First Year Exam Q15

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2022-07-15

importing data

```
variants_data <- read.csv('covid19_variants.csv')
variants_data
```

```
##          date        area area_type variant_name specimens percentage
## 1  2021-01-01 California     State        Alpha         1       1.69
## 2  2021-01-01 California     State         Beta         0       0.00
## 3  2021-01-01 California     State           Mu         0       0.00
## 4  2021-01-01 California     State        Gamma         0       0.00
## 5  2021-01-01 California     State        Total        59     100.00
## 6  2021-01-01 California     State      Omicron         1       1.69
## 7  2021-01-01 California     State      Epsilon        28      47.46
## 8  2021-01-01 California     State        Delta         0       0.00
## 9  2021-01-01 California     State       Lambda         0       0.00
## 10 2021-01-01 California     State        Other        29      49.15
## 11 2021-01-02 California     State           Mu         0       0.00
## 12 2021-01-02 California     State        Delta         1       0.93
## 13 2021-01-02 California     State        Other        53      49.53
## 14 2021-01-02 California     State      Omicron         1       0.93
## 15 2021-01-02 California     State       Lambda         0       0.00
## 16 2021-01-02 California     State         Beta         0       0.00
## 17 2021-01-02 California     State        Gamma         0       0.00
## 18 2021-01-02 California     State      Epsilon        46      42.99
## 19 2021-01-02 California     State        Total       107     100.00
## 20 2021-01-02 California     State        Alpha         6       5.61
## 21 2021-01-03 California     State        Alpha         5       1.87
## 22 2021-01-03 California     State           Mu         0       0.00
## 23 2021-01-03 California     State        Delta         2       0.75
## 24 2021-01-03 California     State      Epsilon       117      43.82
## 25 2021-01-03 California     State         Beta         0       0.00
## 26 2021-01-03 California     State       Lambda         0       0.00
## 27 2021-01-03 California     State        Gamma         1       0.37
## 28 2021-01-03 California     State        Total       267     100.00
## 29 2021-01-03 California     State      Omicron         2       0.75
## 30 2021-01-03 California     State        Other       140      52.43
## 31 2021-01-04 California     State       Lambda         0       0.00
## 32 2021-01-04 California     State      Omicron         0       0.00
## 33 2021-01-04 California     State           Mu         0       0.00
## 34 2021-01-04 California     State        Alpha         5       0.40
```

```
## 35   2021-01-04 California        State       Other     558     44.29
## 36   2021-01-04 California        State       Delta       5      0.40
## 37   2021-01-04 California        State       Gamma       0      0.00
## 38   2021-01-04 California        State       Total    1260    100.00
## 39   2021-01-04 California        State     Epsilon     692     54.92
## 40   2021-01-04 California        State        Beta       0      0.00
## 41   2021-01-05 California        State     Omicron       0      0.00
## 42   2021-01-05 California        State       Other     356     43.90
## 43   2021-01-05 California        State       Gamma       0      0.00
## 44   2021-01-05 California        State          Mu       0      0.00
## 45   2021-01-05 California        State       Delta       0      0.00
## 46   2021-01-05 California        State     Epsilon     439     54.13
## 47   2021-01-05 California        State       Total     811    100.00
## 48   2021-01-05 California        State        Beta       0      0.00
## 49   2021-01-05 California        State       Alpha      16      1.97
## 50   2021-01-05 California        State      Lambda       0      0.00
## 51   2021-01-06 California        State      Lambda       0      0.00
## 52   2021-01-06 California        State     Omicron       2      0.54
## 53   2021-01-06 California        State     Epsilon     207     55.95
## 54   2021-01-06 California        State          Mu       0      0.00
## 55   2021-01-06 California        State       Delta       3      0.81
## 56   2021-01-06 California        State        Beta       0      0.00
## 57   2021-01-06 California        State       Gamma       0      0.00
## 58   2021-01-06 California        State       Other     155     41.89
## 59   2021-01-06 California        State       Alpha       3      0.81
## 60   2021-01-06 California        State       Total     370    100.00
## 61   2021-01-07 California        State       Other     127     42.47
## 62   2021-01-07 California        State       Gamma       0      0.00
## 63   2021-01-07 California        State        Beta       0      0.00
## 64   2021-01-07 California        State     Epsilon     155     51.84
## 65   2021-01-07 California        State      Lambda       0      0.00
## 66   2021-01-07 California        State       Total     299    100.00
## 67   2021-01-07 California        State          Mu       0      0.00
## 68   2021-01-07 California        State       Delta       0      0.00
## 69   2021-01-07 California        State     Omicron       2      0.67
## 70   2021-01-07 California        State       Alpha      15      5.02
## 71   2021-01-08 California        State        Beta       0      0.00
## 72   2021-01-08 California        State       Total     147    100.00
## 73   2021-01-08 California        State       Alpha       2      1.36
## 74   2021-01-08 California        State       Other      65     44.22
## 75   2021-01-08 California        State      Lambda       0      0.00
## 76   2021-01-08 California        State     Omicron       0      0.00
## 77   2021-01-08 California        State     Epsilon      78     53.06
## 78   2021-01-08 California        State          Mu       0      0.00
## 79   2021-01-08 California        State       Delta       2      1.36
## 80   2021-01-08 California        State       Gamma       0      0.00
## 81   2021-01-09 California        State      Lambda       0      0.00
## 82   2021-01-09 California        State        Beta       0      0.00
## 83   2021-01-09 California        State       Alpha       6      1.12
## 84   2021-01-09 California        State          Mu       0      0.00
## 85   2021-01-09 California        State       Other     220     41.12
## 86   2021-01-09 California        State       Gamma       0      0.00
## 87   2021-01-09 California        State     Epsilon     307     57.38
## 88   2021-01-09 California        State       Total     535    100.00
```

```
## 89  2021-01-09 California       State       Delta      1     0.19
## 90  2021-01-09 California       State      Omicron      1     0.19
## 91  2021-01-10 California       State      Lambda      0     0.00
## 92  2021-01-10 California       State      Omicron      1     0.62
## 93  2021-01-10 California       State       Other     69    43.12
## 94  2021-01-10 California       State       Total    160   100.00
## 95  2021-01-10 California       State       Delta      0     0.00
## 96  2021-01-10 California       State      Epsilon     90    56.25
## 97  2021-01-10 California       State       Gamma      0     0.00
## 98  2021-01-10 California       State       Alpha      0     0.00
## 99  2021-01-10 California       State         Mu      0     0.00
## 100 2021-01-10 California       State        Beta      0     0.00
## 101 2021-01-11 California       State       Alpha      8     1.41
## 102 2021-01-11 California       State        Beta      1     0.18
## 103 2021-01-11 California       State      Epsilon    273    48.23
## 104 2021-01-11 California       State       Other    279    49.29
## 105 2021-01-11 California       State       Gamma      0     0.00
## 106 2021-01-11 California       State         Mu      1     0.18
## 107 2021-01-11 California       State       Total    566   100.00
## 108 2021-01-11 California       State      Lambda      0     0.00
## 109 2021-01-11 California       State       Delta      2     0.35
## 110 2021-01-11 California       State      Omicron      2     0.35
## 111 2021-01-12 California       State        Beta      0     0.00
## 112 2021-01-12 California       State       Total    556   100.00
## 113 2021-01-12 California       State       Other    241    43.35
## 114 2021-01-12 California       State      Lambda      0     0.00
## 115 2021-01-12 California       State       Gamma      1     0.18
## 116 2021-01-12 California       State      Omicron      0     0.00
## 117 2021-01-12 California       State         Mu      0     0.00
## 118 2021-01-12 California       State       Alpha      9     1.62
## 119 2021-01-12 California       State       Delta      1     0.18
## 120 2021-01-12 California       State      Epsilon    304    54.68
## 121 2021-01-13 California       State       Alpha      9     1.55
## 122 2021-01-13 California       State      Epsilon    339    58.55
## 123 2021-01-13 California       State       Total    579   100.00
## 124 2021-01-13 California       State       Delta      1     0.17
## 125 2021-01-13 California       State      Omicron      2     0.35
## 126 2021-01-13 California       State       Other    228    39.38
## 127 2021-01-13 California       State       Gamma      0     0.00
## 128 2021-01-13 California       State        Beta      0     0.00
## 129 2021-01-13 California       State         Mu      0     0.00
## 130 2021-01-13 California       State      Lambda      0     0.00
## 131 2021-01-14 California       State       Total    674   100.00
## 132 2021-01-14 California       State      Omicron      0     0.00
## 133 2021-01-14 California       State         Mu      0     0.00
## 134 2021-01-14 California       State      Lambda      0     0.00
## 135 2021-01-14 California       State       Alpha     14     2.08
## 136 2021-01-14 California       State        Beta      0     0.00
## 137 2021-01-14 California       State       Delta      0     0.00
## 138 2021-01-14 California       State       Gamma      0     0.00
## 139 2021-01-14 California       State      Epsilon    425    63.06
## 140 2021-01-14 California       State       Other    235    34.87
## 141 2021-01-15 California       State         Mu      0     0.00
## 142 2021-01-15 California       State       Other    238    41.90
```

```
## 143  2021-01-15 California        State        Beta      0      0.00
## 144  2021-01-15 California        State      Omicron     0      0.00
## 145  2021-01-15 California        State      Epsilon    320     56.34
## 146  2021-01-15 California        State       Alpha      8      1.41
## 147  2021-01-15 California        State       Total     568    100.00
## 148  2021-01-15 California        State      Lambda      0      0.00
## 149  2021-01-15 California        State       Delta      2      0.35
## 150  2021-01-15 California        State       Gamma      0      0.00
## 151  2021-01-16 California        State      Lambda      0      0.00
## 152  2021-01-16 California        State      Epsilon    389     52.93
## 153  2021-01-16 California        State       Delta      0      0.00
## 154  2021-01-16 California        State      Omicron     0      0.00
## 155  2021-01-16 California        State       Alpha     17      2.31
## 156  2021-01-16 California        State        Beta      0      0.00
## 157  2021-01-16 California        State        Mu        0      0.00
## 158  2021-01-16 California        State       Total     735    100.00
## 159  2021-01-16 California        State       Gamma      0      0.00
## 160  2021-01-16 California        State       Other     329     44.76
## 161  2021-01-17 California        State       Alpha      3      0.96
## 162  2021-01-17 California        State       Total     314    100.00
## 163  2021-01-17 California        State      Epsilon    182     57.96
## 164  2021-01-17 California        State      Omicron     0      0.00
## 165  2021-01-17 California        State        Beta      0      0.00
## 166  2021-01-17 California        State       Delta      0      0.00
## 167  2021-01-17 California        State       Other     128     40.76
## 168  2021-01-17 California        State       Gamma      1      0.32
## 169  2021-01-17 California        State      Lambda      0      0.00
## 170  2021-01-17 California        State        Mu        0      0.00
## 171  2021-01-18 California        State      Epsilon    430     57.56
## 172  2021-01-18 California        State      Lambda      0      0.00
## 173  2021-01-18 California        State        Beta      0      0.00
## 174  2021-01-18 California        State       Delta      1      0.13
## 175  2021-01-18 California        State        Mu        0      0.00
## 176  2021-01-18 California        State       Total     747    100.00
## 177  2021-01-18 California        State       Alpha     13      1.74
## 178  2021-01-18 California        State      Omicron     0      0.00
## 179  2021-01-18 California        State       Other     303     40.56
## 180  2021-01-18 California        State       Gamma      0      0.00
## 181  2021-01-19 California        State        Beta      0      0.00
## 182  2021-01-19 California        State      Lambda      0      0.00
## 183  2021-01-19 California        State        Mu        0      0.00
## 184  2021-01-19 California        State       Other     516     42.57
## 185  2021-01-19 California        State       Alpha     19      1.57
## 186  2021-01-19 California        State       Gamma      0      0.00
## 187  2021-01-19 California        State       Delta      1      0.08
## 188  2021-01-19 California        State       Total    1212    100.00
## 189  2021-01-19 California        State      Epsilon    675     55.69
## 190  2021-01-19 California        State      Omicron     1      0.08
## 191  2021-01-20 California        State        Beta      0      0.00
## 192  2021-01-20 California        State       Delta      0      0.00
## 193  2021-01-20 California        State       Alpha     15      5.98
## 194  2021-01-20 California        State       Gamma      1      0.40
## 195  2021-01-20 California        State       Other     78      31.08
## 196  2021-01-20 California        State        Mu        0      0.00
```

```
## 197  2021-01-20 California       State       Lambda     0      0.00
## 198  2021-01-20 California       State      Epsilon    157     62.55
## 199  2021-01-20 California       State        Total    251    100.00
## 200  2021-01-20 California       State      Omicron      0      0.00
## 201  2021-01-21 California       State       Lambda      0      0.00
## 202  2021-01-21 California       State        Delta      1      1.14
## 203  2021-01-21 California       State      Epsilon     43     48.86
## 204  2021-01-21 California       State           Mu      0      0.00
## 205  2021-01-21 California       State      Omicron      0      0.00
## 206  2021-01-21 California       State        Total     88    100.00
## 207  2021-01-21 California       State         Beta      0      0.00
## 208  2021-01-21 California       State        Gamma      0      0.00
## 209  2021-01-21 California       State        Other     17     19.32
## 210  2021-01-21 California       State        Alpha     27     30.68
## 211  2021-01-22 California       State       Lambda      0      0.00
## 212  2021-01-22 California       State        Other     12     25.00
## 213  2021-01-22 California       State           Mu      0      0.00
## 214  2021-01-22 California       State        Delta      1      2.08
## 215  2021-01-22 California       State      Epsilon     28     58.33
## 216  2021-01-22 California       State        Gamma      0      0.00
## 217  2021-01-22 California       State        Total     48    100.00
## 218  2021-01-22 California       State        Alpha      7     14.58
## 219  2021-01-22 California       State         Beta      0      0.00
## 220  2021-01-22 California       State      Omicron      0      0.00
## 221  2021-01-23 California       State        Total     26    100.00
## 222  2021-01-23 California       State        Alpha     11     42.31
## 223  2021-01-23 California       State         Beta      0      0.00
## 224  2021-01-23 California       State           Mu      0      0.00
## 225  2021-01-23 California       State        Delta      0      0.00
## 226  2021-01-23 California       State      Epsilon     11     42.31
## 227  2021-01-23 California       State        Gamma      0      0.00
## 228  2021-01-23 California       State        Other      4     15.38
## 229  2021-01-23 California       State       Lambda      0      0.00
## 230  2021-01-23 California       State      Omicron      0      0.00
## 231  2021-01-24 California       State        Other      4      8.70
## 232  2021-01-24 California       State       Lambda      0      0.00
## 233  2021-01-24 California       State      Epsilon     35     76.09
## 234  2021-01-24 California       State         Beta      0      0.00
## 235  2021-01-24 California       State      Omicron      0      0.00
## 236  2021-01-24 California       State        Total     46    100.00
## 237  2021-01-24 California       State        Alpha      7     15.22
## 238  2021-01-24 California       State        Gamma      0      0.00
## 239  2021-01-24 California       State           Mu      0      0.00
## 240  2021-01-24 California       State        Delta      0      0.00
## 241  2021-01-25 California       State         Beta      0      0.00
## 242  2021-01-25 California       State        Other     32     38.10
## 243  2021-01-25 California       State       Lambda      0      0.00
## 244  2021-01-25 California       State        Gamma      0      0.00
## 245  2021-01-25 California       State        Delta      0      0.00
## 246  2021-01-25 California       State      Omicron      0      0.00
## 247  2021-01-25 California       State        Total     84    100.00
## 248  2021-01-25 California       State           Mu      0      0.00
## 249  2021-01-25 California       State      Epsilon     48     57.14
## 250  2021-01-25 California       State        Alpha      4      4.76
```

```
## 251  2021-01-26 California          State         Delta      1      0.17
## 252  2021-01-26 California          State         Gamma      0      0.00
## 253  2021-01-26 California          State       Epsilon    347     60.45
## 254  2021-01-26 California          State          Beta      0      0.00
## 255  2021-01-26 California          State        Omicron      0      0.00
## 256  2021-01-26 California          State            Mu      0      0.00
## 257  2021-01-26 California          State         Alpha      9      1.57
## 258  2021-01-26 California          State         Other    217     37.80
## 259  2021-01-26 California          State        Lambda      0      0.00
## 260  2021-01-26 California          State         Total    574    100.00
## 261  2021-01-27 California          State        Omicron      0      0.00
## 262  2021-01-27 California          State            Mu      0      0.00
## 263  2021-01-27 California          State        Lambda      0      0.00
## 264  2021-01-27 California          State         Other    230     32.76
## 265  2021-01-27 California          State       Epsilon    459     65.38
## 266  2021-01-27 California          State         Delta      1      0.14
## 267  2021-01-27 California          State         Gamma      0      0.00
## 268  2021-01-27 California          State         Alpha     12      1.71
## 269  2021-01-27 California          State         Total    702    100.00
## 270  2021-01-27 California          State          Beta      0      0.00
## 271  2021-01-28 California          State         Other    305     35.14
## 272  2021-01-28 California          State         Alpha     26      3.00
## 273  2021-01-28 California          State        Lambda      0      0.00
## 274  2021-01-28 California          State        Omicron      0      0.00
## 275  2021-01-28 California          State          Beta      2      0.23
## 276  2021-01-28 California          State            Mu      0      0.00
## 277  2021-01-28 California          State         Delta      1      0.12
## 278  2021-01-28 California          State         Gamma      3      0.35
## 279  2021-01-28 California          State         Total    868    100.00
## 280  2021-01-28 California          State       Epsilon    531     61.18
## 281  2021-01-29 California          State        Lambda      0      0.00
## 282  2021-01-29 California          State          Beta      0      0.00
## 283  2021-01-29 California          State         Total    211    100.00
## 284  2021-01-29 California          State         Other     53     25.12
## 285  2021-01-29 California          State            Mu      0      0.00
## 286  2021-01-29 California          State        Omicron      0      0.00
## 287  2021-01-29 California          State         Delta      1      0.47
## 288  2021-01-29 California          State         Alpha     10      4.74
## 289  2021-01-29 California          State       Epsilon    145     68.72
## 290  2021-01-29 California          State         Gamma      2      0.95
## 291  2021-01-30 California          State         Alpha      2      1.85
## 292  2021-01-30 California          State        Lambda      0      0.00
## 293  2021-01-30 California          State         Delta      0      0.00
## 294  2021-01-30 California          State        Omicron      0      0.00
## 295  2021-01-30 California          State         Other     27     25.00
## 296  2021-01-30 California          State         Total    108    100.00
## 297  2021-01-30 California          State       Epsilon     79     73.15
## 298  2021-01-30 California          State         Gamma      0      0.00
## 299  2021-01-30 California          State            Mu      0      0.00
## 300  2021-01-30 California          State          Beta      0      0.00
## 301  2021-01-31 California          State         Total    238    100.00
## 302  2021-01-31 California          State        Lambda      0      0.00
## 303  2021-01-31 California          State         Delta      0      0.00
## 304  2021-01-31 California          State         Other     82     34.45
```

```
## 305   2021-01-31 California      State        Mu         0       0.00
## 306   2021-01-31 California      State      Beta         0       0.00
## 307   2021-01-31 California      State     Gamma         0       0.00
## 308   2021-01-31 California      State     Alpha         2       0.84
## 309   2021-01-31 California      State   Epsilon       154      64.71
## 310   2021-01-31 California      State   Omicron         0       0.00
## 311   2021-02-01 California      State     Total       786     100.00
## 312   2021-02-01 California      State     Alpha        10       1.27
## 313   2021-02-01 California      State     Delta         0       0.00
## 314   2021-02-01 California      State     Gamma         0       0.00
## 315   2021-02-01 California      State   Epsilon       554      70.48
## 316   2021-02-01 California      State   Omicron         0       0.00
## 317   2021-02-01 California      State     Other       222      28.24
## 318   2021-02-01 California      State    Lambda         0       0.00
## 319   2021-02-01 California      State      Beta         0       0.00
## 320   2021-02-01 California      State        Mu         0       0.00
## 321   2021-02-02 California      State     Delta         0       0.00
## 322   2021-02-02 California      State   Omicron         0       0.00
## 323   2021-02-02 California      State    Lambda         0       0.00
## 324   2021-02-02 California      State      Beta         0       0.00
## 325   2021-02-02 California      State   Epsilon       974      74.75
## 326   2021-02-02 California      State     Other       296      22.72
## 327   2021-02-02 California      State     Gamma         0       0.00
## 328   2021-02-02 California      State     Total      1303     100.00
## 329   2021-02-02 California      State     Alpha        33       2.53
## 330   2021-02-02 California      State        Mu         0       0.00
## 331   2021-02-03 California      State   Epsilon       808      74.33
## 332   2021-02-03 California      State     Gamma         0       0.00
## 333   2021-02-03 California      State     Alpha        29       2.67
## 334   2021-02-03 California      State     Total      1087     100.00
## 335   2021-02-03 California      State   Omicron         0       0.00
## 336   2021-02-03 California      State    Lambda         0       0.00
## 337   2021-02-03 California      State        Mu         0       0.00
## 338   2021-02-03 California      State     Other       249      22.91
## 339   2021-02-03 California      State     Delta         0       0.00
## 340   2021-02-03 California      State      Beta         1       0.09
## 341   2021-02-04 California      State     Other       107      20.27
## 342   2021-02-04 California      State     Delta         0       0.00
## 343   2021-02-04 California      State   Epsilon       406      76.89
## 344   2021-02-04 California      State        Mu         0       0.00
## 345   2021-02-04 California      State     Total       528     100.00
## 346   2021-02-04 California      State   Omicron         0       0.00
## 347   2021-02-04 California      State    Lambda         0       0.00
## 348   2021-02-04 California      State     Gamma         0       0.00
## 349   2021-02-04 California      State      Beta         0       0.00
## 350   2021-02-04 California      State     Alpha        15       2.84
## 351   2021-02-05 California      State      Beta         0       0.00
## 352   2021-02-05 California      State     Alpha        23       8.07
## 353   2021-02-05 California      State        Mu         0       0.00
## 354   2021-02-05 California      State     Other        75      26.32
## 355   2021-02-05 California      State     Gamma         0       0.00
## 356   2021-02-05 California      State   Omicron         0       0.00
## 357   2021-02-05 California      State   Epsilon       187      65.61
## 358   2021-02-05 California      State    Lambda         0       0.00
```

```
## 359  2021-02-05 California      State        Total        285     100.00
## 360  2021-02-05 California      State        Delta          0       0.00
## 361  2021-02-06 California      State         Beta          0       0.00
## 362  2021-02-06 California      State      Omicron          0       0.00
## 363  2021-02-06 California      State      Epsilon        271      70.39
## 364  2021-02-06 California      State        Delta          0       0.00
## 365  2021-02-06 California      State        Gamma          0       0.00
## 366  2021-02-06 California      State        Total        385     100.00
## 367  2021-02-06 California      State        Alpha         15       3.90
## 368  2021-02-06 California      State           Mu          0       0.00
## 369  2021-02-06 California      State       Lambda          0       0.00
## 370  2021-02-06 California      State        Other         99      25.71
## 371  2021-02-07 California      State       Lambda          0       0.00
## 372  2021-02-07 California      State         Beta          0       0.00
## 373  2021-02-07 California      State        Gamma          0       0.00
## 374  2021-02-07 California      State      Omicron          0       0.00
## 375  2021-02-07 California      State        Delta          1       0.46
## 376  2021-02-07 California      State           Mu          0       0.00
## 377  2021-02-07 California      State        Alpha          4       1.83
## 378  2021-02-07 California      State        Total        218     100.00
## 379  2021-02-07 California      State      Epsilon        170      77.98
## 380  2021-02-07 California      State        Other         43      19.72
## 381  2021-02-08 California      State         Beta          0       0.00
## 382  2021-02-08 California      State        Alpha         18       3.63
## 383  2021-02-08 California      State        Other        110      22.18
## 384  2021-02-08 California      State           Mu          0       0.00
## 385  2021-02-08 California      State      Omicron          0       0.00
## 386  2021-02-08 California      State      Epsilon        368      74.19
## 387  2021-02-08 California      State        Gamma          0       0.00
## 388  2021-02-08 California      State       Lambda          0       0.00
## 389  2021-02-08 California      State        Total        496     100.00
## 390  2021-02-08 California      State        Delta          0       0.00
## 391  2021-02-09 California      State        Alpha         22       3.42
## 392  2021-02-09 California      State         Beta          0       0.00
## 393  2021-02-09 California      State        Total        643     100.00
## 394  2021-02-09 California      State       Lambda          0       0.00
## 395  2021-02-09 California      State           Mu          0       0.00
## 396  2021-02-09 California      State        Delta          0       0.00
## 397  2021-02-09 California      State      Omicron          0       0.00
## 398  2021-02-09 California      State      Epsilon        472      73.41
## 399  2021-02-09 California      State        Gamma          0       0.00
## 400  2021-02-09 California      State        Other        149      23.17
## 401  2021-02-10 California      State           Mu          0       0.00
## 402  2021-02-10 California      State       Lambda          0       0.00
## 403  2021-02-10 California      State        Delta          0       0.00
## 404  2021-02-10 California      State      Omicron          0       0.00
## 405  2021-02-10 California      State        Other        160      29.36
## 406  2021-02-10 California      State        Alpha         21       3.85
## 407  2021-02-10 California      State      Epsilon        364      66.79
## 408  2021-02-10 California      State        Gamma          0       0.00
## 409  2021-02-10 California      State        Total        545     100.00
## 410  2021-02-10 California      State         Beta          0       0.00
## 411  2021-02-11 California      State        Other        124      24.17
## 412  2021-02-11 California      State           Mu          0       0.00
```

