142813e+18 2020-08-14      0      0      4    B      0
## 3592 9.001728e+18 2020-08-15      0      0      1    A     40
## 3593 9.004561e+18 2020-08-20      0      0     29    B     81
## 3594 9.006144e+17 2020-08-11      0      0      2    A     18
## 3595 9.006312e+18 2020-08-11      0      0      2    A      0
## 3596 9.010411e+18 2020-08-10      0      0      8    C      0
## 3597 9.015626e+18 2020-08-20      0      0      6    A      0
## 3598 9.017642e+18 2020-08-19      0      0      1    D      0
## 3599 9.022555e+17 2020-08-15      0      0     26    C     62
## 3600 9.023294e+18 2020-08-12      0      0     20    B     53
## 3601 9.024759e+18 2020-08-20      0      0      5    C      0
## 3602 9.028005e+18 2020-08-14      0      0      1    B      0
## 3603 9.037833e+18 2020-08-15      0      0     34    B     36
## 3604 9.045284e+18 2020-08-10      0      0      5    C    208
## 3605 9.047726e+18 2020-08-12      0      0      8    A      0
## 3606 9.050610e+18 2020-08-14      0      0      3    A      0
## 3607 9.061590e+18 2020-08-10      0      0      2    A      0
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## 3608 9.061861e+18 2020-08-14          0      0      5      C      81
## 3609 9.077124e+18 2020-08-16          0      0      2      A      39
## 3610 9.077412e+18 2020-08-18          0      0      6      A       0
## 3611 9.084739e+18 2020-08-14          0      0     13   <NA>       0
## 3612 9.093942e+18 2020-08-14          0      0      4      D       0
## 3613 9.108125e+18 2020-08-13          0      0      3      B       0
## 3614 9.110496e+18 2020-08-12          0      0      3      B       0
## 3615 9.114113e+18 2020-08-20          0      0      3      A      29
## 3616 9.126195e+18 2020-08-10          0      0      4      B       0
## 3617 9.127453e+18 2020-08-14          0      0     22      C      81
## 3618 9.127668e+17 2020-08-19          0      0      6      A      70
## 3619 9.133579e+18 2020-08-10          0      0     17      A      65
## 3620 9.137444e+18 2020-08-14          0      0      7      C      51
## 3621 9.139176e+18 2020-08-13          0      0      2      G      52
## 3622 9.143400e+18 2020-08-16          0      0     23      C      30
## 3623 9.148269e+18 2020-08-14          0      0      9      A      41
## 3624 9.149014e+18 2020-08-20          0      0      6      A       0
## 3625 9.154303e+18 2020-08-16          0      0      2      E       0
## 3626 9.154760e+17 2020-08-18          0      0      4      D      71
## 3627 9.159652e+18 2020-08-18          0      0      1      A      52
## 3628 9.160976e+18 2020-08-20          0      0      5      A       0
## 3629 9.167836e+18 2020-08-12          0      0      5      A       0
## 3630 9.172686e+18 2020-08-10          0      0      3      A      45
## 3631 9.174815e+18 2020-08-17          0      0      2      A       0
## 3632 9.180842e+18 2020-08-14          0      0      2      A       0
## 3633 9.184196e+18 2020-08-20          0      0      2      C       0
## 3634 9.187753e+18 2020-08-18          0      0      2      A      37
## 3635 9.189387e+18 2020-08-13          0      0      6      A       0
## 3636 9.190266e+18 2020-08-19          1    939     44      C       0
## 3637 9.194221e+17 2020-08-17          0      0      3      G      83
## 3638 9.197518e+17 2020-08-11          0      0      2      A       0
## 3639 9.198534e+18 2020-08-14          0      0      1      A     141
## 3640 