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## 413 2021-02-11 California      State      Delta         0      0.00
## 414 2021-02-11 California      State     Omicron        0      0.00
## 415 2021-02-11 California      State      Beta          0      0.00
## 416 2021-02-11 California      State     Epsilon       361     70.37
## 417 2021-02-11 California      State     Lambda         0      0.00
## 418 2021-02-11 California      State      Total        513    100.00
## 419 2021-02-11 California      State      Alpha         28      5.46
## 420 2021-02-11 California      State      Gamma         0      0.00
## 421 2021-02-12 California      State       Mu           0      0.00
## 422 2021-02-12 California      State     Omicron        0      0.00
## 423 2021-02-12 California      State     Epsilon       297     72.62
## 424 2021-02-12 California      State      Total        409    100.00
## 425 2021-02-12 California      State      Beta          1      0.24
## 426 2021-02-12 California      State     Lambda         0      0.00
## 427 2021-02-12 California      State      Gamma         0      0.00
## 428 2021-02-12 California      State      Delta         0      0.00
## 429 2021-02-12 California      State      Alpha         26      6.36
## 430 2021-02-12 California      State      Other         85     20.78
## 431 2021-02-13 California      State      Total        308    100.00
## 432 2021-02-13 California      State      Gamma         0      0.00
## 433 2021-02-13 California      State     Lambda         0      0.00
## 434 2021-02-13 California      State     Epsilon       210     68.18
## 435 2021-02-13 California      State      Other         70     22.73
## 436 2021-02-13 California      State      Beta          0      0.00
## 437 2021-02-13 California      State      Delta         0      0.00
## 438 2021-02-13 California      State       Mu           0      0.00
## 439 2021-02-13 California      State      Alpha         28      9.09
## 440 2021-02-13 California      State     Omicron        0      0.00
## 441 2021-02-14 California      State     Lambda         0      0.00
## 442 2021-02-14 California      State      Total        128    100.00
## 443 2021-02-14 California      State      Beta          0      0.00
## 444 2021-02-14 California      State     Epsilon        93     72.66
## 445 2021-02-14 California      State      Alpha         8      6.25
## 446 2021-02-14 California      State     Omicron        0      0.00
## 447 2021-02-14 California      State       Mu           0      0.00
## 448 2021-02-14 California      State      Delta         0      0.00
## 449 2021-02-14 California      State      Other         27     21.09
## 450 2021-02-14 California      State      Gamma         0      0.00
## 451 2021-02-15 California      State      Alpha         13      5.51
## 452 2021-02-15 California      State      Delta         1      0.42
## 453 2021-02-15 California      State       Mu           0      0.00
## 454 2021-02-15 California      State      Other         55     23.31
## 455 2021-02-15 California      State     Lambda         0      0.00
## 456 2021-02-15 California      State      Beta          0      0.00
## 457 2021-02-15 California      State      Gamma         0      0.00
## 458 2021-02-15 California      State     Omicron        0      0.00
## 459 2021-02-15 California      State     Epsilon       167     70.76
## 460 2021-02-15 California      State      Total        236    100.00
## 461 2021-02-16 California      State      Alpha         39      7.47
## 462 2021-02-16 California      State      Other        121     23.18
## 463 2021-02-16 California      State      Total        522    100.00
## 464 2021-02-16 California      State     Lambda         0      0.00
## 465 2021-02-16 California      State     Omicron        0      0.00
## 466 2021-02-16 California      State       Mu           0      0.00
```

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## 467  2021-02-16 California         State   Epsilon   361      69.16
## 468  2021-02-16 California         State     Gamma     0       0.00
## 469  2021-02-16 California         State      Beta     1       0.19
## 470  2021-02-16 California         State     Delta     0       0.00
## 471  2021-02-17 California         State      Beta     0       0.00
## 472  2021-02-17 California         State   Epsilon   315      69.69
## 473  2021-02-17 California         State     Delta     0       0.00
## 474  2021-02-17 California         State     Gamma     0       0.00
## 475  2021-02-17 California         State    Lambda     0       0.00
## 476  2021-02-17 California         State   Omicron     0       0.00
## 477  2021-02-17 California         State     Total   452     100.00
## 478  2021-02-17 California         State     Other   103      22.79
## 479  2021-02-17 California         State        Mu     0       0.00
## 480  2021-02-17 California         State     Alpha    34       7.52
## 481  2021-02-18 California         State   Epsilon   254      67.55
## 482  2021-02-18 California         State     Gamma     0       0.00
## 483  2021-02-18 California         State     Delta     1       0.27
## 484  2021-02-18 California         State   Omicron     0       0.00
## 485  2021-02-18 California         State        Mu     0       0.00
## 486  2021-02-18 California         State    Lambda     0       0.00
## 487  2021-02-18 California         State     Other    90      23.94
## 488  2021-02-18 California         State     Total   376     100.00
## 489  2021-02-18 California         State      Beta     0       0.00
## 490  2021-02-18 California         State     Alpha    31       8.24
## 491  2021-02-19 California         State        Mu     0       0.00
## 492  2021-02-19 California         State     Other    83      24.63
## 493  2021-02-19 California         State     Gamma     0       0.00
## 494  2021-02-19 California         State     Total   337     100.00
## 495  2021-02-19 California         State     Alpha    19       5.64
## 496  2021-02-19 California         State      Beta     0       0.00
## 497  2021-02-19 California         State     Delta     0       0.00
## 498  2021-02-19 California         State   Epsilon   235      69.73
## 499  2021-02-19 California         State    Lambda     0       0.00
## 500  2021-02-19 California         State   Omicron     0       0.00
## 501  2021-02-20 California         State     Gamma     0       0.00
## 502  2021-02-20 California         State   Epsilon   142      66.05
## 503  2021-02-20 California         State      Beta     0       0.00
## 504  2021-02-20 California         State   Omicron     0       0.00
## 505  2021-02-20 California         State     Total   215     100.00
## 506  2021-02-20 California         State        Mu     0       0.00
## 507  2021-02-20 California         State     Alpha    25      11.63
## 508  2021-02-20 California         State    Lambda     0       0.00
## 509  2021-02-20 California         State     Other    48      22.33
## 510  2021-02-20 California         State     Delta     0       0.00
## 511  2021-02-21 California         State     Alpha     5       5.88
## 512  2021-02-21 California         State   Epsilon    61      71.76
## 513  2021-02-21 California         State    Lambda     0       0.00
## 514  2021-02-21 California         State     Gamma     0       0.00
## 515  2021-02-21 California         State        Mu     0       0.00
## 516  2021-02-21 California         State     Total    85     100.00
## 517  2021-02-21 California         State      Beta     0       0.00
## 518  2021-02-21 California         State   Omicron     0       0.00
## 519  2021-02-21 California         State     Other    19      22.35
## 520  2021-02-21 California         State     Delta     0       0.00
```

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## 521  2021-02-22 California      State        Other     65     21.74
## 522  2021-02-22 California      State      Omicron      0      0.00
## 523  2021-02-22 California      State        Delta      1      0.33
## 524  2021-02-22 California      State           Mu      0      0.00
## 525  2021-02-22 California      State      Epsilon    215     71.91
## 526  2021-02-22 California      State        Gamma      0      0.00
## 527  2021-02-22 California      State        Total    299    100.00
## 528  2021-02-22 California      State        Alpha     17      5.69
## 529  2021-02-22 California      State         Beta      1      0.33
## 530  2021-02-22 California      State       Lambda      0      0.00
## 531  2021-02-23 California      State        Gamma      0      0.00
## 532  2021-02-23 California      State       Lambda      0      0.00
## 533  2021-02-23 California      State      Omicron      0      0.00
## 534  2021-02-23 California      State         Beta      0      0.00
## 535  2021-02-23 California      State        Delta      0      0.00
## 536  2021-02-23 California      State           Mu      0      0.00
## 537  2021-02-23 California      State        Total    295    100.00
## 538  2021-02-23 California      State        Other     52     17.63
## 539  2021-02-23 California      State        Alpha     22      7.46
## 540  2021-02-23 California      State      Epsilon    221     74.92
## 541  2021-02-24 California      State         Beta      0      0.00
## 542  2021-02-24 California      State        Alpha     32     11.31
## 543  2021-02-24 California      State       Lambda      0      0.00
## 544  2021-02-24 California      State        Other     57     20.14
## 545  2021-02-24 California      State        Total    283    100.00
## 546  2021-02-24 California      State        Gamma      0      0.00
## 547  2021-02-24 California      State      Epsilon    194     68.55
## 548  2021-02-24 California      State           Mu      0      0.00
## 549  2021-02-24 California      State        Delta      0      0.00
## 550  2021-02-24 California      State      Omicron      0      0.00
## 551  2021-02-25 California      State      Omicron      0      0.00
## 552  2021-02-25 California      State        Gamma      0      0.00
## 553  2021-02-25 California      State       Lambda      0      0.00
## 554  2021-02-25 California      State           Mu      0      0.00
## 555  2021-02-25 California      State         Beta      0      0.00
## 556  2021-02-25 California      State      Epsilon    187     66.55
## 557  2021-02-25 California      State        Other     70     24.91
## 558  2021-02-25 California      State        Alpha     24      8.54
## 559  2021-02-25 California      State        Total    281    100.00
## 560  2021-02-25 California      State        Delta      0      0.00
## 561  2021-02-26 California      State        Delta      0      0.00
## 562  2021-02-26 California      State      Epsilon    161     67.93
## 563  2021-02-26 California      State        Other     48     20.25
## 564  2021-02-26 California      State        Alpha     28     11.81
## 565  2021-02-26 California      State           Mu      0      0.00
## 566  2021-02-26 California      State        Total    237    100.00
## 567  2021-02-26 California      State         Beta      0      0.00
## 568  2021-02-26 California      State      Omicron      0      0.00
## 569  2021-02-26 California      State        Gamma      0      0.00
## 570  2021-02-26 California      State       Lambda      0      0.00
## 571  2021-02-27 California      State        Delta      0      0.00
## 572  2021-02-27 California      State         Beta      0      0.00
## 573  2021-02-27 California      State       Lambda      0      0.00
## 574  2021-02-27 California      State        Alpha     12      6.56
```

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## 575   2021-02-27 California          State        Other          36       19.67
## 576   2021-02-27 California          State        Omicron         0        0.00
## 577   2021-02-27 California          State        Gamma           0        0.00
## 578   2021-02-27 California          State        Mu              0        0.00
## 579   2021-02-27 California          State        Total         183      100.00
## 580   2021-02-27 California          State        Epsilon       135       73.77
## 581   2021-02-28 California          State        Epsilon        90       69.77
## 582   2021-02-28 California          State        Gamma           1        0.78
## 583   2021-02-28 California          State        Omicron         1        0.78
## 584   2021-02-28 California          State        Total         129      100.00
## 585   2021-02-28 California          State        Lambda          0        0.00
## 586   2021-02-28 California          State        Delta           0        0.00
## 587   2021-02-28 California          State        Alpha          18       13.95
## 588   2021-02-28 California          State        Mu              0        0.00
## 589   2021-02-28 California          State        Other          19       14.73
## 590   2021-02-28 California          State        Beta            0        0.00
## 591   2021-03-01 California          State        Beta            0        0.00
## 592   2021-03-01 California          State        Other          56       19.18
## 593   2021-03-01 California          State        Lambda          0        0.00
## 594   2021-03-01 California          State        Alpha          31       10.62
## 595   2021-03-01 California          State        Gamma           1        0.34
## 596   2021-03-01 California          State        Mu              0        0.00
## 597   2021-03-01 California          State        Epsilon       204       69.86
## 598   2021-03-01 California          State        Omicron         0        0.00
## 599   2021-03-01 California          State        Delta           0        0.00
## 600   2021-03-01 California          State        Total         292      100.00
## 601   2021-03-02 California          State        Epsilon       321       54.59
## 602   2021-03-02 California          State        Other         197       33.50
## 603   2021-03-02 California          State        Total         588      100.00
## 604   2021-03-02 California          State        Mu              0        0.00
## 605   2021-03-02 California          State        Alpha          65       11.05
## 606   2021-03-02 California          State        Gamma           5        0.85
## 607   2021-03-02 California          State        Beta            0        0.00
## 608   2021-03-02 California          State        Omicron         0        0.00
## 609   2021-03-02 California          State        Lambda          0        0.00
## 610   2021-03-02 California          State        Delta           0        0.00
## 611   2021-03-03 California          State        Omicron         0        0.00
## 612   2021-03-03 California          State        Delta           1        0.17
## 613   2021-03-03 California          State        Alpha          54        9.20
## 614   2021-03-03 California          State        Other         184       31.35
## 615   2021-03-03 California          State        Gamma           1        0.17
## 616   2021-03-03 California          State        Mu              0        0.00
## 617   2021-03-03 California          State        Epsilon       347       59.11
## 618   2021-03-03 California          State        Total         587      100.00
## 619   2021-03-03 California          State        Beta            0        0.00
## 620   2021-03-03 California          State        Lambda          0        0.00
## 621   2021-03-04 California          State        Omicron         0        0.00
## 622   2021-03-04 California          State        Gamma           2        0.41
## 623   2021-03-04 California          State        Delta           0        0.00
## 624   2021-03-04 California          State        Other         144       29.75
## 625   2021-03-04 California          State        Alpha          57       11.78
## 626   2021-03-04 California          State        Mu              0        0.00
## 627   2021-03-04 California          State        Epsilon       280       57.85
## 628   2021-03-04 California          State        Lambda          0        0.00
```

```
## 629  2021-03-04 California       State       Beta           1      0.21
## 630  2021-03-04 California       State       Total        484    100.00
## 631  2021-03-05 California       State         Mu           0      0.00
## 632  2021-03-05 California       State       Other        160     29.96
## 633  2021-03-05 California       State       Alpha         76     14.23
## 634  2021-03-05 California       State       Omicron        0      0.00
## 635  2021-03-05 California       State       Gamma          3      0.56
## 636  2021-03-05 California       State       Beta           0      0.00
## 637  2021-03-05 California       State       Delta          1      0.19
## 638  2021-03-05 California       State       Total        534    100.00
## 639  2021-03-05 California       State       Lambda         0      0.00
## 640  2021-03-05 California       State       Epsilon      294     55.06
## 641  2021-03-06 California       State       Alpha         63     17.50
## 642  2021-03-06 California       State       Beta           1      0.28
## 643  2021-03-06 California       State       Delta          0      0.00
## 644  2021-03-06 California       State       Lambda         0      0.00
## 645  2021-03-06 California       State       Epsilon      218     60.56
## 646  2021-03-06 California       State       Other         78     21.67
## 647  2021-03-06 California       State         Mu           0      0.00
## 648  2021-03-06 California       State       Total        360    100.00
## 649  2021-03-06 California       State       Gamma          0      0.00
## 650  2021-03-06 California       State       Omicron        0      0.00
## 651  2021-03-07 California       State       Total        329    100.00
## 652  2021-03-07 California       State       Beta           1      0.30
## 653  2021-03-07 California       State         Mu           0      0.00
## 654  2021-03-07 California       State       Epsilon      190     57.75
## 655  2021-03-07 California       State       Alpha         41     12.46
## 656  2021-03-07 California       State       Other         95     28.88
## 657  2021-03-07 California       State       Gamma          2      0.61
## 658  2021-03-07 California       State       Delta          0      0.00
## 659  2021-03-07 California       State       Lambda         0      0.00
## 660  2021-03-07 California       State       Omicron        0      0.00
## 661  2021-03-08 California       State       Other        231     37.02
## 662  2021-03-08 California       State       Total        624    100.00
## 663  2021-03-08 California       State       Delta          1      0.16
## 664  2021-03-08 California       State       Beta           1      0.16
## 665  2021-03-08 California       State       Epsilon      306     49.04
## 666  2021-03-08 California       State         Mu           0      0.00
## 667  2021-03-08 California       State       Lambda         0      0.00
## 668  2021-03-08 California       State       Omicron        0      0.00
## 669  2021-03-08 California       State       Alpha         80     12.82
## 670  2021-03-08 California       State       Gamma          5      0.80
## 671  2021-03-09 California       State       Epsilon      378     54.47
## 672  2021-03-09 California       State       Beta           5      0.72
## 673  2021-03-09 California       State       Omicron        0      0.00
## 674  2021-03-09 California       State       Lambda         0      0.00
## 675  2021-03-09 California       State       Alpha         93     13.40
## 676  2021-03-09 California       State       Total        694    100.00
## 677  2021-03-09 California       State       Delta          0      0.00
## 678  2021-03-09 California       State       Gamma          6      0.86
## 679  2021-03-09 California       State         Mu           0      0.00
## 680  2021-03-09 California       State       Other        212     30.55
## 681  2021-03-10 California       State       Gamma          8      1.13
## 682  2021-03-10 California       State       Lambda         0      0.00
```