9.199312e+17 2020-08-10          0      0      1      A      45
## 3641 9.201995e+18 2020-08-19          0      0      2      A      36
## 3642 9.203847e+18 2020-08-14          0      0      8      A       0
## 3643 9.211661e+18 2020-08-16          0      0      7      A      33
## 3644 9.214252e+18 2020-08-16          0      0      6      B      81
## 3645 9.215501e+18 2020-08-11          0      0      6      A       0
## 3646 9.221085e+18 2020-08-19          0      0      4      C      70
## 3647 9.232317e+18 2020-08-19          0      0      1      E       0
## 3648 9.235771e+18 2020-08-13          0      0      4      A       0
## 3649 9.237171e+18 2020-08-12          0      0     10      A      43
## 3650 9.237470e+18 2020-08-13          0      0     11      A      15
## 3651 9.238648e+18 2020-08-15          0      0     14      A     131
## 3652 9.240907e+18 2020-08-10          0      0      5      A       0
## 3653 9.247029e+18 2020-08-10          0      0      1      A       0
## 3654 9.254134e+18 2020-08-16          0      0      4      D      49
## 3655 9.257778e+17 2020-08-13          0      0     28      A       0
## 3656 9.260333e+18 2020-08-14          0      0     42      B       0
## 3657 9.268384e+18 2020-08-10          0      0     11      D      55
## 3658 9.269710e+18 2020-08-14          0      0      1      A      15
## 3659 9.271908e+18 2020-08-11          0      0      1      E      99
## 3660 9.273439e+17 2020-08-18          0      0      3      A       0
## 3661 9.282931e+18 2020-08-16          0      0      5      D       0
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## 3662 9.283893e+18 2020-08-15        0      0     12        B       56
## 3663 9.285840e+18 2020-08-11        0      0      2        A        0
## 3664 9.286254e+18 2020-08-13        0      0      2        D      158
## 3665 9.293938e+18 2020-08-17        0      0      2        A        0
## 3666 9.298889e+18 2020-08-20        0      0      3        D        0
## 3667 9.306342e+18 2020-08-12        0      0     12        A        0
## 3668 9.309892e+18 2020-08-19        0      0      9        C       46
## 3669 9.310804e+18 2020-08-13        0      0     14        G       52
## 3670 9.319293e+18 2020-08-10        0      0      2        A       93
## 3671 9.321535e+18 2020-08-19        0      0      4        A       30
## 3672 9.325707e+18 2020-08-14        0      0      8        B       37
## 3673 9.362271e+18 2020-08-13        0      0     13        A        0
## 3674 9.362726e+18 2020-08-17        0      0     11        D      154
## 3675 9.363085e+18 2020-08-10        0      0      9        A       45
## 3676 9.370120e+18 2020-08-15        0      0      8        G      208
## 3677 9.370373e+18 2020-08-16        0      0      1        A       54
## 3678 9.372593e+18 2020-08-11        0      0     22        B        0
## 3679 9.376923e+18 2020-08-17        0      0      4        A        0
## 3680 9.377315e+18 2020-08-15        1    399     44        B       36
## 3681 9.380404e+18 2020-08-11        0      0     27        G        0
## 3682 9.382236e+18 2020-08-18        0      0     13        C        9
## 3683 9.397807e+18 2020-08-18        0      0      2        A       37
## 3684 9.404400e+18 2020-08-16        0      0     10        F        0
## 3685 9.409323e+18 2020-08-11        0      0      1        A        0
## 3686 9.413320e+18 2020-08-18        0      0      3        A        0
## 3687 9.420476e+18 2020-08-12        0      0      3        A      108
## 3688 9.423404e+18 2020-08-11        0      0      4        A        0
## 3689 9.425383e+18 2020-08-11        0      0      8        D       54
## 3690 9.426955e+18 2020-08-19        0      0      5        C      118
## 3691 9.449628e+18 2020-08-14        0      0      2        A        0
## 3692 9.457596e+18 2020-08-15        0      0      3        A        0
## 3693 9.458520e+17 2020-08-14        0      0      2        A       65
## 3694 9.463702e+18 2020-08-18        0      0      9        B       33
## 3695 9.465902e+18 2020-08-16        0      0      6        A        0
## 3696 9.469189e+18 2020-08-19        0      0     22        A       51
## 3697 9.475900e+18 2020-08-15        0      0      1        E        0
## 3698 9.477403e+18 2020-08-10        0      0     63        A       45
## 3699 9.479994e+18 2020-08-20        0      0      6        C       81
## 3700 9.481846e+18 2020-08-10        0      0      2        A       17
## 3701 9.482343e+17 2020-08-19        0      0      9        A        9
## 3702 9.482407e+18 2020-08-10        0      0     10        C       93
## 3703 9.489021e+18 2020-08-16        0      0     26        B        0
## 3704 9.499207e+18 2020-08-19        0      0      5        A        0
## 3705 9.504249e+18 2020-08-20        0      0      8        A        0
## 3706 9.506859e+18 2020-08-20        0      0      7        B        0
## 3707 9.521641e+18 2020-08-16        0      0    104        A        0
## 3708 9.525519e+18 2020-08-15        0      0     14        C       12
## 3709 9.525882e+16 2020-08-15        0      0      1        A        0
## 3710 9.527693e+18 2020-08-10        0      0      1        A        0
## 3711 9.529070e+18 2020-08-17        0      0     10        C       81
## 3712 9.541527e+18 2020-08-18        0      0     15        C       71
## 3713 9.545666e+18 2020-08-20        0      0     46        C       81
## 3714 9.546814e+18 2020-08-18        0      0     12        C       61
## 3715 9.549216e+18 2020-08-18        0      0      5        A        0
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## 3716 9.555946e+18 2020-08-19    0    0    2    D      0
## 3717 9.556788e+18 2020-08-16    0    0    1    E      0
## 3718 9.562962e+18 2020-08-19    0    0    5    A      0
## 3719 9.564457e+18 2020-08-20    0    0    3    C    208
## 3720 9.564987e+18 2020-08-14    0    0   25    A      0
## 3721 9.565658e+18 2020-08-20    0    0    7    A      0
## 3722 9.567176e+18 2020-08-17    0    0   22    F    102
## 3723 9.569770e+18 2020-08-12    0    0    4    C      0
## 3724 9.574675e+18 2020-08-13    0    0    3    B      0
## 3725 9.576185e+17 2020-08-19    0    0   24    F     32
## 3726 9.579115e+18 2020-08-10    0    0    2    A      0
## 3727 9.582277e+18 2020-08-11    0    0    2  <NA>     0
## 3728 9.587170e+18 2020-08-17    0    0   12    A     38
## 3729 9.587799e+18 2020-08-18    0    0    2    C    208
## 3730 9.590955e+18 2020-08-10    0    0   13    D      0
## 3731 9.593250e+17 2020-08-14    0    0   11    D     51
## 3732 9.595723e+18 2020-08-19    0    0    6    C      0
## 3733 9.595746e+18 2020-08-19    0    0   26    C     30
## 3734 9.596892e+18 2020-08-14    0    0    3    D     81
## 3735 9.597000e+18 2020-08-15    0    0    5    A     40
## 3736 9.597375e+17 2020-08-15    0    0    1    D      0
## 3737 9.598086e+18 2020-08-19    0    0    1    A     27
## 3738 