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## 683  2021-03-10 California       State     Epsilon    374      53.05
## 684  2021-03-10 California       State       Beta      0       0.00
## 685  2021-03-10 California       State      Alpha     113      16.03
## 686  2021-03-10 California       State      Total     705     100.00
## 687  2021-03-10 California       State      Delta      0       0.00
## 688  2021-03-10 California       State         Mu      0       0.00
## 689  2021-03-10 California       State    Omicron      0       0.00
## 690  2021-03-10 California       State      Other     210      29.79
## 691  2021-03-11 California       State       Beta      4       0.65
## 692  2021-03-11 California       State      Total     618     100.00
## 693  2021-03-11 California       State     Lambda      0       0.00
## 694  2021-03-11 California       State      Delta      0       0.00
## 695  2021-03-11 California       State         Mu      0       0.00
## 696  2021-03-11 California       State      Gamma      6       0.97
## 697  2021-03-11 California       State      Other     201      32.52
## 698  2021-03-11 California       State      Alpha     93      15.05
## 699  2021-03-11 California       State    Omicron      0       0.00
## 700  2021-03-11 California       State    Epsilon    314      50.81
## 701  2021-03-12 California       State       Beta      2       0.44
## 702  2021-03-12 California       State         Mu      0       0.00
## 703  2021-03-12 California       State      Gamma      8       1.75
## 704  2021-03-12 California       State    Epsilon    230      50.33
## 705  2021-03-12 California       State     Lambda      1       0.22
## 706  2021-03-12 California       State      Alpha     73      15.97
## 707  2021-03-12 California       State      Total     457     100.00
## 708  2021-03-12 California       State      Delta      0       0.00
## 709  2021-03-12 California       State    Omicron      0       0.00
## 710  2021-03-12 California       State      Other     143      31.29
## 711  2021-03-13 California       State      Alpha     45      15.41
## 712  2021-03-13 California       State      Total     292     100.00
## 713  2021-03-13 California       State       Beta      0       0.00
## 714  2021-03-13 California       State         Mu      0       0.00
## 715  2021-03-13 California       State      Gamma      2       0.68
## 716  2021-03-13 California       State     Lambda      1       0.34
## 717  2021-03-13 California       State    Epsilon    162      55.48
## 718  2021-03-13 California       State    Omicron      0       0.00
## 719  2021-03-13 California       State      Other     82      28.08
## 720  2021-03-13 California       State      Delta      0       0.00
## 721  2021-03-14 California       State    Epsilon    103      47.47
## 722  2021-03-14 California       State       Beta      0       0.00
## 723  2021-03-14 California       State      Other     75      34.56
## 724  2021-03-14 California       State    Omicron      0       0.00
## 725  2021-03-14 California       State         Mu      0       0.00
## 726  2021-03-14 California       State      Delta      0       0.00
## 727  2021-03-14 California       State      Alpha     39      17.97
## 728  2021-03-14 California       State     Lambda      0       0.00
## 729  2021-03-14 California       State      Gamma      0       0.00
## 730  2021-03-14 California       State      Total     217     100.00
## 731  2021-03-15 California       State         Mu      0       0.00
## 732  2021-03-15 California       State      Total     456     100.00
## 733  2021-03-15 California       State       Beta      0       0.00
## 734  2021-03-15 California       State      Gamma      8       1.75
## 735  2021-03-15 California       State    Epsilon    184      40.35
## 736  2021-03-15 California       State      Other     153      33.55
```

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## 737  2021-03-15 California       State        Alpha      110       24.12
## 738  2021-03-15 California       State        Delta        1        0.22
## 739  2021-03-15 California       State      Omicron        0        0.00
## 740  2021-03-15 California       State       Lambda        0        0.00
## 741  2021-03-16 California       State       Lambda        0        0.00
## 742  2021-03-16 California       State         Beta        1        0.17
## 743  2021-03-16 California       State        Gamma       14        2.43
## 744  2021-03-16 California       State      Epsilon      270       46.96
## 745  2021-03-16 California       State      Omicron        0        0.00
## 746  2021-03-16 California       State        Total      575      100.00
## 747  2021-03-16 California       State        Delta        1        0.17
## 748  2021-03-16 California       State        Alpha      137       23.83
## 749  2021-03-16 California       State        Other      152       26.43
## 750  2021-03-16 California       State           Mu        0        0.00
## 751  2021-03-17 California       State       Lambda        1        0.17
## 752  2021-03-17 California       State        Gamma        5        0.83
## 753  2021-03-17 California       State        Total      599      100.00
## 754  2021-03-17 California       State        Alpha      159       26.54
## 755  2021-03-17 California       State        Delta        0        0.00
## 756  2021-03-17 California       State      Omicron        0        0.00
## 757  2021-03-17 California       State         Beta        3        0.50
## 758  2021-03-17 California       State        Other      190       31.72
## 759  2021-03-17 California       State           Mu        0        0.00
## 760  2021-03-17 California       State      Epsilon      241       40.23
## 761  2021-03-18 California       State        Gamma        9        1.61
## 762  2021-03-18 California       State      Epsilon      249       44.46
## 763  2021-03-18 California       State        Delta        0        0.00
## 764  2021-03-18 California       State       Lambda        0        0.00
## 765  2021-03-18 California       State         Beta        3        0.54
## 766  2021-03-18 California       State        Other      192       34.29
## 767  2021-03-18 California       State        Total      560      100.00
## 768  2021-03-18 California       State        Alpha      107       19.11
## 769  2021-03-18 California       State      Omicron        0        0.00
## 770  2021-03-18 California       State           Mu        0        0.00
## 771  2021-03-19 California       State      Omicron        0        0.00
## 772  2021-03-19 California       State        Other      142       28.74
## 773  2021-03-19 California       State         Beta        1        0.20
## 774  2021-03-19 California       State        Total      494      100.00
## 775  2021-03-19 California       State       Lambda        1        0.20
## 776  2021-03-19 California       State        Delta        0        0.00
## 777  2021-03-19 California       State        Alpha      134       27.13
## 778  2021-03-19 California       State      Epsilon      205       41.50
## 779  2021-03-19 California       State        Gamma       11        2.23
## 780  2021-03-19 California       State           Mu        0        0.00
## 781  2021-03-20 California       State        Other       88       25.14
## 782  2021-03-20 California       State       Lambda        0        0.00
## 783  2021-03-20 California       State        Delta        0        0.00
## 784  2021-03-20 California       State        Alpha       92       26.29
## 785  2021-03-20 California       State         Beta        2        0.57
## 786  2021-03-20 California       State      Omicron        0        0.00
## 787  2021-03-20 California       State        Gamma        8        2.29
## 788  2021-03-20 California       State      Epsilon      160       45.71
## 789  2021-03-20 California       State        Total      350      100.00
## 790  2021-03-20 California       State           Mu        0        0.00
```

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## 791  2021-03-21 California        State          Omicron       0      0.00
## 792  2021-03-21 California        State            Alpha      54     24.32
## 793  2021-03-21 California        State            Other      49     22.07
## 794  2021-03-21 California        State            Total     222    100.00
## 795  2021-03-21 California        State            Delta       0      0.00
## 796  2021-03-21 California        State          Epsilon     112     50.45
## 797  2021-03-21 California        State            Gamma       6      2.70
## 798  2021-03-21 California        State           Lambda       0      0.00
## 799  2021-03-21 California        State               Mu       0      0.00
## 800  2021-03-21 California        State             Beta       1      0.45
## 801  2021-03-22 California        State            Total     512    100.00
## 802  2021-03-22 California        State           Lambda       0      0.00
## 803  2021-03-22 California        State          Epsilon     195     38.09
## 804  2021-03-22 California        State            Alpha     137     26.76
## 805  2021-03-22 California        State            Delta       0      0.00
## 806  2021-03-22 California        State            Other     172     33.59
## 807  2021-03-22 California        State               Mu       0      0.00
## 808  2021-03-22 California        State          Omicron       0      0.00
## 809  2021-03-22 California        State             Beta       1      0.20
## 810  2021-03-22 California        State            Gamma       7      1.37
## 811  2021-03-23 California        State           Lambda       0      0.00
## 812  2021-03-23 California        State          Omicron       0      0.00
## 813  2021-03-23 California        State            Total     439    100.00
## 814  2021-03-23 California        State            Delta       0      0.00
## 815  2021-03-23 California        State               Mu       0      0.00
## 816  2021-03-23 California        State          Epsilon     189     43.05
## 817  2021-03-23 California        State            Other     137     31.21
## 818  2021-03-23 California        State            Alpha      94     21.41
## 819  2021-03-23 California        State             Beta       1      0.23
## 820  2021-03-23 California        State            Gamma      18      4.10
## 821  2021-03-24 California        State               Mu       0      0.00
## 822  2021-03-24 California        State          Epsilon     249     47.25
## 823  2021-03-24 California        State            Gamma      15      2.85
## 824  2021-03-24 California        State          Omicron       0      0.00
## 825  2021-03-24 California        State            Delta       2      0.38
## 826  2021-03-24 California        State            Other     111     21.06
## 827  2021-03-24 California        State            Alpha     148     28.08
## 828  2021-03-24 California        State           Lambda       0      0.00
## 829  2021-03-24 California        State             Beta       2      0.38
## 830  2021-03-24 California        State            Total     527    100.00
## 831  2021-03-25 California        State            Total     436    100.00
## 832  2021-03-25 California        State             Beta       2      0.46
## 833  2021-03-25 California        State          Epsilon     165     37.84
## 834  2021-03-25 California        State            Other     120     27.52
## 835  2021-03-25 California        State          Omicron       0      0.00
## 836  2021-03-25 California        State           Lambda       0      0.00
## 837  2021-03-25 California        State            Delta       0      0.00
## 838  2021-03-25 California        State            Alpha     136     31.19
## 839  2021-03-25 California        State               Mu       0      0.00
## 840  2021-03-25 California        State            Gamma      13      2.98
## 841  2021-03-26 California        State             Beta       4      0.93
## 842  2021-03-26 California        State            Total     432    100.00
## 843  2021-03-26 California        State               Mu       0      0.00
## 844  2021-03-26 California        State            Delta       0      0.00
```

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## 845  2021-03-26 California    State    Epsilon    145     33.56
## 846  2021-03-26 California    State      Gamma     19      4.40
## 847  2021-03-26 California    State     Lambda      1      0.23
## 848  2021-03-26 California    State      Alpha    135     31.25
## 849  2021-03-26 California    State    Omicron      0      0.00
## 850  2021-03-26 California    State      Other    128     29.63
## 851  2021-03-27 California    State         Mu      0      0.00
## 852  2021-03-27 California    State      Alpha     92     27.71
## 853  2021-03-27 California    State      Other     77     23.19
## 854  2021-03-27 California    State    Epsilon    144     43.37
## 855  2021-03-27 California    State     Lambda      0      0.00
## 856  2021-03-27 California    State      Total    332    100.00
## 857  2021-03-27 California    State    Omicron      0      0.00
## 858  2021-03-27 California    State      Delta      0      0.00
## 859  2021-03-27 California    State       Beta      5      1.51
## 860  2021-03-27 California    State      Gamma     14      4.22
## 861  2021-03-28 California    State    Epsilon     66     35.29
## 862  2021-03-28 California    State      Alpha     54     28.88
## 863  2021-03-28 California    State         Mu      0      0.00
## 864  2021-03-28 California    State      Gamma      6      3.21
## 865  2021-03-28 California    State      Other     59     31.55
## 866  2021-03-28 California    State       Beta      2      1.07
## 867  2021-03-28 California    State    Omicron      0      0.00
## 868  2021-03-28 California    State      Delta      0      0.00
## 869  2021-03-28 California    State     Lambda      0      0.00
## 870  2021-03-28 California    State      Total    187    100.00
## 871  2021-03-29 California    State      Total    449    100.00
## 872  2021-03-29 California    State      Alpha    155     34.52
## 873  2021-03-29 California    State      Delta      0      0.00
## 874  2021-03-29 California    State    Epsilon    141     31.40
## 875  2021-03-29 California    State      Other    126     28.06
## 876  2021-03-29 California    State    Omicron      0      0.00
## 877  2021-03-29 California    State         Mu      0      0.00
## 878  2021-03-29 California    State      Gamma     19      4.23
## 879  2021-03-29 California    State       Beta      8      1.78
## 880  2021-03-29 California    State     Lambda      0      0.00
## 881  2021-03-30 California    State      Other    135     26.16
## 882  2021-03-30 California    State      Total    516    100.00
## 883  2021-03-30 California    State      Delta      1      0.19
## 884  2021-03-30 California    State         Mu      0      0.00
## 885  2021-03-30 California    State      Alpha    151     29.26
## 886  2021-03-30 California    State      Gamma     27      5.23
## 887  2021-03-30 California    State       Beta      4      0.78
## 888  2021-03-30 California    State    Omicron      0      0.00
## 889  2021-03-30 California    State    Epsilon    196     37.98
## 890  2021-03-30 California    State     Lambda      2      0.39
## 891  2021-03-31 California    State      Gamma     18      4.27
## 892  2021-03-31 California    State    Omicron      0      0.00
## 893  2021-03-31 California    State         Mu      1      0.24
## 894  2021-03-31 California    State      Total    422    100.00
## 895  2021-03-31 California    State       Beta      1      0.24
## 896  2021-03-31 California    State      Delta      1      0.24
## 897  2021-03-31 California    State      Other    101     23.93
## 898  2021-03-31 California    State    Epsilon    131     31.04
```