9.599983e+18 2020-08-12    0    0    1    A     89
## 3739 9.601087e+18 2020-08-20    0    0    2    A     50
## 3740 9.602144e+18 2020-08-14    0    0    1    A      0
## 3741 9.606558e+18 2020-08-14    0    0   67    C    208
## 3742 9.610989e+18 2020-08-17    0    0    2    A      0
## 3743 9.612954e+18 2020-08-12    1  599   31    B     39
## 3744 9.616354e+18 2020-08-14    0    0    2    A     62
## 3745 9.618390e+18 2020-08-19    0    0    3    A      0
## 3746 9.622055e+18 2020-08-18    0    0    4    A      0
## 3747 9.637029e+18 2020-08-15    0    0   41    B     36
## 3748 9.640799e+18 2020-08-17    0    0    9    C     10
## 3749 9.641066e+18 2020-08-10    0    0   13    A      0
## 3750 9.643632e+17 2020-08-13    1 2159    8    A      0
## 3751 9.643767e+18 2020-08-14    0    0   38    A      0
## 3752 9.646110e+17 2020-08-18    0    0    1    A     37
## 3753 9.653617e+18 2020-08-15    0    0   11    C     56
## 3754 9.668391e+18 2020-08-11    0    0    6    A     17
## 3755 9.680330e+18 2020-08-14    0    0    1    A      0
## 3756 9.683596e+18 2020-08-16    0    0    3    A      0
## 3757 9.684289e+18 2020-08-13    0    0   34  <NA>   131
## 3758 9.694004e+18 2020-08-19    1  399   27    B     62
## 3759 9.694881e+18 2020-08-13    0    0    3    A    141
## 3760 9.694919e+17 2020-08-15    0    0    6    A      0
## 3761 9.698097e+18 2020-08-17    0    0    7    A     29
## 3762 9.698588e+18 2020-08-17    0    0    1    A     53
## 3763 9.698794e+18 2020-08-13    0    0    5    A     62
## 3764 9.703503e+17 2020-08-10    0    0    2    A     65
## 3765 9.705368e+17 2020-08-10    0    0    8    C      0
## 3766 9.724310e+18 2020-08-15    0    0    7    A     12
## 3767 9.725507e+18 2020-08-20    0    0    4    A     50
## 3768 9.733975e+17 2020-08-15    0    0    3    C     81
## 3769 9.734359e+18 2020-08-20    0    0    8    D    151
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## 3770 9.734715e+18 2020-08-13      0     0     6     A     16
## 3771 9.739745e+18 2020-08-10      0     0     5     E      0
## 3772 9.741392e+18 2020-08-10      0     0     1     A     17
## 3773 9.747345e+18 2020-08-12      0     0     8     A     43
## 3774 9.749018e+18 2020-08-16      0     0     3     D      0
## 3775 9.751373e+18 2020-08-19      0     0     3     D     32
## 3776 9.759551e+18 2020-08-18      0     0    12     B      0
## 3777 9.764724e+18 2020-08-11      0     0     1     A      0
## 3778 9.766839e+18 2020-08-18      0     0    14     F     33
## 3779 9.768571e+18 2020-08-16      0     0     1     D      0
## 3780 9.771508e+18 2020-08-19      0     0     3     D    132
## 3781 9.774974e+18 2020-08-15      0     0    50     A      0
## 3782 9.775236e+18 2020-08-19      0     0     8     C    208
## 3783 9.789319e+18 2020-08-14      0     0    44     F     51
## 3784 9.789934e+18 2020-08-14      0     0    12     A     15
## 3785 9.794741e+18 2020-08-17      0     0    51     A      0
## 3786 9.796148e+18 2020-08-10      0     0    10     C     41
## 3787 9.797702e+17 2020-08-11      0     0    36     A      0
## 3788 9.800749e+18 2020-08-14      0     0     5     A     13
## 3789 9.804677e+17 2020-08-17      0     0    19     B     62
## 3790 9.810002e+18 2020-08-18      0     0    10     A     52
## 3791 9.814040e+18 2020-08-18      0     0     2     B      0
## 3792 9.820122e+17 2020-08-15      0     0     1     A     65
## 3793 9.841824e+18 2020-08-13      0     0     5     A      0
## 3794 9.844385e+18 2020-08-18      0     0     3     D    105
## 3795 9.844880e+18 2020-08-16      0     0     7     C     49
## 3796 9.849045e+18 2020-08-17      0     0     4     A    103
## 3797 9.851045e+18 2020-08-17      0     0     2     A     53
## 3798 9.856580e+17 2020-08-19      0     0    13     B     70
## 3799 9.859422e+18 2020-08-18      0     0     1     A      0
## 3800 9.860247e+18 2020-08-14      0     0     1     A     14
## 3801 9.861684e+18 2020-08-12      0     0     4     A     59
## 3802 9.869589e+18 2020-08-13      0     0     3     A      0
## 3803 9.879206e+18 2020-08-17      0     0     1     A      0
## 3804 9.884531e+18 2020-08-11      0     0    18     C     18
## 3805 9.893659e+18 2020-08-15      0     0     1     B      0
## 3806 9.898054e+18 2020-08-10      0     0     4     A     62
## 3807 9.898356e+18 2020-08-17      0     0    10     A      0
## 3808 9.898972e+18 2020-08-14      1   679     2     A      0
## 3809 9.901833e+18 2020-08-13      0     0    21     A      0
## 3810 9.902522e+18 2020-08-17      0     0     2     A      0
## 3811 9.903956e+18 2020-08-18      0     0     3     A     52
## 3812 9.910829e+18 2020-08-11      0     0     5     A    109
## 3813 9.911746e+18 2020-08-15      0     0     2     A      0
## 3814 9.918529e+17 2020-08-19      0     0     1     E      0
## 3815 9.922261e+18 2020-08-13      0     0     1     C     58
## 3816 9.925305e+18 2020-08-10      1   209    18     D    161
## 3817 9.929637e+18 2020-08-18      0     0    34     C     33
## 3818 9.932056e+18 2020-08-17      0     0     2     A     32
## 3819 9.934800e+18 2020-08-14      0     0    13     C      0
## 3820 9.937194e+18 2020-08-13      0     0     6     F      0
## 3821 9.938888e+18 2020-08-14      0     0     1     A     41
## 3822 9.941006e+18 2020-08-20      0     0    31     F     31
## 3823 9.944224e+18 2020-08-11      0     0     1     A     16
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## 3824 9.949873e+18 2020-08-20          0     0      1       A       35
## 3825 9.952553e+18 2020-08-11          0     0      5       D       54
## 3826 9.957508e+18 2020-08-10          0     0      4       A      110
## 3827 9.962647e+18 2020-08-13          0     0      3       D       52
## 3828 9.963923e+18 2020-08-17          0     0      9       F        0
## 3829 9.967963e+18 2020-08-16          0     0      8       C       55
## 3830 9.969404e+18 2020-08-17          0     0      3       B      141
## 3831 9.973236e+18 2020-08-15          0     0      2    <NA>       31
## 3832 9.979839e+18 2020-08-13          0     0      5       A        0
## 3833 9.981237e+18 2020-08-10          0     0     27       C       41
## 3834 9.984243e+18 2020-08-12          0     0      2       A        0
## 3835 9.986856e+18 2020-08-17          0     0      6       A       72
## 3836 9.992661e+18 2020-08-14          0     0      5       A        0
## 3837 9.999647e+18 2020-08-17          0     0      3       B        0
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## 632      0.000000000
## 633      0.000000000
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## 679    0.000000000
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## 686    0.000000000
## 687    0.000000000
```

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## 688    0.000000000
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## 712    0.000000000
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## 741    0.000000000