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## 899  2021-03-31 California       State       Lambda       0      0.00
## 900  2021-03-31 California       State        Alpha     169     40.05
## 901  2021-04-01 California       State           Mu       0      0.00
## 902  2021-04-01 California       State        Alpha     165     42.42
## 903  2021-04-01 California       State        Delta       1      0.26
## 904  2021-04-01 California       State         Beta       2      0.51
## 905  2021-04-01 California       State       Lambda       0      0.00
## 906  2021-04-01 California       State      Omicron       0      0.00
## 907  2021-04-01 California       State        Gamma      16      4.11
## 908  2021-04-01 California       State        Other      78     20.05
## 909  2021-04-01 California       State      Epsilon     127     32.65
## 910  2021-04-01 California       State        Total     389    100.00
## 911  2021-04-02 California       State           Mu       0      0.00
## 912  2021-04-02 California       State        Total     494    100.00
## 913  2021-04-02 California       State      Epsilon     142     28.74
## 914  2021-04-02 California       State        Delta       0      0.00
## 915  2021-04-02 California       State      Omicron       0      0.00
## 916  2021-04-02 California       State        Gamma      35      7.09
## 917  2021-04-02 California       State       Lambda       0      0.00
## 918  2021-04-02 California       State         Beta       4      0.81
## 919  2021-04-02 California       State        Other     119     24.09
## 920  2021-04-02 California       State        Alpha     194     39.27
## 921  2021-04-03 California       State        Total     319    100.00
## 922  2021-04-03 California       State         Beta       3      0.94
## 923  2021-04-03 California       State        Alpha     119     37.30
## 924  2021-04-03 California       State       Lambda       0      0.00
## 925  2021-04-03 California       State        Other      73     22.88
## 926  2021-04-03 California       State      Omicron       0      0.00
## 927  2021-04-03 California       State      Epsilon     104     32.60
## 928  2021-04-03 California       State        Gamma      20      6.27
## 929  2021-04-03 California       State        Delta       0      0.00
## 930  2021-04-03 California       State           Mu       0      0.00
## 931  2021-04-04 California       State           Mu       0      0.00
## 932  2021-04-04 California       State        Other      36     18.85
## 933  2021-04-04 California       State        Alpha      99     51.83
## 934  2021-04-04 California       State        Delta       0      0.00
## 935  2021-04-04 California       State       Lambda       0      0.00
## 936  2021-04-04 California       State      Omicron       0      0.00
## 937  2021-04-04 California       State         Beta       1      0.52
## 938  2021-04-04 California       State        Total     191    100.00
## 939  2021-04-04 California       State        Gamma      21     10.99
## 940  2021-04-04 California       State      Epsilon      34     17.80
## 941  2021-04-05 California       State        Alpha     225     38.33
## 942  2021-04-05 California       State         Beta       2      0.34
## 943  2021-04-05 California       State      Omicron       0      0.00
## 944  2021-04-05 California       State        Gamma      28      4.77
## 945  2021-04-05 California       State       Lambda       0      0.00
## 946  2021-04-05 California       State        Delta       2      0.34
## 947  2021-04-05 California       State           Mu       0      0.00
## 948  2021-04-05 California       State      Epsilon     173     29.47
## 949  2021-04-05 California       State        Other     157     26.75
## 950  2021-04-05 California       State        Total     587    100.00
## 951  2021-04-06 California       State        Gamma      20      3.89
## 952  2021-04-06 California       State        Total     514    100.00
```

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## 953  2021-04-06 California        State         Mu        0      0.00
## 954  2021-04-06 California        State     Epsilon      135     26.26
## 955  2021-04-06 California        State       Other      140     27.24
## 956  2021-04-06 California        State       Delta        4      0.78
## 957  2021-04-06 California        State      Lambda        1      0.19
## 958  2021-04-06 California        State        Beta        6      1.17
## 959  2021-04-06 California        State     Omicron        0      0.00
## 960  2021-04-06 California        State       Alpha      208     40.47
## 961  2021-04-07 California        State       Alpha      214     44.58
## 962  2021-04-07 California        State       Total      480    100.00
## 963  2021-04-07 California        State          Mu        0      0.00
## 964  2021-04-07 California        State      Lambda        2      0.42
## 965  2021-04-07 California        State       Other       99     20.62
## 966  2021-04-07 California        State     Epsilon      135     28.12
## 967  2021-04-07 California        State        Beta        0      0.00
## 968  2021-04-07 California        State     Omicron        0      0.00
## 969  2021-04-07 California        State       Delta        1      0.21
## 970  2021-04-07 California        State       Gamma       29      6.04
## 971  2021-04-08 California        State          Mu        0      0.00
## 972  2021-04-08 California        State        Beta        0      0.00
## 973  2021-04-08 California        State      Lambda        0      0.00
## 974  2021-04-08 California        State       Other       67     17.63
## 975  2021-04-08 California        State       Delta        0      0.00
## 976  2021-04-08 California        State       Total      380    100.00
## 977  2021-04-08 California        State       Alpha      213     56.05
## 978  2021-04-08 California        State       Gamma       36      9.47
## 979  2021-04-08 California        State     Omicron        0      0.00
## 980  2021-04-08 California        State     Epsilon       64     16.84
## 981  2021-04-09 California        State       Delta        0      0.00
## 982  2021-04-09 California        State       Other       79     20.36
## 983  2021-04-09 California        State        Beta        3      0.77
## 984  2021-04-09 California        State      Lambda        2      0.52
## 985  2021-04-09 California        State     Omicron        0      0.00
## 986  2021-04-09 California        State          Mu        0      0.00
## 987  2021-04-09 California        State       Alpha      191     49.23
## 988  2021-04-09 California        State     Epsilon       84     21.65
## 989  2021-04-09 California        State       Gamma       29      7.47
## 990  2021-04-09 California        State       Total      388    100.00
## 991  2021-04-10 California        State       Total      300    100.00
## 992  2021-04-10 California        State       Alpha      164     54.67
## 993  2021-04-10 California        State       Delta        0      0.00
## 994  2021-04-10 California        State       Other       49     16.33
## 995  2021-04-10 California        State       Gamma       22      7.33
## 996  2021-04-10 California        State     Omicron        0      0.00
## 997  2021-04-10 California        State      Lambda        0      0.00
## 998  2021-04-10 California        State          Mu        0      0.00
## 999  2021-04-10 California        State     Epsilon       65     21.67
## 1000 2021-04-10 California        State        Beta        0      0.00
## 1001 2021-04-11 California        State          Mu        0      0.00
## 1002 2021-04-11 California        State     Epsilon       28     12.56
## 1003 2021-04-11 California        State        Beta        1      0.45
## 1004 2021-04-11 California        State     Omicron        0      0.00
## 1005 2021-04-11 California        State       Total      223    100.00
## 1006 2021-04-11 California        State      Lambda        0      0.00
```

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## 1007 2021-04-11 California          State           Delta          3          1.35
## 1008 2021-04-11 California          State           Gamma         22          9.87
## 1009 2021-04-11 California          State           Other         43         19.28
## 1010 2021-04-11 California          State           Alpha        126         56.50
## 1011 2021-04-12 California          State              Mu          0          0.00
## 1012 2021-04-12 California          State         Epsilon         86         19.77
## 1013 2021-04-12 California          State           Total        435        100.00
## 1014 2021-04-12 California          State            Beta          1          0.23
## 1015 2021-04-12 California          State         Omicron          0          0.00
## 1016 2021-04-12 California          State          Lambda          1          0.23
## 1017 2021-04-12 California          State           Gamma         33          7.59
## 1018 2021-04-12 California          State           Other        107         24.60
## 1019 2021-04-12 California          State           Delta          7          1.61
## 1020 2021-04-12 California          State           Alpha        200         45.98
## 1021 2021-04-13 California          State           Total        469        100.00
## 1022 2021-04-13 California          State           Delta          6          1.28
## 1023 2021-04-13 California          State            Beta          3          0.64
## 1024 2021-04-13 California          State           Gamma         42          8.96
## 1025 2021-04-13 California          State         Omicron          0          0.00
## 1026 2021-04-13 California          State           Other        103         21.96
## 1027 2021-04-13 California          State          Lambda          1          0.21
## 1028 2021-04-13 California          State              Mu          0          0.00
## 1029 2021-04-13 California          State           Alpha        226         48.19
## 1030 2021-04-13 California          State         Epsilon         88         18.76
## 1031 2021-04-14 California          State            Beta          1          0.23
## 1032 2021-04-14 California          State           Gamma         30          6.82
## 1033 2021-04-14 California          State           Other         86         19.55
## 1034 2021-04-14 California          State              Mu          0          0.00
## 1035 2021-04-14 California          State           Alpha        249         56.59
## 1036 2021-04-14 California          State           Delta          3          0.68
## 1037 2021-04-14 California          State         Epsilon         70         15.91
## 1038 2021-04-14 California          State          Lambda          1          0.23
## 1039 2021-04-14 California          State         Omicron          0          0.00
## 1040 2021-04-14 California          State           Total        440        100.00
## 1041 2021-04-15 California          State           Gamma         35          8.14
## 1042 2021-04-15 California          State              Mu          0          0.00
## 1043 2021-04-15 California          State         Epsilon         84         19.53
## 1044 2021-04-15 California          State           Other         80         18.60
## 1045 2021-04-15 California          State           Delta          7          1.63
## 1046 2021-04-15 California          State           Total        430        100.00
## 1047 2021-04-15 California          State          Lambda          0          0.00
## 1048 2021-04-15 California          State            Beta          2          0.47
## 1049 2021-04-15 California          State           Alpha        222         51.63
## 1050 2021-04-15 California          State         Omicron          0          0.00
## 1051 2021-04-16 California          State          Lambda          3          0.69
## 1052 2021-04-16 California          State           Other         79         18.20
## 1053 2021-04-16 California          State              Mu          0          0.00
## 1054 2021-04-16 California          State         Omicron          0          0.00
## 1055 2021-04-16 California          State           Gamma         41          9.45
## 1056 2021-04-16 California          State         Epsilon         76         17.51
## 1057 2021-04-16 California          State           Alpha        224         51.61
## 1058 2021-04-16 California          State           Total        434        100.00
## 1059 2021-04-16 California          State           Delta          6          1.38
## 1060 2021-04-16 California          State            Beta          5          1.15
```

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## 1061 2021-04-17 California      State     Epsilon      34       13.82
## 1062 2021-04-17 California      State       Gamma      30       12.20
## 1063 2021-04-17 California      State       Delta       3        1.22
## 1064 2021-04-17 California      State       Alpha     125       50.81
## 1065 2021-04-17 California      State       Total     246      100.00
## 1066 2021-04-17 California      State      Lambda       0        0.00
## 1067 2021-04-17 California      State        Beta       6        2.44
## 1068 2021-04-17 California      State       Other      48       19.51
## 1069 2021-04-17 California      State          Mu       0        0.00
## 1070 2021-04-17 California      State     Omicron       0        0.00
## 1071 2021-04-18 California      State       Alpha      93       52.84
## 1072 2021-04-18 California      State       Delta       3        1.70
## 1073 2021-04-18 California      State       Other      35       19.89
## 1074 2021-04-18 California      State          Mu       0        0.00
## 1075 2021-04-18 California      State     Epsilon      17        9.66
## 1076 2021-04-18 California      State     Omicron       0        0.00
## 1077 2021-04-18 California      State      Lambda       0        0.00
## 1078 2021-04-18 California      State        Beta       0        0.00
## 1079 2021-04-18 California      State       Total     176      100.00
## 1080 2021-04-18 California      State       Gamma      28       15.91
## 1081 2021-04-19 California      State       Delta      11        2.66
## 1082 2021-04-19 California      State      Lambda       3        0.72
## 1083 2021-04-19 California      State     Omicron       0        0.00
## 1084 2021-04-19 California      State          Mu       0        0.00
## 1085 2021-04-19 California      State       Other      81       19.57
## 1086 2021-04-19 California      State       Total     414      100.00
## 1087 2021-04-19 California      State        Beta       1        0.24
## 1088 2021-04-19 California      State       Gamma      41        9.90
## 1089 2021-04-19 California      State       Alpha     224       54.11
## 1090 2021-04-19 California      State     Epsilon      53       12.80
## 1091 2021-04-20 California      State       Total     374      100.00
## 1092 2021-04-20 California      State       Gamma      30        8.02
## 1093 2021-04-20 California      State        Beta       5        1.34
## 1094 2021-04-20 California      State       Delta      14        3.74
## 1095 2021-04-20 California      State       Other      72       19.25
## 1096 2021-04-20 California      State     Epsilon      25        6.68
## 1097 2021-04-20 California      State          Mu       0        0.00
## 1098 2021-04-20 California      State      Lambda       2        0.53
## 1099 2021-04-20 California      State       Alpha     226       60.43
## 1100 2021-04-20 California      State     Omicron       0        0.00
## 1101 2021-04-21 California      State       Alpha     187       56.16
## 1102 2021-04-21 California      State     Epsilon      35       10.51
## 1103 2021-04-21 California      State       Gamma      32        9.61
## 1104 2021-04-21 California      State       Delta       6        1.80
## 1105 2021-04-21 California      State          Mu       0        0.00
## 1106 2021-04-21 California      State       Other      71       21.32
## 1107 2021-04-21 California      State       Total     333      100.00
## 1108 2021-04-21 California      State     Omicron       0        0.00
## 1109 2021-04-21 California      State        Beta       2        0.60
## 1110 2021-04-21 California      State      Lambda       0        0.00
## 1111 2021-04-22 California      State       Delta      10        2.81
## 1112 2021-04-22 California      State        Beta       3        0.84
## 1113 2021-04-22 California      State     Omicron       0        0.00
## 1114 2021-04-22 California      State       Other      86       24.16
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## 1115 2021-04-22 California        State         Mu        1      0.28
## 1116 2021-04-22 California        State    Epsilon       37     10.39
## 1117 2021-04-22 California        State     Lambda        1      0.28
## 1118 2021-04-22 California        State      Gamma       32      8.99
## 1119 2021-04-22 California        State      Alpha      186     52.25
## 1120 2021-04-22 California        State      Total      356    100.00
## 1121 2021-04-23 California        State       Beta        3      0.81
## 1122 2021-04-23 California        State      Total      369    100.00
## 1123 2021-04-23 California        State      Other       67     18.16
## 1124 2021-04-23 California        State    Epsilon       53     14.36
## 1125 2021-04-23 California        State      Alpha      199     53.93
## 1126 2021-04-23 California        State     Lambda        4      1.08
## 1127 2021-04-23 California        State      Delta        9      2.44
## 1128 2021-04-23 California        State      Gamma       34      9.21
## 1129 2021-04-23 California        State    Omicron        0      0.00
## 1130 2021-04-23 California        State         Mu        0      0.00
## 1131 2021-04-24 California        State      Total      140    100.00
## 1132 2021-04-24 California        State     Lambda        3      2.14
## 1133 2021-04-24 California        State      Gamma        9      6.43
## 1134 2021-04-24 California        State      Other       27     19.29
## 1135 2021-04-24 California        State       Beta        0      0.00
## 1136 2021-04-24 California        State         Mu        0      0.00
## 1137 2021-04-24 California        State      Alpha       83     59.29
## 1138 2021-04-24 California        State      Delta        5      3.57
## 1139 2021-04-24 California        State    Omicron        0      0.00
## 1140 2021-04-24 California        State    Epsilon       13      9.29
## 1141 2021-04-25 California        State      Alpha       71     52.21
## 1142 2021-04-25 California        State      Delta        8      5.88
## 1143 2021-04-25 California        State    Epsilon       11      8.09
## 1144 2021-04-25 California        State      Total      136    100.00
## 1145 2021-04-25 California        State         Mu        0      0.00
## 1146 2021-04-25 California        State      Other       35     25.74
## 1147 2021-04-25 California        State      Gamma       10      7.35
## 1148 2021-04-25 California        State       Beta        0      0.00
## 1149 2021-04-25 California        State     Lambda        1      0.74
## 1150 2021-04-25 California        State    Omicron        0      0.00
## 1151 2021-04-26 California        State      Gamma       36      9.21
## 1152 2021-04-26 California        State     Lambda        5      1.28
## 1153 2021-04-26 California        State      Delta       11      2.81
## 1154 2021-04-26 California        State      Other       76     19.44
## 1155 2021-04-26 California        State    Epsilon       34      8.70
## 1156 2021-04-26 California        State    Omicron        0      0.00
## 1157 2021-04-26 California        State      Total      391    100.00
## 1158 2021-04-26 California        State      Alpha      226     57.80
## 1159 2021-04-26 California        State       Beta        3      0.77
## 1160 2021-04-26 California        State         Mu        0      0.00
## 1161 2021-04-27 California        State     Lambda        3      0.81
## 1162 2021-04-27 California        State      Gamma       28      7.59
## 1163 2021-04-27 California        State       Beta        1      0.27
## 1164 2021-04-27 California        State         Mu        3      0.81
## 1165 2021-04-27 California        State      Delta       13      3.52
## 1166 2021-04-27 California        State      Alpha      212     57.45
## 1167 2021-04-27 California        State    Epsilon       32      8.67
## 1168 2021-04-27 California        State    Omicron        0      0.00
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## 1169 2021-04-27 California        State        Total      369     100.00
## 1170 2021-04-27 California        State        Other       77      20.87
## 1171 2021-04-28 California        State      Epsilon       39       9.26
## 1172 2021-04-28 California        State        Alpha      219      52.02
## 1173 2021-04-28 California        State        Total      421     100.00
## 1174 2021-04-28 California        State        Other       93      22.09
## 1175 2021-04-28 California        State       Lambda        6       1.43
## 1176 2021-04-28 California        State         Beta        5       1.19
## 1177 2021-04-28 California        State        Gamma       42       9.98
## 1178 2021-04-28 California        State        Delta       16       3.80
## 1179 2021-04-28 California        State           Mu        1       0.24
## 1180 2021-04-28 California        State      Omicron        0       0.00
## 1181 2021-04-29 California        State       Lambda        2       0.52
## 1182 2021-04-29 California        State        Total      388     100.00
## 1183 2021-04-29 California        State      Omicron        0       0.00
## 1184 2021-04-29 California        State        Alpha      202      52.06
## 1185 2021-04-29 California        State      Epsilon       37       9.54
## 1186 2021-04-29 California        State         Beta        8       2.06
## 1187 2021-04-29 California        State        Other       82      21.13
## 1188 2021-04-29 California        State        Delta       24       6.19
## 1189 2021-04-29 California        State        Gamma       33       8.51
## 1190 2021-04-29 California        State           Mu        0       0.00
## 1191 2021-04-30 California        State      Epsilon       24       7.19
## 1192 2021-04-30 California        State        Delta       18       5.39
## 1193 2021-04-30 California        State         Beta        1       0.30
## 1194 2021-04-30 California        State        Other       50      14.97
## 1195 2021-04-30 California        State       Lambda        3       0.90
## 1196 2021-04-30 California        State        Alpha      210      62.87
## 1197 2021-04-30 California        State           Mu        0       0.00
## 1198 2021-04-30 California        State      Omicron        0       0.00
## 1199 2021-04-30 California        State        Total      334     100.00
## 1200 2021-04-30 California        State        Gamma       28       8.38
## 1201 2021-05-01 California        State         Beta        6       2.60
## 1202 2021-05-01 California        State       Lambda        0       0.00
## 1203 2021-05-01 California        State        Alpha      131      56.71
## 1204 2021-05-01 California        State      Epsilon       26      11.26
## 1205 2021-05-01 California        State        Other       28      12.12
## 1206 2021-05-01 California        State           Mu        0       0.00
## 1207 2021-05-01 California        State      Omicron        0       0.00
## 1208 2021-05-01 California        State        Gamma       26      11.26
## 1209 2021-05-01 California        State        Total      231     100.00
## 1210 2021-05-01 California        State        Delta       14       6.06
## 1211 2021-05-02 California        State        Gamma       15      11.45
## 1212 2021-05-02 California        State       Lambda        1       0.76
## 1213 2021-05-02 California        State           Mu        1       0.76
## 1214 2021-05-02 California        State      Epsilon        8       6.11
## 1215 2021-05-02 California        State        Total      131     100.00
## 1216 2021-05-02 California        State        Alpha       68      51.91
## 1217 2021-05-02 California        State        Other       29      22.14
## 1218 2021-05-02 California        State      Omicron        0       0.00
## 1219 2021-05-02 California        State         Beta        0       0.00
## 1220 2021-05-02 California        State        Delta        9       6.87
## 1221 2021-05-03 California        State      Epsilon       24       7.02
## 1222 2021-05-03 California        State        Alpha      197      57.60
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## 1223 2021-05-03 California       State      Delta      11      3.22
## 1224 2021-05-03 California       State         Mu       0      0.00
## 1225 2021-05-03 California       State      Other      68     19.88
## 1226 2021-05-03 California       State     Lambda       3      0.88
## 1227 2021-05-03 California       State      Total     342    100.00
## 1228 2021-05-03 California       State    Omicron       0      0.00
## 1229 2021-05-03 California       State      Gamma      36     10.53
## 1230 2021-05-03 California       State       Beta       3      0.88
## 1231 2021-05-04 California       State    Epsilon      30      8.67
## 1232 2021-05-04 California       State      Total     346    100.00
## 1233 2021-05-04 California       State       Beta       5      1.45
## 1234 2021-05-04 California       State         Mu       3      0.87
## 1235 2021-05-04 California       State      Alpha     196     56.65
## 1236 2021-05-04 California       State     Lambda       2      0.58
## 1237 2021-05-04 California       State    Omicron       0      0.00
## 1238 2021-05-04 California       State      Gamma      44     12.72
## 1239 2021-05-04 California       State      Other      48     13.87
## 1240 2021-05-04 California       State      Delta      18      5.20
## 1241 2021-05-05 California       State         Mu       2      0.57
## 1242 2021-05-05 California       State    Omicron       0      0.00
## 1243 2021-05-05 California       State      Other      74     21.26
## 1244 2021-05-05 California       State     Lambda       6      1.72
## 1245 2021-05-05 California       State       Beta       0      0.00
## 1246 2021-05-05 California       State      Delta      19      5.46
## 1247 2021-05-05 California       State      Gamma      38     10.92
## 1248 2021-05-05 California       State      Alpha     187     53.74
## 1249 2021-05-05 California       State      Total     348    100.00
## 1250 2021-05-05 California       State    Epsilon      22      6.32
## 1251 2021-05-06 California       State      Alpha     208     56.99
## 1252 2021-05-06 California       State      Other      63     17.26
## 1253 2021-05-06 California       State      Delta      20      5.48
## 1254 2021-05-06 California       State    Epsilon      23      6.30
## 1255 2021-05-06 California       State       Beta       2      0.55
## 1256 2021-05-06 California       State         Mu       1      0.27
## 1257 2021-05-06 California       State    Omicron       0      0.00
## 1258 2021-05-06 California       State     Lambda       2      0.55
## 1259 2021-05-06 California       State      Gamma      46     12.60
## 1260 2021-05-06 California       State      Total     365    100.00
## 1261 2021-05-07 California       State    Omicron       0      0.00
## 1262 2021-05-07 California       State      Delta      22      7.43
## 1263 2021-05-07 California       State         Mu       0      0.00
## 1264 2021-05-07 California       State      Total     296    100.00
## 1265 2021-05-07 California       State     Lambda       0      0.00
## 1266 2021-05-07 California       State    Epsilon      20      6.76
## 1267 2021-05-07 California       State      Gamma      33     11.15
## 1268 2021-05-07 California       State      Other      49     16.55
## 1269 2021-05-07 California       State      Alpha     170     57.43
## 1270 2021-05-07 California       State       Beta       2      0.68
## 1271 2021-05-08 California       State      Alpha     105     64.81
## 1272 2021-05-08 California       State         Mu       3      1.85
## 1273 2021-05-08 California       State    Epsilon       5      3.09
## 1274 2021-05-08 California       State    Omicron       0      0.00
## 1275 2021-05-08 California       State      Gamma       9      5.56
## 1276 2021-05-08 California       State     Lambda       2      1.23
```