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## 795      0.000000000
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## 849      0.000000000
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## 850         0.000000000
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## 872         0.000000000
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## 876         0.000000000
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## 878         0.000000000
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## 880         0.000000000
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## 882         0.000000000
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## 901         0.000000000
## 902         0.000000000
## 903         0.000000000
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## 904    0.000000000
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## 950    0.000000000
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## 952    0.000000000
## 953    0.000000000
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## 955    0.000000000
## 956    0.000000000
## 957    0.000000000
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## 958    0.000000000
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## 980    0.000000000
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## 984    0.000000000
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## 986    0.000000000
## 987    0.000000000
## 988    0.000000000
## 989    0.083333333
## 990    0.090909091
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## 994    0.000000000
## 995    0.000000000
## 996    0.025000000
## 997    0.000000000
## 998    0.000000000
## 999    0.000000000
## 1000   0.000000000
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## 1008   0.000000000
## 1009   0.000000000
## 1010   0.000000000
## 1011   0.000000000
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## 1012     0.000000000
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## 1053     0.000000000
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## 1062     0.000000000
## 1063     0.000000000
## 1064     0.022222222
## 1065     0.000000000
```

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## 1066      0.000000000
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## 1080      0.000000000
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## 1083      0.000000000
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## 1089      0.000000000
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## 1091      0.000000000
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## 1110      0.000000000
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## 1119      0.041666667
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## 1139    0.000000000
## 1140    0.000000000
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## 1163    0.000000000
## 1164    0.000000000
## 1165    0.000000000
## 1166    0.090909091
## 1167    0.000000000
## 1168    0.000000000
## 1169    0.000000000
## 1170    0.000000000
## 1171    0.000000000
## 1172    0.000000000
## 1173    0.076923077
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## 1184    0.000000000
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## 1189    0.000000000
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## 1227    0.000000000
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## 1280    0.000000000
## 1281    0.000000000
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## 1282        0.000000000
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## 1929      0.000000000
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## 3744     0.000000000
## 3745     0.000000000
## 3746     0.000000000
## 3747     0.000000000
## 3748     0.000000000
## 3749     0.000000000
## 3750     0.125000000
## 3751     0.000000000
## 3752     0.000000000
## 3753     0.000000000
## 3754     0.000000000
## 3755     0.000000000
## 3756     0.000000000
## 3757     0.000000000
## 3758     0.037037037
## 3759     0.000000000
## 3760     0.000000000
## 3761     0.000000000
## 3762     0.000000000
## 3763     0.000000000
## 3764     0.000000000
## 3765     0.000000000
```

```
## 3766      0.000000000
## 3767      0.000000000
## 3768      0.000000000
## 3769      0.000000000
## 3770      0.000000000
## 3771      0.000000000
## 3772      0.000000000
## 3773      0.000000000
## 3774      0.000000000
## 3775      0.000000000
## 3776      0.000000000
## 3777      0.000000000
## 3778      0.000000000
## 3779      0.000000000
## 3780      0.000000000
## 3781      0.000000000
## 3782      0.000000000
## 3783      0.000000000
## 3784      0.000000000
## 3785      0.000000000
## 3786      0.000000000
## 3787      0.000000000
## 3788      0.000000000
## 3789      0.000000000
## 3790      0.000000000
## 3791      0.000000000
## 3792      0.000000000
## 3793      0.000000000
## 3794      0.000000000
## 3795      0.000000000
## 3796      0.000000000
## 3797      0.000000000
## 3798      0.000000000
## 3799      0.000000000
## 3800      0.000000000
## 3801      0.000000000
## 3802      0.000000000
## 3803      0.000000000
## 3804      0.000000000
## 3805      0.000000000
## 3806      0.000000000
## 3807      0.000000000
## 3808      0.500000000
## 3809      0.000000000
## 3810      0.000000000
## 3811      0.000000000
## 3812      0.000000000
## 3813      0.000000000
## 3814      0.000000000
## 3815      0.000000000
## 3816      0.055555556
## 3817      0.000000000
## 3818      0.000000000
## 3819      0.000000000
```

```
## 3820     0.000000000
## 3821     0.000000000
## 3822     0.000000000
## 3823     0.000000000
## 3824     0.000000000
## 3825     0.000000000
## 3826     0.000000000
## 3827     0.000000000
## 3828     0.000000000
## 3829     0.000000000
## 3830     0.000000000
## 3831     0.000000000
## 3832     0.000000000
## 3833     0.000000000
## 3834     0.000000000
## 3835     0.000000000
## 3836     0.000000000
## 3837     0.000000000
```

```r
# Calculate correlation
correlation <- cor(cleaned_data$leadtime, cleaned_data$conversion_rate)
correlation
```

```
## [1] -0.03005168
```

```r
# Fit linear regression model
model <- lm(conversion_rate ~ leadtime, data = cleaned_data)
summary(model)
```

```
##
## Call:
## lm(formula = conversion_rate ~ leadtime, data = cleaned_data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.00461 -0.00461 -0.00422 -0.00325  0.99578
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  4.609e-03  7.632e-04   6.040 1.69e-09 ***
## leadtime    -2.464e-05  1.323e-05  -1.862   0.0627 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.03803 on 3835 degrees of freedom
## Multiple R-squared:  0.0009031,  Adjusted R-squared:  0.0006426
## F-statistic: 3.467 on 1 and 3835 DF,  p-value: 0.0627
```

```r
# Group by category and calculate mean lead time and conversion rate
category_summary <- cleaned_data %>%