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## 1277 2021-05-08 California      State      Beta       0      0.00
## 1278 2021-05-08 California      State     Delta      10      6.17
## 1279 2021-05-08 California      State     Other      28     17.28
## 1280 2021-05-08 California      State     Total     162    100.00
## 1281 2021-05-09 California      State        Mu       1      0.85
## 1282 2021-05-09 California      State   Epsilon       2      1.69
## 1283 2021-05-09 California      State     Other      19     16.10
## 1284 2021-05-09 California      State   Omicron       0      0.00
## 1285 2021-05-09 California      State      Beta       0      0.00
## 1286 2021-05-09 California      State     Delta       4      3.39
## 1287 2021-05-09 California      State     Total     118    100.00
## 1288 2021-05-09 California      State     Alpha      67     56.78
## 1289 2021-05-09 California      State    Lambda      10      8.47
## 1290 2021-05-09 California      State     Gamma      15     12.71
## 1291 2021-05-10 California      State     Gamma      26      9.81
## 1292 2021-05-10 California      State     Total     265    100.00
## 1293 2021-05-10 California      State     Delta      17      6.42
## 1294 2021-05-10 California      State      Beta       2      0.75
## 1295 2021-05-10 California      State   Epsilon      12      4.53
## 1296 2021-05-10 California      State     Other      46     17.36
## 1297 2021-05-10 California      State     Alpha     160     60.38
## 1298 2021-05-10 California      State        Mu       0      0.00
## 1299 2021-05-10 California      State   Omicron       0      0.00
## 1300 2021-05-10 California      State    Lambda       2      0.75
## 1301 2021-05-11 California      State      Beta       0      0.00
## 1302 2021-05-11 California      State     Alpha     148     59.92
## 1303 2021-05-11 California      State    Lambda       2      0.81
## 1304 2021-05-11 California      State     Gamma      28     11.34
## 1305 2021-05-11 California      State   Omicron       0      0.00
## 1306 2021-05-11 California      State     Other      43     17.41
## 1307 2021-05-11 California      State   Epsilon      12      4.86
## 1308 2021-05-11 California      State        Mu       0      0.00
## 1309 2021-05-11 California      State     Total     247    100.00
## 1310 2021-05-11 California      State     Delta      14      5.67
## 1311 2021-05-12 California      State   Epsilon      19      6.69
## 1312 2021-05-12 California      State     Other      52     18.31
## 1313 2021-05-12 California      State        Mu       0      0.00
## 1314 2021-05-12 California      State     Total     284    100.00
## 1315 2021-05-12 California      State      Beta       0      0.00
## 1316 2021-05-12 California      State     Alpha     164     57.75
## 1317 2021-05-12 California      State   Omicron       0      0.00
## 1318 2021-05-12 California      State     Delta      16      5.63
## 1319 2021-05-12 California      State    Lambda       7      2.46
## 1320 2021-05-12 California      State     Gamma      26      9.15
## 1321 2021-05-13 California      State   Omicron       0      0.00
## 1322 2021-05-13 California      State     Alpha     169     67.87
## 1323 2021-05-13 California      State     Gamma      22      8.84
## 1324 2021-05-13 California      State     Other      40     16.06
## 1325 2021-05-13 California      State   Epsilon       8      3.21
## 1326 2021-05-13 California      State     Delta       9      3.61
## 1327 2021-05-13 California      State        Mu       1      0.40
## 1328 2021-05-13 California      State    Lambda       0      0.00
## 1329 2021-05-13 California      State      Beta       0      0.00
## 1330 2021-05-13 California      State     Total     249    100.00
```

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## 1331 2021-05-14 California       State       Total    259  100.00
## 1332 2021-05-14 California       State        Beta      2    0.77
## 1333 2021-05-14 California       State      Omicron      0    0.00
## 1334 2021-05-14 California       State       Alpha    164   63.32
## 1335 2021-05-14 California       State       Gamma     28   10.81
## 1336 2021-05-14 California       State          Mu      1    0.39
## 1337 2021-05-14 California       State     Epsilon     12    4.63
## 1338 2021-05-14 California       State       Delta      8    3.09
## 1339 2021-05-14 California       State       Other     44   16.99
## 1340 2021-05-14 California       State      Lambda      0    0.00
## 1341 2021-05-15 California       State       Delta      3    2.26
## 1342 2021-05-15 California       State       Alpha     83   62.41
## 1343 2021-05-15 California       State        Beta      0    0.00
## 1344 2021-05-15 California       State     Epsilon      6    4.51
## 1345 2021-05-15 California       State     Omicron      0    0.00
## 1346 2021-05-15 California       State       Total    133  100.00
## 1347 2021-05-15 California       State      Lambda      1    0.75
## 1348 2021-05-15 California       State       Gamma     10    7.52
## 1349 2021-05-15 California       State       Other     30   22.56
## 1350 2021-05-15 California       State          Mu      0    0.00
## 1351 2021-05-16 California       State       Other     16   17.58
## 1352 2021-05-16 California       State          Mu      0    0.00
## 1353 2021-05-16 California       State       Delta      3    3.30
## 1354 2021-05-16 California       State     Epsilon     10   10.99
## 1355 2021-05-16 California       State       Total     91  100.00
## 1356 2021-05-16 California       State      Lambda      0    0.00
## 1357 2021-05-16 California       State       Gamma     10   10.99
## 1358 2021-05-16 California       State        Beta      0    0.00
## 1359 2021-05-16 California       State     Omicron      0    0.00
## 1360 2021-05-16 California       State       Alpha     52   57.14
## 1361 2021-05-17 California       State       Delta     11    4.18
## 1362 2021-05-17 California       State     Omicron      0    0.00
## 1363 2021-05-17 California       State       Total    263  100.00
## 1364 2021-05-17 California       State          Mu      2    0.76
## 1365 2021-05-17 California       State      Lambda      1    0.38
## 1366 2021-05-17 California       State       Other     62   23.57
## 1367 2021-05-17 California       State       Alpha    143   54.37
## 1368 2021-05-17 California       State       Gamma     29   11.03
## 1369 2021-05-17 California       State     Epsilon     15    5.70
## 1370 2021-05-17 California       State        Beta      0    0.00
## 1371 2021-05-18 California       State       Delta      8    3.31
## 1372 2021-05-18 California       State       Gamma     32   13.22
## 1373 2021-05-18 California       State      Lambda      0    0.00
## 1374 2021-05-18 California       State       Other     44   18.18
## 1375 2021-05-18 California       State     Epsilon      9    3.72
## 1376 2021-05-18 California       State       Alpha    149   61.57
## 1377 2021-05-18 California       State       Total    242  100.00
## 1378 2021-05-18 California       State          Mu      0    0.00
## 1379 2021-05-18 California       State        Beta      0    0.00
## 1380 2021-05-18 California       State     Omicron      0    0.00
## 1381 2021-05-19 California       State          Mu      1    0.39
## 1382 2021-05-19 California       State       Gamma     29   11.33
## 1383 2021-05-19 California       State       Alpha    156   60.94
## 1384 2021-05-19 California       State      Lambda      0    0.00
```

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## 1385 2021-05-19 California        State        Epsilon       12        4.69
## 1386 2021-05-19 California        State          Delta       13        5.08
## 1387 2021-05-19 California        State        Omicron        0        0.00
## 1388 2021-05-19 California        State           Beta        1        0.39
## 1389 2021-05-19 California        State          Total      256      100.00
## 1390 2021-05-19 California        State          Other       44       17.19
## 1391 2021-05-20 California        State        Epsilon        5        2.18
## 1392 2021-05-20 California        State          Other       57       24.89
## 1393 2021-05-20 California        State             Mu        2        0.87
## 1394 2021-05-20 California        State        Omicron        0        0.00
## 1395 2021-05-20 California        State         Lambda        3        1.31
## 1396 2021-05-20 California        State           Beta        0        0.00
## 1397 2021-05-20 California        State          Gamma       23       10.04
## 1398 2021-05-20 California        State          Total      229      100.00
## 1399 2021-05-20 California        State          Alpha      130       56.77
## 1400 2021-05-20 California        State          Delta        9        3.93
## 1401 2021-05-21 California        State          Delta       14        7.22
## 1402 2021-05-21 California        State          Alpha      120       61.86
## 1403 2021-05-21 California        State        Omicron        0        0.00
## 1404 2021-05-21 California        State        Epsilon        9        4.64
## 1405 2021-05-21 California        State             Mu        1        0.52
## 1406 2021-05-21 California        State         Lambda        6        3.09
## 1407 2021-05-21 California        State          Total      194      100.00
## 1408 2021-05-21 California        State           Beta        1        0.52
## 1409 2021-05-21 California        State          Other       30       15.46
## 1410 2021-05-21 California        State          Gamma       13        6.70
## 1411 2021-05-22 California        State             Mu        0        0.00
## 1412 2021-05-22 California        State          Total      124      100.00
## 1413 2021-05-22 California        State        Epsilon        6        4.84
## 1414 2021-05-22 California        State          Other       27       21.77
## 1415 2021-05-22 California        State          Gamma       12        9.68
## 1416 2021-05-22 California        State          Alpha       70       56.45
## 1417 2021-05-22 California        State         Lambda        0        0.00
## 1418 2021-05-22 California        State          Delta        9        7.26
## 1419 2021-05-22 California        State           Beta        0        0.00
## 1420 2021-05-22 California        State        Omicron        0        0.00
## 1421 2021-05-23 California        State         Lambda        0        0.00
## 1422 2021-05-23 California        State          Delta        6       10.00
## 1423 2021-05-23 California        State           Beta        0        0.00
## 1424 2021-05-23 California        State             Mu        0        0.00
## 1425 2021-05-23 California        State          Alpha       30       50.00
## 1426 2021-05-23 California        State          Gamma        7       11.67
## 1427 2021-05-23 California        State        Omicron        0        0.00
## 1428 2021-05-23 California        State          Total       60      100.00
## 1429 2021-05-23 California        State          Other       12       20.00
## 1430 2021-05-23 California        State        Epsilon        5        8.33
## 1431 2021-05-24 California        State           Beta        2        0.93
## 1432 2021-05-24 California        State         Lambda        1        0.47
## 1433 2021-05-24 California        State          Alpha      112       52.09
## 1434 2021-05-24 California        State          Other       36       16.74
## 1435 2021-05-24 California        State          Total      215      100.00
## 1436 2021-05-24 California        State          Gamma       29       13.49
## 1437 2021-05-24 California        State             Mu        3        1.40
## 1438 2021-05-24 California        State          Delta       23       10.70
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## 1439 2021-05-24 California        State     Omicron       0       0.00
## 1440 2021-05-24 California        State     Epsilon       9       4.19
## 1441 2021-05-25 California        State          Mu       6       3.08
## 1442 2021-05-25 California        State     Epsilon       9       4.62
## 1443 2021-05-25 California        State       Alpha     110      56.41
## 1444 2021-05-25 California        State       Gamma      16       8.21
## 1445 2021-05-25 California        State      Lambda       1       0.51
## 1446 2021-05-25 California        State       Other      38      19.49
## 1447 2021-05-25 California        State        Beta       0       0.00
## 1448 2021-05-25 California        State       Total     195     100.00
## 1449 2021-05-25 California        State     Omicron       0       0.00
## 1450 2021-05-25 California        State       Delta      15       7.69
## 1451 2021-05-26 California        State        Beta       0       0.00
## 1452 2021-05-26 California        State       Delta      22       9.95
## 1453 2021-05-26 California        State       Gamma      35      15.84
## 1454 2021-05-26 California        State          Mu       5       2.26
## 1455 2021-05-26 California        State       Alpha     119      53.85
## 1456 2021-05-26 California        State      Lambda       0       0.00
## 1457 2021-05-26 California        State       Other      37      16.74
## 1458 2021-05-26 California        State     Epsilon       3       1.36
## 1459 2021-05-26 California        State       Total     221     100.00
## 1460 2021-05-26 California        State     Omicron       0       0.00
## 1461 2021-05-27 California        State      Lambda       2       0.96
## 1462 2021-05-27 California        State     Epsilon       1       0.48
## 1463 2021-05-27 California        State       Alpha     121      57.89
## 1464 2021-05-27 California        State     Omicron       0       0.00
## 1465 2021-05-27 California        State       Delta      27      12.92
## 1466 2021-05-27 California        State       Other      33      15.79
## 1467 2021-05-27 California        State       Gamma      23      11.00
## 1468 2021-05-27 California        State          Mu       2       0.96
## 1469 2021-05-27 California        State        Beta       0       0.00
## 1470 2021-05-27 California        State       Total     209     100.00
## 1471 2021-05-28 California        State     Omicron       0       0.00
## 1472 2021-05-28 California        State      Lambda       2       1.02
## 1473 2021-05-28 California        State       Total     196     100.00
## 1474 2021-05-28 California        State     Epsilon       5       2.55
## 1475 2021-05-28 California        State       Delta      29      14.80
## 1476 2021-05-28 California        State          Mu       2       1.02
## 1477 2021-05-28 California        State       Gamma      23      11.73
## 1478 2021-05-28 California        State       Other      33      16.84
## 1479 2021-05-28 California        State       Alpha     102      52.04
## 1480 2021-05-28 California        State        Beta       0       0.00
## 1481 2021-05-29 California        State       Delta      16      15.69
## 1482 2021-05-29 California        State          Mu       1       0.98
## 1483 2021-05-29 California        State        Beta       1       0.98
## 1484 2021-05-29 California        State     Omicron       0       0.00
## 1485 2021-05-29 California        State       Gamma      11      10.78
## 1486 2021-05-29 California        State     Epsilon       4       3.92
## 1487 2021-05-29 California        State       Total     102     100.00
## 1488 2021-05-29 California        State      Lambda       0       0.00
## 1489 2021-05-29 California        State       Other      21      20.59
## 1490 2021-05-29 California        State       Alpha      48      47.06
## 1491 2021-05-30 California        State       Delta      18      23.68
## 1492 2021-05-30 California        State      Lambda       0       0.00
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## 1493 2021-05-30 California        State          Mu            1       1.32
## 1494 2021-05-30 California        State       Other           20      26.32
## 1495 2021-05-30 California        State       Gamma           10      13.16
## 1496 2021-05-30 California        State     Epsilon            2       2.63
## 1497 2021-05-30 California        State     Omicron            0       0.00
## 1498 2021-05-30 California        State        Beta            0       0.00
## 1499 2021-05-30 California        State       Total           76     100.00
## 1500 2021-05-30 California        State       Alpha           25      32.89
## 1501 2021-05-31 California        State          Mu            0       0.00
## 1502 2021-05-31 California        State       Other            7      17.07
## 1503 2021-05-31 California        State     Epsilon            1       2.44
## 1504 2021-05-31 California        State      Lambda            0       0.00
## 1505 2021-05-31 California        State       Delta           11      26.83
## 1506 2021-05-31 California        State       Total           41     100.00
## 1507 2021-05-31 California        State       Alpha           16      39.02
## 1508 2021-05-31 California        State        Beta            0       0.00
## 1509 2021-05-31 California        State       Gamma            6      14.63
## 1510 2021-05-31 California        State     Omicron            0       0.00
## 1511 2021-06-01 California        State          Mu            1       0.36
## 1512 2021-06-01 California        State       Alpha          140      51.09
## 1513 2021-06-01 California        State     Omicron            0       0.00
## 1514 2021-06-01 California        State       Total          274     100.00
## 1515 2021-06-01 California        State       Other           44      16.06
## 1516 2021-06-01 California        State      Lambda            0       0.00
## 1517 2021-06-01 California        State       Gamma           33      12.04
## 1518 2021-06-01 California        State        Beta            0       0.00
## 1519 2021-06-01 California        State       Delta           53      19.34
## 1520 2021-06-01 California        State     Epsilon            3       1.09
## 1521 2021-06-02 California        State          Mu            5       2.49
## 1522 2021-06-02 California        State       Delta           47      23.38
## 1523 2021-06-02 California        State        Beta            0       0.00
## 1524 2021-06-02 California        State       Other           24      11.94
## 1525 2021-06-02 California        State       Gamma           39      19.40
## 1526 2021-06-02 California        State      Lambda            0       0.00
## 1527 2021-06-02 California        State       Total          201     100.00
## 1528 2021-06-02 California        State     Omicron            0       0.00
## 1529 2021-06-02 California        State     Epsilon            2       1.00
## 1530 2021-06-02 California        State       Alpha           84      41.79
## 1531 2021-06-03 California        State       Total          203     100.00
## 1532 2021-06-03 California        State       Gamma           30      14.78
## 1533 2021-06-03 California        State     Omicron            0       0.00
## 1534 2021-06-03 California        State       Alpha           90      44.33
## 1535 2021-06-03 California        State       Other           35      17.24
## 1536 2021-06-03 California        State        Beta            0       0.00
## 1537 2021-06-03 California        State       Delta           40      19.70
## 1538 2021-06-03 California        State          Mu            4       1.97
## 1539 2021-06-03 California        State     Epsilon            3       1.48
## 1540 2021-06-03 California        State      Lambda            1       0.49
## 1541 2021-06-04 California        State      Lambda            0       0.00
## 1542 2021-06-04 California        State       Other           22      11.89
## 1543 2021-06-04 California        State       Alpha           82      44.32
## 1544 2021-06-04 California        State       Gamma           20      10.81
## 1545 2021-06-04 California        State          Mu            2       1.08
## 1546 2021-06-04 California        State     Omicron            0       0.00
```

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## 1547 2021-06-04 California          State       Beta          1       0.54
## 1548 2021-06-04 California          State    Epsilon          4       2.16
## 1549 2021-06-04 California          State      Total        185     100.00
## 1550 2021-06-04 California          State      Delta         54      29.19
## 1551 2021-06-05 California          State      Delta         29      26.61
## 1552 2021-06-05 California          State      Other         13      11.93
## 1553 2021-06-05 California          State    Omicron          0       0.00
## 1554 2021-06-05 California          State     Lambda          0       0.00
## 1555 2021-06-05 California          State       Beta          0       0.00
## 1556 2021-06-05 California          State    Epsilon          0       0.00
## 1557 2021-06-05 California          State         Mu          4       3.67
## 1558 2021-06-05 California          State      Total        109     100.00
## 1559 2021-06-05 California          State      Gamma         17      15.60
## 1560 2021-06-05 California          State      Alpha         46      42.20
## 1561 2021-06-06 California          State    Epsilon          0       0.00
## 1562 2021-06-06 California          State      Gamma         16      21.05
## 1563 2021-06-06 California          State      Alpha         32      42.11
## 1564 2021-06-06 California          State    Omicron          0       0.00
## 1565 2021-06-06 California          State      Delta         21      27.63
## 1566 2021-06-06 California          State       Beta          1       1.32
## 1567 2021-06-06 California          State         Mu          0       0.00
## 1568 2021-06-06 California          State      Other          6       7.89
## 1569 2021-06-06 California          State     Lambda          0       0.00
## 1570 2021-06-06 California          State      Total         76     100.00
## 1571 2021-06-07 California          State       Beta          0       0.00
## 1572 2021-06-07 California          State      Other         32      16.58
## 1573 2021-06-07 California          State         Mu          3       1.55
## 1574 2021-06-07 California          State      Total        193     100.00
## 1575 2021-06-07 California          State      Alpha         73      37.82
## 1576 2021-06-07 California          State    Epsilon          4       2.07
## 1577 2021-06-07 California          State      Delta         61      31.61
## 1578 2021-06-07 California          State     Lambda          0       0.00
## 1579 2021-06-07 California          State      Gamma         20      10.36
## 1580 2021-06-07 California          State    Omicron          0       0.00
## 1581 2021-06-08 California          State         Mu          4       2.02
## 1582 2021-06-08 California          State      Delta         68      34.34
## 1583 2021-06-08 California          State    Epsilon          3       1.52
## 1584 2021-06-08 California          State      Other         15       7.58
## 1585 2021-06-08 California          State      Alpha         78      39.39
## 1586 2021-06-08 California          State     Lambda          0       0.00
## 1587 2021-06-08 California          State    Omicron          0       0.00
## 1588 2021-06-08 California          State      Gamma         30      15.15
## 1589 2021-06-08 California          State      Total        198     100.00
## 1590 2021-06-08 California          State       Beta          0       0.00
## 1591 2021-06-09 California          State      Alpha         69      32.09
## 1592 2021-06-09 California          State    Epsilon          4       1.86
## 1593 2021-06-09 California          State      Other         23      10.70
## 1594 2021-06-09 California          State       Beta          1       0.47
## 1595 2021-06-09 California          State    Omicron          0       0.00
## 1596 2021-06-09 California          State      Gamma         28      13.02
## 1597 2021-06-09 California          State     Lambda          1       0.47
## 1598 2021-06-09 California          State         Mu          6       2.79
## 1599 2021-06-09 California          State      Delta         83      38.60
## 1600 2021-06-09 California          State      Total        215     100.00
```