  group_by(category) %>%
  summarise(mean_leadtime = mean(leadtime),
            mean_conversion_rate = mean(conversion_rate))
```

```
category_summary
```

```
## # A tibble: 8 x 3
##   category mean_leadtime mean_conversion_rate
##   <chr>            <dbl>                <dbl>
## 1 A                 26.6              0.00318
## 2 B                 37.9              0.00407
## 3 C                 44.9              0.00285
## 4 D                 37.6              0.00493
## 5 E                 17.1              0.00498
## 6 F                 41.7              0.0122
## 7 G                 91.8              0.00260
## 8 <NA>              26.8              0
```

```r
# Scatterplot of lead time vs conversion rate
ggplot(cleaned_data, aes(x = leadtime, y = conversion_rate)) +
  geom_point() +
  geom_smooth(method = "lm", se = FALSE) +
  labs(title = "Lead Time vs Conversion Rate",
       x = "Lead Time (days)",
       y = "Conversion Rate")
```

```
## `geom_smooth()` using formula = 'y ~ x'
```
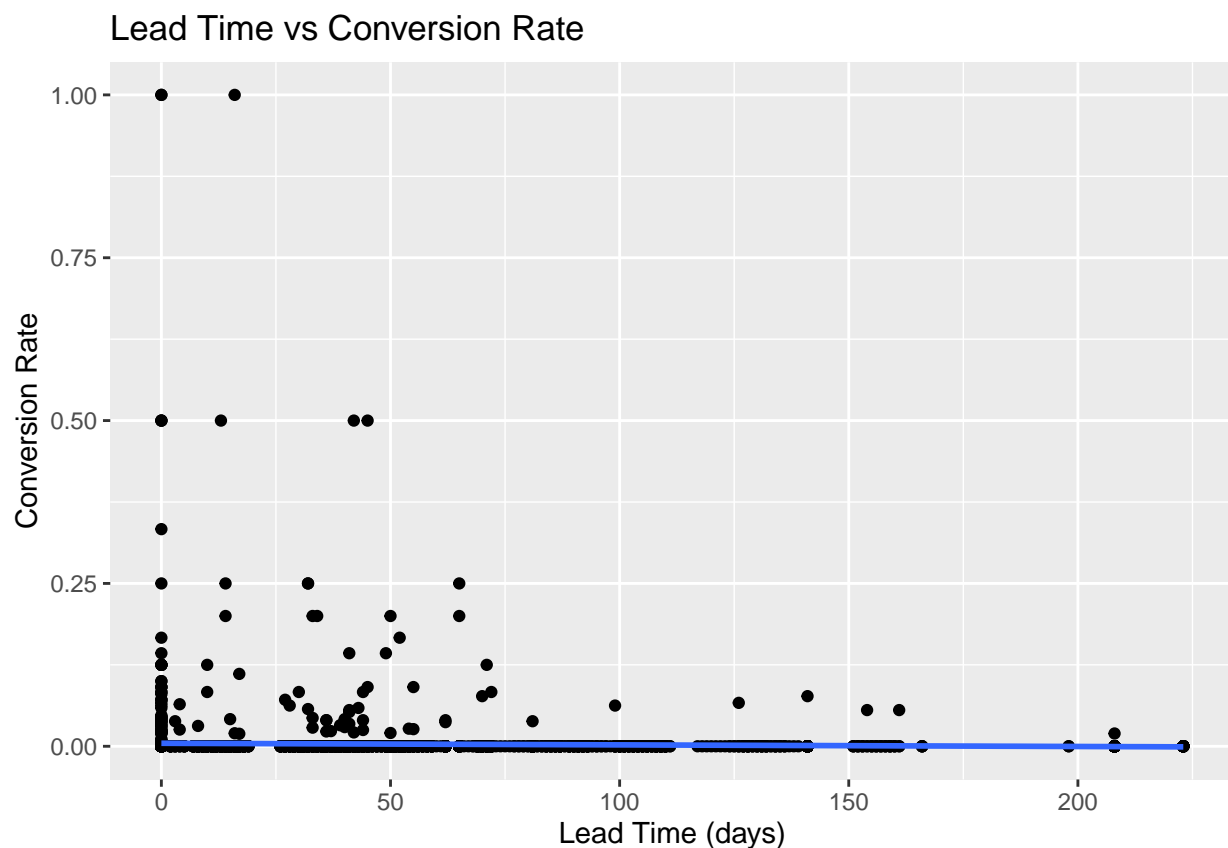
```r
# Bar plot of mean lead time and conversion rate by category
ggplot(category_summary, aes(x = category)) +
  geom_bar(aes(y = mean_leadtime), stat = "identity", fill = "blue", alpha = 0.5) +
  geom_bar(aes(y = mean_conversion_rate), stat = "identity", fill = "red", alpha = 0.5) +
  labs(title = "Mean Lead Time and Conversion Rate by Category",
       x = "Category",
       y = "Value") +
  scale_fill_manual(values = c("blue", "red"), labels = c("Mean Lead Time", "Mean Conversion Rate")) +
  theme(legend.position = "bottom") +
  guides(fill = guide_legend(title = "Metric"))
```


Mean Lead Time and Conversion Rate by Category
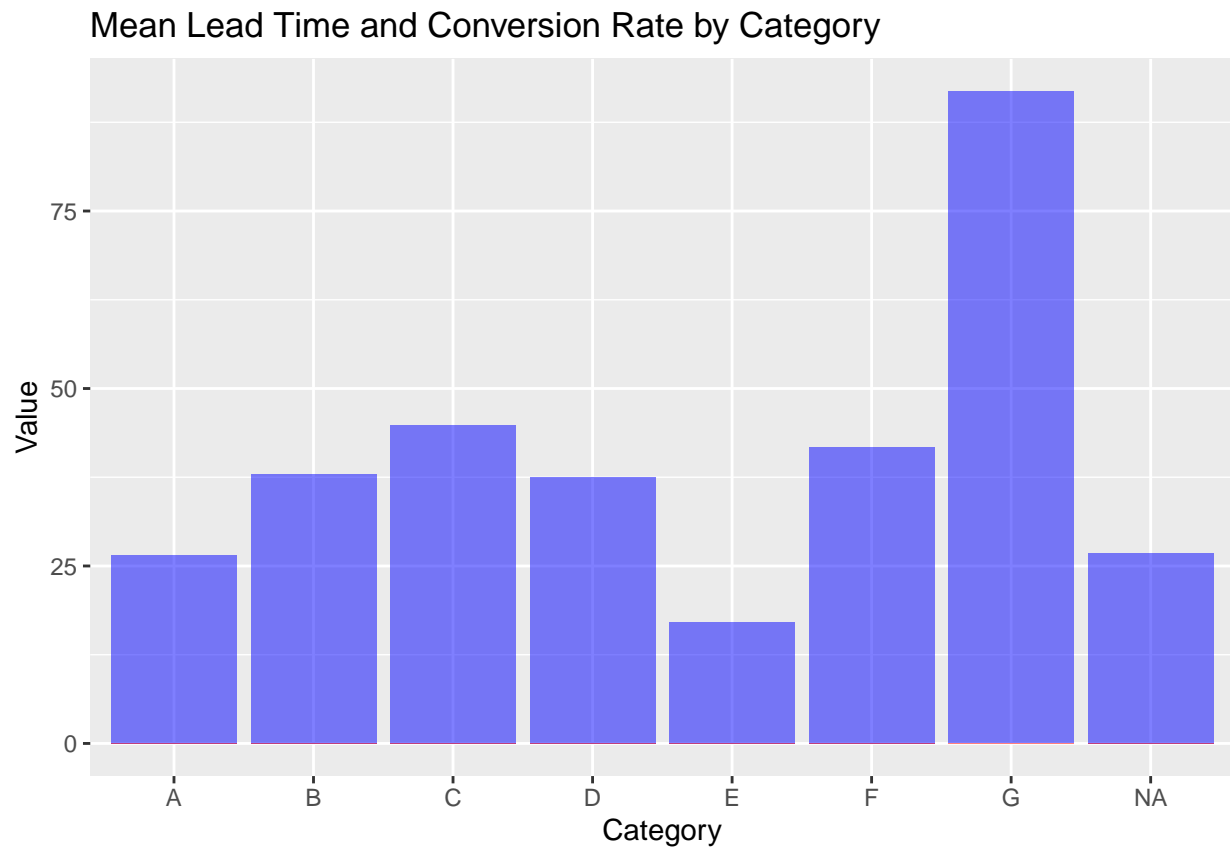
```r
# Box plots of lead time and conversion rate by category
ggplot(cleaned_data, aes(x = category)) +
  geom_boxplot(aes(y = leadtime), fill = "blue", alpha = 0.5) +
  geom_boxplot(aes(y = conversion_rate), fill = "red", alpha = 0.5) +
  labs(title = "Box Plots of Lead Time and Conversion Rate by Category",
       x = "Category",
       y = "Value") +
  scale_fill_manual(values = c("blue", "red"), labels = c("Lead Time", "Conversion Rate")) +
  theme(legend.position = "bottom") +
  guides(fill = guide_legend(title = "Metric"))
```

Box Plots of Lead Time and Conversion Rate by Category
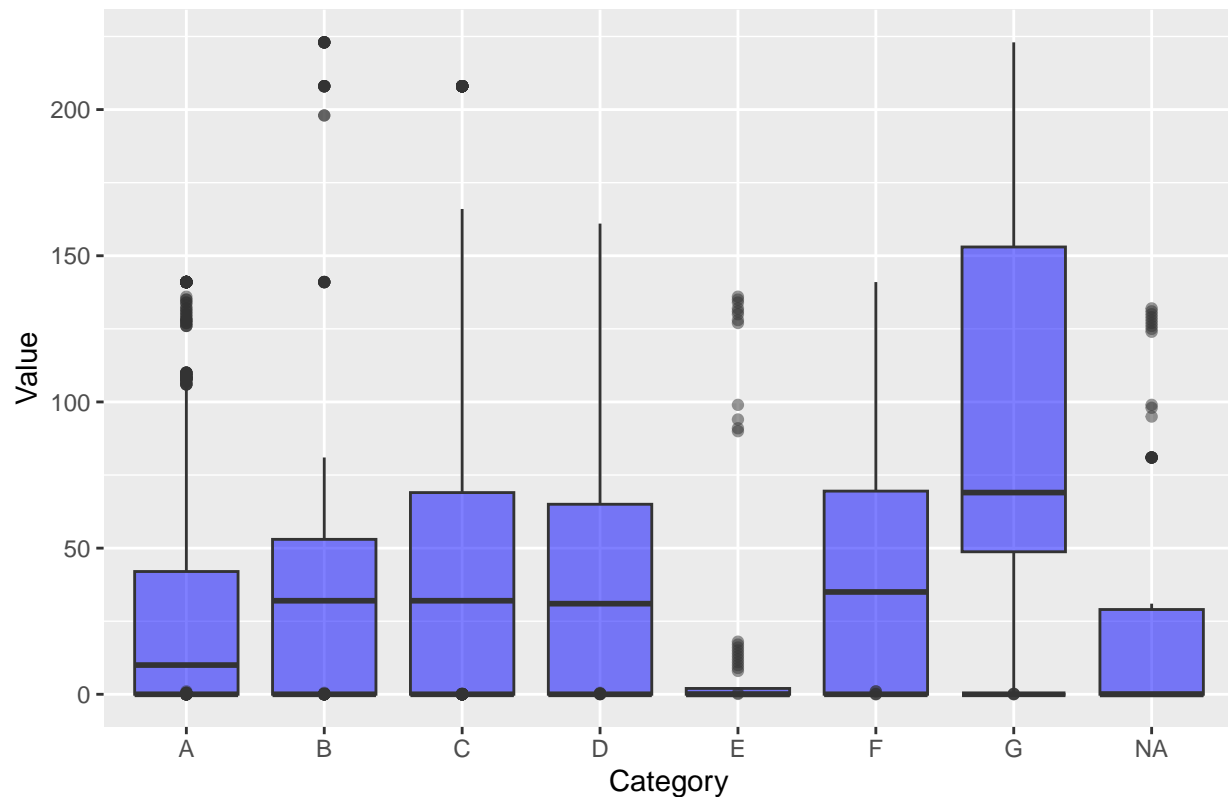

```
# Side-by-side bar plots of mean lead time and conversion rate by category
category_summary %>%
  gather(key = "metric", value = "value", -category) %>%
  ggplot(aes(x = category, y = value, fill = metric)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(title = "Mean Lead Time and Conversion Rate by Category",
       x = "Category",
       y = "Value") +
  scale_fill_manual(values = c("blue", "red"), labels = c("Mean Lead Time", "Mean Conversion Rate")) +
  theme(legend.position = "bottom") +
  guides(fill = guide_legend(title = "Metric"))
```

Mean Lead Time and Conversion Rate by Category
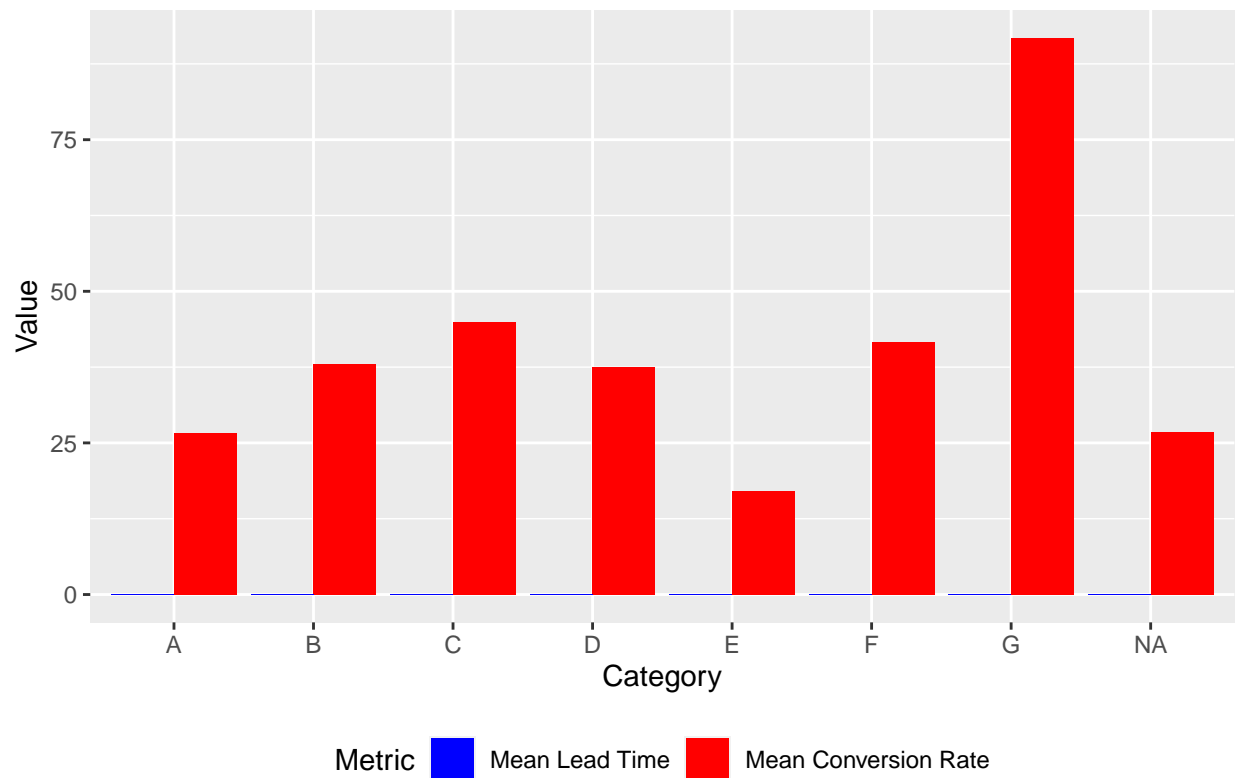

```r
# Scatterplot of lead time vs conversion rate, colored by category
ggplot(cleaned_data, aes(x = leadtime, y = conversion_rate, color = category)) +
  geom_point() +
  labs(title = "Lead Time vs Conversion Rate by Category",
       x = "Lead Time (days)",
       y = "Conversion Rate") +
  theme(legend.position = "bottom") +
  guides(color = guide_legend(title = "Category"))
```

Lead Time vs Conversion Rate by Category