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## 1601 2021-06-10 California      State    Gamma     35     14.77
## 1602 2021-06-10 California      State   Omicron      0      0.00
## 1603 2021-06-10 California      State    Other     29     12.24
## 1604 2021-06-10 California      State   Lambda      0      0.00
## 1605 2021-06-10 California      State     Beta      0      0.00
## 1606 2021-06-10 California      State  Epsilon      2      0.84
## 1607 2021-06-10 California      State    Total    237    100.00
## 1608 2021-06-10 California      State    Delta     87     36.71
## 1609 2021-06-10 California      State       Mu      7      2.95
## 1610 2021-06-10 California      State    Alpha     77     32.49
## 1611 2021-06-11 California      State    Alpha     79     35.11
## 1612 2021-06-11 California      State  Epsilon      0      0.00
## 1613 2021-06-11 California      State    Delta     94     41.78
## 1614 2021-06-11 California      State   Lambda      2      0.89
## 1615 2021-06-11 California      State       Mu      2      0.89
## 1616 2021-06-11 California      State    Gamma     25     11.11
## 1617 2021-06-11 California      State    Other     22      9.78
## 1618 2021-06-11 California      State     Beta      1      0.44
## 1619 2021-06-11 California      State    Total    225    100.00
## 1620 2021-06-11 California      State   Omicron      0      0.00
## 1621 2021-06-12 California      State    Other     12      8.05
## 1622 2021-06-12 California      State  Epsilon      4      2.68
## 1623 2021-06-12 California      State   Lambda      0      0.00
## 1624 2021-06-12 California      State   Omicron      0      0.00
## 1625 2021-06-12 California      State    Gamma     11      7.38
## 1626 2021-06-12 California      State     Beta      0      0.00
## 1627 2021-06-12 California      State    Alpha     61     40.94
## 1628 2021-06-12 California      State       Mu      2      1.34
## 1629 2021-06-12 California      State    Total    149    100.00
## 1630 2021-06-12 California      State    Delta     59     39.60
## 1631 2021-06-13 California      State    Alpha     49     32.89
## 1632 2021-06-13 California      State   Lambda      0      0.00
## 1633 2021-06-13 California      State    Total    149    100.00
## 1634 2021-06-13 California      State    Other     15     10.07
## 1635 2021-06-13 California      State    Delta     59     39.60
## 1636 2021-06-13 California      State    Gamma     20     13.42
## 1637 2021-06-13 California      State   Omicron      0      0.00
## 1638 2021-06-13 California      State     Beta      0      0.00
## 1639 2021-06-13 California      State  Epsilon      2      1.34
## 1640 2021-06-13 California      State       Mu      4      2.68
## 1641 2021-06-14 California      State   Lambda      1      0.33
## 1642 2021-06-14 California      State    Alpha     78     25.83
## 1643 2021-06-14 California      State    Total    302    100.00
## 1644 2021-06-14 California      State    Gamma     35     11.59
## 1645 2021-06-14 California      State    Delta    153     50.66
## 1646 2021-06-14 California      State     Beta      0      0.00
## 1647 2021-06-14 California      State  Epsilon      0      0.00
## 1648 2021-06-14 California      State   Omicron      0      0.00
## 1649 2021-06-14 California      State    Other     29      9.60
## 1650 2021-06-14 California      State       Mu      6      1.99
## 1651 2021-06-15 California      State     Beta      0      0.00
## 1652 2021-06-15 California      State    Total    228    100.00
## 1653 2021-06-15 California      State    Delta    105     46.05
## 1654 2021-06-15 California      State    Gamma     23     10.09
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## 1655 2021-06-15 California        State        Other       24      10.53
## 1656 2021-06-15 California        State       Omicron        0       0.00
## 1657 2021-06-15 California        State          Mu          3       1.32
## 1658 2021-06-15 California        State       Epsilon         2       0.88
## 1659 2021-06-15 California        State        Alpha         70      30.70
## 1660 2021-06-15 California        State       Lambda          1       0.44
## 1661 2021-06-16 California        State         Beta          0       0.00
## 1662 2021-06-16 California        State        Gamma         16       5.52
## 1663 2021-06-16 California        State        Alpha         90      31.03
## 1664 2021-06-16 California        State       Omicron         0       0.00
## 1665 2021-06-16 California        State       Epsilon         2       0.69
## 1666 2021-06-16 California        State        Delta        159      54.83
## 1667 2021-06-16 California        State        Total        290     100.00
## 1668 2021-06-16 California        State       Lambda          2       0.69
## 1669 2021-06-16 California        State        Other        15       5.17
## 1670 2021-06-16 California        State          Mu          6       2.07
## 1671 2021-06-17 California        State         Beta          0       0.00
## 1672 2021-06-17 California        State       Lambda          0       0.00
## 1673 2021-06-17 California        State        Total        278     100.00
## 1674 2021-06-17 California        State          Mu          3       1.08
## 1675 2021-06-17 California        State       Omicron         0       0.00
## 1676 2021-06-17 California        State        Gamma         30      10.79
## 1677 2021-06-17 California        State        Delta        136      48.92
## 1678 2021-06-17 California        State        Alpha         76      27.34
## 1679 2021-06-17 California        State       Epsilon         2       0.72
## 1680 2021-06-17 California        State        Other        31      11.15
## 1681 2021-06-18 California        State        Delta        108      50.47
## 1682 2021-06-18 California        State          Mu          6       2.80
## 1683 2021-06-18 California        State       Epsilon         1       0.47
## 1684 2021-06-18 California        State        Total        214     100.00
## 1685 2021-06-18 California        State         Beta          0       0.00
## 1686 2021-06-18 California        State       Omicron         0       0.00
## 1687 2021-06-18 California        State       Lambda          0       0.00
## 1688 2021-06-18 California        State        Gamma         31      14.49
## 1689 2021-06-18 California        State        Alpha         53      24.77
## 1690 2021-06-18 California        State        Other        15       7.01
## 1691 2021-06-19 California        State       Epsilon         0       0.00
## 1692 2021-06-19 California        State        Delta         84      51.85
## 1693 2021-06-19 California        State         Beta          0       0.00
## 1694 2021-06-19 California        State        Total        162     100.00
## 1695 2021-06-19 California        State       Omicron         0       0.00
## 1696 2021-06-19 California        State          Mu          4       2.47
## 1697 2021-06-19 California        State        Other        18      11.11
## 1698 2021-06-19 California        State       Lambda          0       0.00
## 1699 2021-06-19 California        State        Alpha         45      27.78
## 1700 2021-06-19 California        State        Gamma         11       6.79
## 1701 2021-06-20 California        State         Beta          0       0.00
## 1702 2021-06-20 California        State        Other         8       6.25
## 1703 2021-06-20 California        State       Omicron         0       0.00
## 1704 2021-06-20 California        State        Gamma         22      17.19
## 1705 2021-06-20 California        State       Lambda          0       0.00
## 1706 2021-06-20 California        State       Epsilon         0       0.00
## 1707 2021-06-20 California        State        Delta         67      52.34
## 1708 2021-06-20 California        State          Mu          4       3.12
```

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## 1709 2021-06-20 California       State       Total       128    100.00
## 1710 2021-06-20 California       State       Alpha        27     21.09
## 1711 2021-06-21 California       State       Total       326    100.00
## 1712 2021-06-21 California       State       Delta       211     64.72
## 1713 2021-06-21 California       State       Other        19      5.83
## 1714 2021-06-21 California       State      Lambda         0      0.00
## 1715 2021-06-21 California       State          Mu         7      2.15
## 1716 2021-06-21 California       State     Epsilon         1      0.31
## 1717 2021-06-21 California       State       Gamma        26      7.98
## 1718 2021-06-21 California       State     Omicron         0      0.00
## 1719 2021-06-21 California       State        Beta         0      0.00
## 1720 2021-06-21 California       State       Alpha        62     19.02
## 1721 2021-06-22 California       State       Alpha        64     19.34
## 1722 2021-06-22 California       State       Other        37     11.18
## 1723 2021-06-22 California       State       Total       331    100.00
## 1724 2021-06-22 California       State       Delta       193     58.31
## 1725 2021-06-22 California       State       Gamma        28      8.46
## 1726 2021-06-22 California       State      Lambda         1      0.30
## 1727 2021-06-22 California       State     Epsilon         2      0.60
## 1728 2021-06-22 California       State     Omicron         0      0.00
## 1729 2021-06-22 California       State        Beta         0      0.00
## 1730 2021-06-22 California       State          Mu         6      1.81
## 1731 2021-06-23 California       State       Alpha        80     21.86
## 1732 2021-06-23 California       State       Delta       221     60.38
## 1733 2021-06-23 California       State        Beta         0      0.00
## 1734 2021-06-23 California       State     Omicron         0      0.00
## 1735 2021-06-23 California       State      Lambda         1      0.27
## 1736 2021-06-23 California       State       Gamma        30      8.20
## 1737 2021-06-23 California       State       Other        27      7.38
## 1738 2021-06-23 California       State          Mu         4      1.09
## 1739 2021-06-23 California       State       Total       366    100.00
## 1740 2021-06-23 California       State     Epsilon         3      0.82
## 1741 2021-06-24 California       State     Epsilon         1      0.25
## 1742 2021-06-24 California       State       Delta       261     63.97
## 1743 2021-06-24 California       State     Omicron         0      0.00
## 1744 2021-06-24 California       State       Alpha        73     17.89
## 1745 2021-06-24 California       State       Total       408    100.00
## 1746 2021-06-24 California       State       Other        32      7.84
## 1747 2021-06-24 California       State        Beta         0      0.00
## 1748 2021-06-24 California       State      Lambda         0      0.00
## 1749 2021-06-24 California       State       Gamma        33      8.09
## 1750 2021-06-24 California       State          Mu         8      1.96
## 1751 2021-06-25 California       State       Alpha        71     17.97
## 1752 2021-06-25 California       State       Other        14      3.54
## 1753 2021-06-25 California       State       Total       395    100.00
## 1754 2021-06-25 California       State        Beta         0      0.00
## 1755 2021-06-25 California       State       Gamma        34      8.61
## 1756 2021-06-25 California       State     Epsilon         1      0.25
## 1757 2021-06-25 California       State       Delta       266     67.34
## 1758 2021-06-25 California       State          Mu         9      2.28
## 1759 2021-06-25 California       State      Lambda         0      0.00
## 1760 2021-06-25 California       State     Omicron         0      0.00
## 1761 2021-06-26 California       State       Total       253    100.00
## 1762 2021-06-26 California       State       Gamma        21      8.30
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## 1763 2021-06-26 California      State      Epsilon      1      0.40
## 1764 2021-06-26 California      State        Other     27     10.67
## 1765 2021-06-26 California      State        Alpha     34     13.44
## 1766 2021-06-26 California      State       Lambda      0      0.00
## 1767 2021-06-26 California      State         Beta      0      0.00
## 1768 2021-06-26 California      State        Delta    163     64.43
## 1769 2021-06-26 California      State           Mu      7      2.77
## 1770 2021-06-26 California      State      Omicron      0      0.00
## 1771 2021-06-27 California      State       Lambda      0      0.00
## 1772 2021-06-27 California      State      Omicron      0      0.00
## 1773 2021-06-27 California      State         Beta      0      0.00
## 1774 2021-06-27 California      State        Alpha     23     10.95
## 1775 2021-06-27 California      State        Gamma     18      8.57
## 1776 2021-06-27 California      State        Total    210    100.00
## 1777 2021-06-27 California      State           Mu      4      1.90
## 1778 2021-06-27 California      State        Delta    157     74.76
## 1779 2021-06-27 California      State        Other      8      3.81
## 1780 2021-06-27 California      State      Epsilon      0      0.00
## 1781 2021-06-28 California      State      Epsilon      2      0.40
## 1782 2021-06-28 California      State        Gamma     32      6.37
## 1783 2021-06-28 California      State       Lambda      1      0.20
## 1784 2021-06-28 California      State        Alpha     60     11.95
## 1785 2021-06-28 California      State        Other     58     11.55
## 1786 2021-06-28 California      State        Total    502    100.00
## 1787 2021-06-28 California      State        Delta    336     66.93
## 1788 2021-06-28 California      State         Beta      0      0.00
## 1789 2021-06-28 California      State      Omicron      0      0.00
## 1790 2021-06-28 California      State           Mu     13      2.59
## 1791 2021-06-29 California      State        Total    501    100.00
## 1792 2021-06-29 California      State           Mu     14      2.79
## 1793 2021-06-29 California      State        Delta    330     65.87
## 1794 2021-06-29 California      State       Lambda      1      0.20
## 1795 2021-06-29 California      State         Beta      0      0.00
## 1796 2021-06-29 California      State        Gamma     42      8.38
## 1797 2021-06-29 California      State      Epsilon      2      0.40
## 1798 2021-06-29 California      State        Other     41      8.18
## 1799 2021-06-29 California      State      Omicron      0      0.00
## 1800 2021-06-29 California      State        Alpha     71     14.17
## 1801 2021-06-30 California      State        Alpha     73     13.88
## 1802 2021-06-30 California      State      Epsilon      3      0.57
## 1803 2021-06-30 California      State        Gamma     40      7.60
## 1804 2021-06-30 California      State         Beta      0      0.00
## 1805 2021-06-30 California      State      Omicron      0      0.00
## 1806 2021-06-30 California      State        Delta    373     70.91
## 1807 2021-06-30 California      State       Lambda      2      0.38
## 1808 2021-06-30 California      State           Mu     10      1.90
## 1809 2021-06-30 California      State        Total    526    100.00
## 1810 2021-06-30 California      State        Other     25      4.75
## 1811 2021-07-01 California      State      Omicron      0      0.00
## 1812 2021-07-01 California      State        Total    624    100.00
## 1813 2021-07-01 California      State      Epsilon      1      0.16
## 1814 2021-07-01 California      State        Alpha     76     12.18
## 1815 2021-07-01 California      State        Gamma     31      4.97
## 1816 2021-07-01 California      State         Beta      0      0.00
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## 1817 2021-07-01 California        State        Delta      454     72.76
## 1818 2021-07-01 California        State        Other       43      6.89
## 1819 2021-07-01 California        State       Lambda        0      0.00
## 1820 2021-07-01 California        State           Mu       19      3.04
## 1821 2021-07-02 California        State        Other       26      4.33
## 1822 2021-07-02 California        State       Lambda        1      0.17
## 1823 2021-07-02 California        State        Total      601    100.00
## 1824 2021-07-02 California        State        Gamma       35      5.82
## 1825 2021-07-02 California        State        Delta      440     73.21
## 1826 2021-07-02 California        State         Beta        1      0.17
## 1827 2021-07-02 California        State        Alpha       76     12.65
## 1828 2021-07-02 California        State           Mu       20      3.33
## 1829 2021-07-02 California        State      Epsilon        2      0.33
## 1830 2021-07-02 California        State      Omicron        0      0.00
## 1831 2021-07-03 California        State      Omicron        0      0.00
## 1832 2021-07-03 California        State        Gamma       17      4.31
## 1833 2021-07-03 California        State        Other       24      6.09
## 1834 2021-07-03 California        State         Beta        0      0.00
## 1835 2021-07-03 California        State        Alpha       33      8.38
## 1836 2021-07-03 California        State       Lambda        0      0.00
## 1837 2021-07-03 California        State        Delta      308     78.17
## 1838 2021-07-03 California        State        Total      394    100.00
## 1839 2021-07-03 California        State           Mu       11      2.79
## 1840 2021-07-03 California        State      Epsilon        1      0.25
## 1841 2021-07-04 California        State       Lambda        0      0.00
## 1842 2021-07-04 California        State      Epsilon        0      0.00
## 1843 2021-07-04 California        State      Omicron        0      0.00
## 1844 2021-07-04 California        State        Total      122    100.00
## 1845 2021-07-04 California        State           Mu        7      5.74
## 1846 2021-07-04 California        State        Other        5      4.10
## 1847 2021-07-04 California        State        Alpha       13     10.66
## 1848 2021-07-04 California        State         Beta        0      0.00
## 1849 2021-07-04 California        State        Gamma       11      9.02
## 1850 2021-07-04 California        State        Delta       86     70.49
## 1851 2021-07-05 California        State        Other       10      2.20
## 1852 2021-07-05 California        State      Epsilon        0      0.00
## 1853 2021-07-05 California        State        Gamma       25      5.51
## 1854 2021-07-05 California        State        Total      454    100.00
## 1855 2021-07-05 California        State        Delta      363     79.96
## 1856 2021-07-05 California        State         Beta        0      0.00
## 1857 2021-07-05 California        State       Lambda        0      0.00
## 1858 2021-07-05 California        State      Omicron        0      0.00
## 1859 2021-07-05 California        State           Mu       21      4.63
## 1860 2021-07-05 California        State        Alpha       35      7.71
## 1861 2021-07-06 California        State        Gamma       55      6.14
## 1862 2021-07-06 California        State        Alpha       63      7.03
## 1863 2021-07-06 California        State      Epsilon        0      0.00
## 1864 2021-07-06 California        State      Omicron        0      0.00
## 1865 2021-07-06 California        State        Total      896    100.00
## 1866 2021-07-06 California        State           Mu       19      2.12
## 1867 2021-07-06 California        State       Lambda        1      0.11
## 1868 2021-07-06 California        State         Beta        0      0.00
## 1869 2021-07-06 California        State        Other       26      2.90
## 1870 2021-07-06 California        State        Delta      732     81.70
```

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## 1871 2021-07-07 California          State           Mu        28      2.64
## 1872 2021-07-07 California          State       Lambda         1      0.09
## 1873 2021-07-07 California          State         Beta         0      0.00
## 1874 2021-07-07 California          State        Alpha        64      6.03
## 1875 2021-07-07 California          State        Total      1061    100.00
## 1876 2021-07-07 California          State        Other        35      3.30
## 1877 2021-07-07 California          State      Omicron         0      0.00
## 1878 2021-07-07 California          State        Delta       900     84.83
## 1879 2021-07-07 California          State      Epsilon         0      0.00
## 1880 2021-07-07 California          State        Gamma        33      3.11
## 1881 2021-07-08 California          State        Alpha        66      5.39
## 1882 2021-07-08 California          State        Other        61      4.98
## 1883 2021-07-08 California          State         Beta         0      0.00
## 1884 2021-07-08 California          State       Lambda         0      0.00
## 1885 2021-07-08 California          State        Total      1224    100.00
## 1886 2021-07-08 California          State        Gamma        58      4.74
## 1887 2021-07-08 California          State          Mu        26      2.12
## 1888 2021-07-08 California          State      Epsilon         1      0.08
## 1889 2021-07-08 California          State        Delta      1012     82.68
## 1890 2021-07-08 California          State      Omicron         0      0.00
## 1891 2021-07-09 California          State          Mu        17      1.67
## 1892 2021-07-09 California          State        Total      1016    100.00
## 1893 2021-07-09 California          State         Beta         0      0.00
## 1894 2021-07-09 California          State        Delta       865     85.14
## 1895 2021-07-09 California          State       Lambda         0      0.00
## 1896 2021-07-09 California          State        Other        43      4.23
## 1897 2021-07-09 California          State      Omicron         0      0.00
## 1898 2021-07-09 California          State      Epsilon         0      0.00
## 1899 2021-07-09 California          State        Gamma        43      4.23
## 1900 2021-07-09 California          State        Alpha        48      4.72
## 1901 2021-07-10 California          State      Omicron         0      0.00
## 1902 2021-07-10 California          State       Lambda         0      0.00
## 1903 2021-07-10 California          State        Total       951    100.00
## 1904 2021-07-10 California          State      Epsilon         0      0.00
## 1905 2021-07-10 California          State          Mu        25      2.63
## 1906 2021-07-10 California          State        Other        33      3.47
## 1907 2021-07-10 California          State         Beta         0      0.00
## 1908 2021-07-10 California          State        Delta       812     85.38
## 1909 2021-07-10 California          State        Alpha        50      5.26
## 1910 2021-07-10 California          State        Gamma        31      3.26
## 1911 2021-07-11 California          State        Delta       494     88.69
## 1912 2021-07-11 California          State      Omicron         0      0.00
## 1913 2021-07-11 California          State         Beta         0      0.00
## 1914 2021-07-11 California          State       Lambda         1      0.18
## 1915 2021-07-11 California          State        Gamma        10      1.80
## 1916 2021-07-11 California          State        Alpha        29      5.21
## 1917 2021-07-11 California          State        Total       557    100.00
## 1918 2021-07-11 California          State        Other        11      1.97
## 1919 2021-07-11 California          State          Mu        12      2.15
## 1920 2021-07-11 California          State      Epsilon         0      0.00
## 1921 2021-07-12 California          State          Mu        33      1.98
## 1922 2021-07-12 California          State        Alpha        75      4.51
## 1923 2021-07-12 California          State         Beta         0      0.00
## 1924 2021-07-12 California          State        Gamma        50      3.01
```

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## 1925 2021-07-12 California       State        Total     1663      100.00
## 1926 2021-07-12 California       State        Lambda       1        0.06
## 1927 2021-07-12 California       State        Delta     1426       85.75
## 1928 2021-07-12 California       State        Other       78        4.69
## 1929 2021-07-12 California       State        Omicron      0        0.00
## 1930 2021-07-12 California       State        Epsilon      0        0.00
## 1931 2021-07-13 California       State        Lambda       0        0.00
## 1932 2021-07-13 California       State        Delta     1211       88.52
## 1933 2021-07-13 California       State        Alpha       43        3.14
## 1934 2021-07-13 California       State        Beta         1        0.07
## 1935 2021-07-13 California       State        Mu          30        2.19
## 1936 2021-07-13 California       State        Total     1368      100.00
## 1937 2021-07-13 California       State        Omicron      0        0.00
## 1938 2021-07-13 California       State        Epsilon      0        0.00
## 1939 2021-07-13 California       State        Gamma       43        3.14
## 1940 2021-07-13 California       State        Other       40        2.92
## 1941 2021-07-14 California       State        Gamma       30        1.99
## 1942 2021-07-14 California       State        Mu          36        2.39
## 1943 2021-07-14 California       State        Other       37        2.46
## 1944 2021-07-14 California       State        Epsilon      0        0.00
## 1945 2021-07-14 California       State        Omicron      0        0.00
## 1946 2021-07-14 California       State        Alpha       45        2.99
## 1947 2021-07-14 California       State        Lambda       0        0.00
## 1948 2021-07-14 California       State        Total     1505      100.00
## 1949 2021-07-14 California       State        Beta         0        0.00
## 1950 2021-07-14 California       State        Delta     1357       90.17
## 1951 2021-07-15 California       State        Other       61        3.53
## 1952 2021-07-15 California       State        Mu          41        2.37
## 1953 2021-07-15 California       State        Alpha       37        2.14
## 1954 2021-07-15 California       State        Delta     1567       90.63
## 1955 2021-07-15 California       State        Total     1729      100.00
## 1956 2021-07-15 California       State        Lambda       1        0.06
## 1957 2021-07-15 California       State        Omicron      0        0.00
## 1958 2021-07-15 California       State        Beta         0        0.00
## 1959 2021-07-15 California       State        Gamma       22        1.27
## 1960 2021-07-15 California       State        Epsilon      0        0.00
## 1961 2021-07-16 California       State        Delta     1600       91.59
## 1962 2021-07-16 California       State        Gamma       35        2.00
## 1963 2021-07-16 California       State        Mu          33        1.89
## 1964 2021-07-16 California       State        Lambda       4        0.23
## 1965 2021-07-16 California       State        Omicron      0        0.00
## 1966 2021-07-16 California       State        Beta         0        0.00
## 1967 2021-07-16 California       State        Alpha       34        1.95
## 1968 2021-07-16 California       State        Epsilon      0        0.00
## 1969 2021-07-16 California       State        Other       41        2.35
## 1970 2021-07-16 California       State        Total     1747      100.00
## 1971 2021-07-17 California       State        Mu          37        2.59
## 1972 2021-07-17 California       State        Total     1426      100.00
## 1973 2021-07-17 California       State        Gamma       17        1.19
## 1974 2021-07-17 California       State        Delta     1326       92.99
## 1975 2021-07-17 California       State        Beta         0        0.00
## 1976 2021-07-17 California       State        Lambda       1        0.07
## 1977 2021-07-17 California       State        Alpha       23        1.61
## 1978 2021-07-17 California       State        Epsilon      0        0.00
```

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## 1979 2021-07-17 California          State          Omicron        0        0.00
## 1980 2021-07-17 California          State          Other         22        1.54
## 1981 2021-07-18 California          State          Lambda         1        0.12
## 1982 2021-07-18 California          State          Omicron        0        0.00
## 1983 2021-07-18 California          State          Mu            15        1.77
## 1984 2021-07-18 California          State          Delta        778       91.96
## 1985 2021-07-18 California          State          Gamma         20        2.36
## 1986 2021-07-18 California          State          Other         16        1.89
## 1987 2021-07-18 California          State          Epsilon        0        0.00
## 1988 2021-07-18 California          State          Beta           0        0.00
## 1989 2021-07-18 California          State          Alpha         16        1.89
## 1990 2021-07-18 California          State          Total        846      100.00
## 1991 2021-07-19 California          State          Mu            30        1.32
## 1992 2021-07-19 California          State          Other         53        2.34
## 1993 2021-07-19 California          State          Omicron        0        0.00
## 1994 2021-07-19 California          State          Total       2269      100.00
## 1995 2021-07-19 California          State          Delta       2115       93.21
## 1996 2021-07-19 California          State          Alpha         39        1.72
## 1997 2021-07-19 California          State          Epsilon        0        0.00
## 1998 2021-07-19 California          State          Gamma         30        1.32
## 1999 2021-07-19 California          State          Lambda         2        0.09
## 2000 2021-07-19 California          State          Beta           0        0.00
## 2001 2021-07-20 California          State          Lambda         0        0.00
## 2002 2021-07-20 California          State          Epsilon        1        0.04
## 2003 2021-07-20 California          State          Gamma         33        1.36
## 2004 2021-07-20 California          State          Mu            38        1.57
## 2005 2021-07-20 California          State          Other         57        2.35
## 2006 2021-07-20 California          State          Beta           1        0.04
## 2007 2021-07-20 California          State          Total       2427      100.00
## 2008 2021-07-20 California          State          Delta       2255       92.91
## 2009 2021-07-20 California          State          Alpha         42        1.73
## 2010 2021-07-20 California          State          Omicron        0        0.00
## 2011 2021-07-21 California          State          Omicron        0        0.00
## 2012 2021-07-21 California          State          Delta       2510       93.31
## 2013 2021-07-21 California          State          Alpha         51        1.90
## 2014 2021-07-21 California          State          Epsilon        1        0.04
## 2015 2021-07-21 California          State          Other         51        1.90
## 2016 2021-07-21 California          State          Lambda         0        0.00
## 2017 2021-07-21 California          State          Mu            40        1.49
## 2018 2021-07-21 California          State          Beta           0        0.00
## 2019 2021-07-21 California          State          Total       2690      100.00
## 2020 2021-07-21 California          State          Gamma         37        1.38
## 2021 2021-07-22 California          State          Alpha         23        0.99
## 2022 2021-07-22 California          State          Gamma         21        0.91
## 2023 2021-07-22 California          State          Lambda         3        0.13
## 2024 2021-07-22 California          State          Epsilon        0        0.00
## 2025 2021-07-22 California          State          Other         49        2.11
## 2026 2021-07-22 California          State          Beta           0        0.00
## 2027 2021-07-22 California          State          Omicron        0        0.00
## 2028 2021-07-22 California          State          Mu            35        1.51
## 2029 2021-07-22 California          State          Total       2319      100.00
## 2030 2021-07-22 California          State          Delta       2188       94.35
## 2031 2021-07-23 California          State          Mu            25        0.99
## 2032 2021-07-23 California          State          Total       2531      100.00
```

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## 2033 2021-07-23 California        State      Omicron       0       0.00
## 2034 2021-07-23 California        State        Other      32       1.26
## 2035 2021-07-23 California        State        Gamma      19       0.75
## 2036 2021-07-23 California        State         Beta       1       0.04
## 2037 2021-07-23 California        State        Delta    2426      95.85
## 2038 2021-07-23 California        State      Epsilon       1       0.04
## 2039 2021-07-23 California        State       Lambda       0       0.00
## 2040 2021-07-23 California        State        Alpha      27       1.07
## 2041 2021-07-24 California        State        Alpha      16       0.85
## 2042 2021-07-24 California        State        Gamma       8       0.43
## 2043 2021-07-24 California        State      Omicron       0       0.00
## 2044 2021-07-24 California        State       Lambda       5       0.27
## 2045 2021-07-24 California        State        Delta    1809      96.43
## 2046 2021-07-24 California        State      Epsilon       0       0.00
## 2047 2021-07-24 California        State           Mu      24       1.28
## 2048 2021-07-24 California        State         Beta       0       0.00
## 2049 2021-07-24 California        State        Other      14       0.75
## 2050 2021-07-24 California        State        Total    1876     100.00
## 2051 2021-07-25 California        State        Delta    1018      95.50
## 2052 2021-07-25 California        State           Mu      20       1.88
## 2053 2021-07-25 California        State        Other      12       1.13
## 2054 2021-07-25 California        State         Beta       0       0.00
## 2055 2021-07-25 California        State       Lambda       0       0.00
## 2056 2021-07-25 California        State        Alpha       9       0.84
## 2057 2021-07-25 California        State      Omicron       0       0.00
## 2058 2021-07-25 California        State      Epsilon       0       0.00
## 2059 2021-07-25 California        State        Total    1066     100.00
## 2060 2021-07-25 California        State        Gamma       7       0.66
## 2061 2021-07-26 California        State        Delta    3005      95.70
## 2062 2021-07-26 California        State        Gamma      20       0.64
## 2063 2021-07-26 California        State       Lambda       3       0.10
## 2064 2021-07-26 California        State      Epsilon       3       0.10
## 2065 2021-07-26 California        State        Alpha      34       1.08
## 2066 2021-07-26 California        State        Total    3140     100.00
## 2067 2021-07-26 California        State           Mu      33       1.05
## 2068 2021-07-26 California        State        Other      42       1.34
## 2069 2021-07-26 California        State         Beta       0       0.00
## 2070 2021-07-26 California        State      Omicron       0       0.00
## 2071 2021-07-27 California        State        Total    2897     100.00
## 2072 2021-07-27 California        State        Other      30       1.04
## 2073 2021-07-27 California        State        Delta    2784      96.10
## 2074 2021-07-27 California        State      Epsilon       0       0.00
## 2075 2021-07-27 California        State        Alpha      35       1.21
## 2076 2021-07-27 California        State         Beta       0       0.00
## 2077 2021-07-27 California        State       Lambda       1       0.03
## 2078 2021-07-27 California        State           Mu      29       1.00
## 2079 2021-07-27 California        State        Gamma      17       0.59
## 2080 2021-07-27 California        State      Omicron       1       0.03
## 2081 2021-07-28 California        State        Delta    2986      97.33
## 2082 2021-07-28 California        State        Total    3068     100.00
## 2083 2021-07-28 California        State      Epsilon       0       0.00
## 2084 2021-07-28 California        State        Alpha      20       0.65
## 2085 2021-07-28 California        State       Lambda       2       0.07
## 2086 2021-07-28 California        State        Gamma      18       0.59
```

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## 2087 2021-07-28 California        State       Beta       0      0.00
## 2088 2021-07-28 California        State      Other      20      0.65
## 2089 2021-07-28 California        State         Mu      22      0.72
## 2090 2021-07-28 California        State    Omicron       0      0.00
## 2091 2021-07-29 California        State      Delta    3495     96.18
## 2092 2021-07-29 California        State         Mu      36      0.99
## 2093 2021-07-29 California        State     Lambda       1      0.03
## 2094 2021-07-29 California        State       Beta       0      0.00
## 2095 2021-07-29 California        State      Gamma      31      0.85
## 2096 2021-07-29 California        State    Epsilon       0      0.00
## 2097 2021-07-29 California        State    Omicron       0      0.00
## 2098 2021-07-29 California        State      Other      42      1.16
## 2099 2021-07-29 California        State      Alpha      29      0.80
## 2100 2021-07-29 California        State      Total    3634    100.00
## 2101 2021-07-30 California        State    Epsilon       0      0.00
## 2102 2021-07-30 California        State     Lambda       6      0.19
## 2103 2021-07-30 California        State    Omicron       0      0.00
## 2104 2021-07-30 California        State         Mu      15      0.47
## 2105 2021-07-30 California        State      Alpha      22      0.70
## 2106 2021-07-30 California        State       Beta       0      0.00
## 2107 2021-07-30 California        State      Total    3165    100.00
## 2108 2021-07-30 California        State      Other      22      0.70
## 2109 2021-07-30 California        State      Gamma      15      0.47
## 2110 2021-07-30 California        State      Delta    3085     97.47
## 2111 2021-07-31 California        State    Epsilon       0      0.00
## 2112 2021-07-31 California        State      Gamma      12      0.57
## 2113 2021-07-31 California        State      Delta    2047     96.60
## 2114 2021-07-31 California        State     Lambda       4      0.19
## 2115 2021-07-31 California        State         Mu      31      1.46
## 2116 2021-07-31 California        State       Beta       0      0.00
## 2117 2021-07-31 California        State      Total    2119    100.00
## 2118 2021-07-31 California        State    Omicron       0      0.00
## 2119 2021-07-31 California        State      Other      14      0.66
## 2120 2021-07-31 California        State      Alpha      11      0.52
## 2121 2021-08-01 California        State       Beta       0      0.00
## 2122 2021-08-01 California        State      Total    1240    100.00
## 2123 2021-08-01 California        State         Mu       3      0.24
## 2124 2021-08-01 California        State      Alpha       5      0.40
## 2125 2021-08-01 California        State     Lambda       0      0.00
## 2126 2021-08-01 California        State    Epsilon       0      0.00
## 2127 2021-08-01 California        State      Gamma       8      0.65
## 2128 2021-08-01 California        State      Other       6      0.48
## 2129 2021-08-01 California        State      Delta    1218     98.23
## 2130 2021-08-01 California        State    Omicron       0      0.00
## 2131 2021-08-02 California        State      Delta    3300     98.16
## 2132 2021-08-02 California        State      Gamma      15      0.45
## 2133 2021-08-02 California        State      Other      18      0.54
## 2134 2021-08-02 California        State    Epsilon       0      0.00
## 2135 2021-08-02 California        State       Beta       0      0.00
## 2136 2021-08-02 California        State         Mu      10      0.30
## 2137 2021-08-02 California        State      Alpha      18      0.54
## 2138 2021-08-02 California        State      Total    3362    100.00
## 2139 2021-08-02 California        State     Lambda       1      0.03
## 2140 2021-08-02 California        State    Omicron       0      0.00
```

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## 2141 2021-08-03 California       State       Omicron          0       0.00
## 2142 2021-08-03 California       State         Total       3631     100.00
## 2143 2021-08-03 California       State        Lambda          3       0.08
## 2144 2021-08-03 California       State            Mu         15       0.41
## 2145 2021-08-03 California       State         Gamma         11       0.30
## 2146 2021-08-03 California       State          Beta          0       0.00
## 2147 2021-08-03 California       State       Epsilon          0       0.00
## 2148 2021-08-03 California       State         Delta       3569      98.29
## 2149 2021-08-03 California       State         Other         21       0.58
## 2150 2021-08-03 California       State         Alpha         12       0.33
## 2151 2021-08-04 California       State         Other         33       1.03
## 2152 2021-08-04 California       State         Total       3195     100.00
## 2153 2021-08-04 California       State         Alpha         13       0.41
## 2154 2021-08-04 California       State            Mu          7       0.22
## 2155 2021-08-04 California       State          Beta          0       0.00
## 2156 2021-08-04 California       State       Omicron          0       0.00
## 2157 2021-08-04 California       State         Gamma         16       0.50
## 2158 2021-08-04 California       State        Lambda          3       0.09
## 2159 2021-08-04 California       State         Delta       3123      97.75
## 2160 2021-08-04 California       State       Epsilon          0       0.00
## 2161 2021-08-05 California       State         Delta       3286      98.09
## 2162 2021-08-05 California       State         Alpha          6       0.18
## 2163 2021-08-05 California       State            Mu         12       0.36
## 2164 2021-08-05 California       State         Total       3350     100.00
## 2165 2021-08-05 California       State       Epsilon          0       0.00
## 2166 2021-08-05 California       State       Omicron          0       0.00
## 2167 2021-08-05 California       State         Gamma         21       0.63
## 2168 2021-08-05 California       State         Other         24       0.72
## 2169 2021-08-05 California       State        Lambda          1       0.03
## 2170 2021-08-05 California       State          Beta          0       0.00
## 2171 2021-08-06 California       State         Total       2960     100.00
## 2172 2021-08-06 California       State            Mu         12       0.41
## 2173 2021-08-06 California       State         Gamma         21       0.71
## 2174 2021-08-06 California       State         Other         13       0.44
## 2175 2021-08-06 California       State         Delta       2905      98.14
## 2176 2021-08-06 California       State          Beta          0       0.00
## 2177 2021-08-06 California       State       Omicron          0       0.00
## 2178 2021-08-06 California       State       Epsilon          0       0.00
## 2179 2021-08-06 California       State        Lambda          1       0.03
## 2180 2021-08-06 California       State         Alpha          8       0.27
## 2181 2021-08-07 California       State       Epsilon          0       0.00
## 2182 2021-08-07 California       State        Lambda          1       0.05
## 2183 2021-08-07 California       State         Alpha          3       0.14
## 2184 2021-08-07 California       State         Total       2155     100.00
## 2185 2021-08-07 California       State            Mu         10       0.46
## 2186 2021-08-07 California       State         Delta       2122      98.47
## 2187 2021-08-07 California       State         Gamma         14       0.65
## 2188 2021-08-07 California       State          Beta          0       0.00
## 2189 2021-08-07 California       State       Omicron          0       0.00
## 2190 2021-08-07 California       State         Other          5       0.23
## 2191 2021-08-08 California       State         Delta        728      97.72
## 2192 2021-08-08 California       State         Other          8       1.07
## 2193 2021-08-08 California       State            Mu          2       0.27
## 2194 2021-08-08 California       State       Epsilon          0       0.00
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## 2195 2021-08-08 California        State        Gamma          5        0.67
## 2196 2021-08-08 California        State        Total        745      100.00
## 2197 2021-08-08 California        State         Beta          0        0.00
## 2198 2021-08-08 California        State       Lambda          0        0.00
## 2199 2021-08-08 California        State      Omicron          0        0.00
## 2200 2021-08-08 California        State        Alpha          2        0.27
## 2201 2021-08-09 California        State        Total       3497      100.00
## 2202 2021-08-09 California        State        Gamma         12        0.34
## 2203 2021-08-09 California        State       Lambda          2        0.06
## 2204 2021-08-09 California        State      Omicron          1        0.03
## 2205 2021-08-09 California        State         Beta          0        0.00
## 2206 2021-08-09 California        State           Mu          4        0.11
## 2207 2021-08-09 California        State        Alpha          6        0.17
## 2208 2021-08-09 California        State        Other         14        0.40
## 2209 2021-08-09 California        State      Epsilon          0        0.00
## 2210 2021-08-09 California        State        Delta       3458       98.88
## 2211 2021-08-10 California        State        Gamma          9        0.28
## 2212 2021-08-10 California        State           Mu         10        0.31
## 2213 2021-08-10 California        State        Total       3271      100.00
## 2214 2021-08-10 California        State      Omicron          1        0.03
## 2215 2021-08-10 California        State        Delta       3235       98.90
## 2216 2021-08-10 California        State         Beta          0        0.00
## 2217 2021-08-10 California        State       Lambda          1        0.03
## 2218 2021-08-10 California        State        Alpha          5        0.15
## 2219 2021-08-10 California        State        Other         10        0.31
## 2220 2021-08-10 California        State      Epsilon          0        0.00
## 2221 2021-08-11 California        State        Total       3003      100.00
## 2222 2021-08-11 California        State       Lambda          0        0.00
## 2223 2021-08-11 California        State        Alpha         12        0.40
## 2224 2021-08-11 California        State           Mu          5        0.17
## 2225 2021-08-11 California        State      Epsilon          0        0.00
## 2226 2021-08-11 California        State         Beta          0        0.00
## 2227 2021-08-11 California        State        Other          3        0.10
## 2228 2021-08-11 California        State        Gamma          4        0.13
## 2229 2021-08-11 California        State      Omicron          0        0.00
## 2230 2021-08-11 California        State        Delta       2979       99.20
## 2231 2021-08-12 California        State        Other          3        0.12
## 2232 2021-08-12 California        State           Mu          5        0.20
## 2233 2021-08-12 California        State      Epsilon          0        0.00
## 2234 2021-08-12 California        State         Beta          0        0.00
## 2235 2021-08-12 California        State        Gamma          6        0.25
## 2236 2021-08-12 California        State      Omicron          0        0.00
## 2237 2021-08-12 California        State        Alpha          2        0.08
## 2238 2021-08-12 California        State        Total       2441      100.00
## 2239 2021-08-12 California        State       Lambda          1        0.04
## 2240 2021-08-12 California        State        Delta       2424       99.30
## 2241 2021-08-13 California        State        Gamma          7        0.37
## 2242 2021-08-13 California        State           Mu          3        0.16
## 2243 2021-08-13 California        State        Alpha          2        0.11
## 2244 2021-08-13 California        State        Total       1874      100.00
## 2245 2021-08-13 California        State        Delta       1860       99.25
## 2246 2021-08-13 California        State       Lambda          0        0.00
## 2247 2021-08-13 California        State      Omicron          1        0.05
## 2248 2021-08-13 California        State         Beta          0        0.00
```

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## 2249 2021-08-13 California       State     Epsilon       0       0.00
## 2250 2021-08-13 California       State       Other       1       0.05
## 2251 2021-08-14 California       State       Alpha       0       0.00
## 2252 2021-08-14 California       State        Beta       0       0.00
## 2253 2021-08-14 California       State      Omicron       2       0.15
## 2254 2021-08-14 California       State          Mu       3       0.23
## 2255 2021-08-14 California       State       Gamma       3       0.23
## 2256 2021-08-14 California       State      Lambda       1       0.08
## 2257 2021-08-14 California       State     Epsilon       0       0.00
## 2258 2021-08-14 California       State       Delta    1286      99.23
## 2259 2021-08-14 California       State       Total    1296     100.00
## 2260 2021-08-14 California       State       Other       1       0.08
## 2261 2021-08-15 California       State       Total     526     100.00
## 2262 2021-08-15 California       State        Beta       0       0.00
## 2263 2021-08-15 California       State      Omicron       4       0.76
## 2264 2021-08-15 California       State     Epsilon       0       0.00
## 2265 2021-08-15 California       State       Delta     519      98.67
## 2266 2021-08-15 California       State       Alpha       0       0.00
## 2267 2021-08-15 California       State       Other       2       0.38
## 2268 2021-08-15 California       State          Mu       1       0.19
## 2269 2021-08-15 California       State      Lambda       0       0.00
## 2270 2021-08-15 California       State       Gamma       0       0.00
## 2271 2021-08-16 California       State       Gamma       2       0.09
## 2272 2021-08-16 California       State     Epsilon       0       0.00
## 2273 2021-08-16 California       State        Beta       0       0.00
## 2274 2021-08-16 California       State       Delta    2243      99.25
## 2275 2021-08-16 California       State       Other       9       0.40
## 2276 2021-08-16 California       State      Lambda       0       0.00
## 2277 2021-08-16 California       State       Alpha       4       0.18
## 2278 2021-08-16 California       State      Omicron       1       0.04
## 2279 2021-08-16 California       State       Total    2260     100.00
## 2280 2021-08-16 California       State          Mu       1       0.04
## 2281 2021-08-17 California       State      Lambda       0       0.00
## 2282 2021-08-17 California       State        Beta       0       0.00
## 2283 2021-08-17 California       State       Alpha       2       0.12
## 2284 2021-08-17 California       State     Epsilon       0       0.00
## 2285 2021-08-17 California       State          Mu       1       0.06
## 2286 2021-08-17 California       State      Omicron       1       0.06
## 2287 2021-08-17 California       State       Other       5       0.29
## 2288 2021-08-17 California       State       Gamma       2       0.12
## 2289 2021-08-17 California       State       Total    1721     100.00
## 2290 2021-08-17 California       State       Delta    1710      99.36
## 2291 2021-08-18 California       State       Other       4       0.26
## 2292 2021-08-18 California       State      Lambda       2       0.13
## 2293 2021-08-18 California       State      Omicron       0       0.00
## 2294 2021-08-18 California       State       Alpha       2       0.13
## 2295 2021-08-18 California       State     Epsilon       0       0.00
## 2296 2021-08-18 California       State          Mu       3       0.20
## 2297 2021-08-18 California       State       Delta    1497      98.81
## 2298 2021-08-18 California       State       Gamma       7       0.46
## 2299 2021-08-18 California       State       Total    1515     100.00
## 2300 2021-08-18 California       State        Beta       0       0.00
## 2301 2021-08-19 California       State       Gamma       5       0.33
## 2302 2021-08-19 California       State        Beta       0       0.00
```

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## 2303 2021-08-19 California    State      Alpha       2       0.13
## 2304 2021-08-19 California    State      Delta    1505      98.62
## 2305 2021-08-19 California    State    Omicron       1       0.07
## 2306 2021-08-19 California    State     Lambda       1       0.07
## 2307 2021-08-19 California    State         Mu       0       0.00
## 2308 2021-08-19 California    State      Other       7       0.46
## 2309 2021-08-19 California    State    Epsilon       5       0.33
## 2310 2021-08-19 California    State      Total    1526     100.00
## 2311 2021-08-20 California    State      Alpha       2       0.12
## 2312 2021-08-20 California    State       Beta       0       0.00
## 2313 2021-08-20 California    State         Mu       4       0.24
## 2314 2021-08-20 California    State    Omicron       0       0.00
## 2315 2021-08-20 California    State    Epsilon       5       0.30
## 2316 2021-08-20 California    State      Delta    1643      97.33
## 2317 2021-08-20 California    State      Total    1688     100.00
## 2318 2021-08-20 California    State      Gamma       5       0.30
## 2319 2021-08-20 California    State      Other      29       1.72
## 2320 2021-08-20 California    State     Lambda       0       0.00
## 2321 2021-08-21 California    State      Other       7       0.63
## 2322 2021-08-21 California    State    Epsilon       0       0.00
## 2323 2021-08-21 California    State     Lambda       0       0.00
## 2324 2021-08-21 California    State      Gamma       1       0.09
## 2325 2021-08-21 California    State         Mu       2       0.18
## 2326 2021-08-21 California    State    Omicron       0       0.00
## 2327 2021-08-21 California    State       Beta       0       0.00
## 2328 2021-08-21 California    State      Alpha       2       0.18
## 2329 2021-08-21 California    State      Total    1115     100.00
## 2330 2021-08-21 California    State      Delta    1103      98.92
## 2331 2021-08-22 California    State         Mu       0       0.00
## 2332 2021-08-22 California    State       Beta       0       0.00
## 2333 2021-08-22 California    State      Alpha       0       0.00
## 2334 2021-08-22 California    State      Other       4       0.84
## 2335 2021-08-22 California    State      Gamma       0       0.00
## 2336 2021-08-22 California    State    Omicron       1       0.21
## 2337 2021-08-22 California    State    Epsilon       0       0.00
## 2338 2021-08-22 California    State      Total     476     100.00
## 2339 2021-08-22 California    State      Delta     471      98.95
## 2340 2021-08-22 California    State     Lambda       0       0.00
## 2341 2021-08-23 California    State     Lambda       0       0.00
## 2342 2021-08-23 California    State       Beta       0       0.00
## 2343 2021-08-23 California    State      Total    2204     100.00
## 2344 2021-08-23 California    State    Epsilon       0       0.00
## 2345 2021-08-23 California    State    Omicron       0       0.00
## 2346 2021-08-23 California    State      Alpha       3       0.14
## 2347 2021-08-23 California    State         Mu       0       0.00
## 2348 2021-08-23 California    State      Delta    2189      99.32
## 2349 2021-08-23 California    State      Other      10       0.45
## 2350 2021-08-23 California    State      Gamma       2       0.09
## 2351 2021-08-24 California    State    Epsilon       0       0.00
## 2352 2021-08-24 California    State    Omicron       1       0.05
## 2353 2021-08-24 California    State       Beta       0       0.00
## 2354 2021-08-24 California    State     Lambda       0       0.00
## 2355 2021-08-24 California    State      Other      50       2.33
## 2356 2021-08-24 California    State      Gamma       2       0.09
```

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## 2357 2021-08-24 California        State          Mu        1      0.05
## 2358 2021-08-24 California        State       Delta     2090     97.48
## 2359 2021-08-24 California        State       Total     2144    100.00
## 2360 2021-08-24 California        State       Alpha        0      0.00
## 2361 2021-08-25 California        State       Alpha        1      0.07
## 2362 2021-08-25 California        State     Omicron        0      0.00
## 2363 2021-08-25 California        State       Total     1432    100.00
## 2364 2021-08-25 California        State       Other        6      0.42
## 2365 2021-08-25 California        State      Lambda        1      0.07
## 2366 2021-08-25 California        State          Mu        0      0.00
## 2367 2021-08-25 California        State       Delta     1421     99.23
## 2368 2021-08-25 California        State        Beta        0      0.00
## 2369 2021-08-25 California        State       Gamma        3      0.21
## 2370 2021-08-25 California        State     Epsilon        0      0.00
## 2371 2021-08-26 California        State       Other       11      0.80
## 2372 2021-08-26 California        State       Delta     1357     98.91
## 2373 2021-08-26 California        State       Gamma        2      0.15
## 2374 2021-08-26 California        State     Epsilon        0      0.00
## 2375 2021-08-26 California        State     Omicron        0      0.00
## 2376 2021-08-26 California        State       Total     1372    100.00
## 2377 2021-08-26 California        State        Beta        0      0.00
## 2378 2021-08-26 California        State          Mu        1      0.07
## 2379 2021-08-26 California        State       Alpha        1      0.07
## 2380 2021-08-26 California        State      Lambda        0      0.00
## 2381 2021-08-27 California        State     Epsilon        0      0.00
## 2382 2021-08-27 California        State       Delta     1279     98.54
## 2383 2021-08-27 California        State       Other       15      1.16
## 2384 2021-08-27 California        State       Gamma        1      0.08
## 2385 2021-08-27 California        State       Total     1298    100.00
## 2386 2021-08-27 California        State      Lambda        0      0.00
## 2387 2021-08-27 California        State          Mu        0      0.00
## 2388 2021-08-27 California        State       Alpha        2      0.15
## 2389 2021-08-27 California        State        Beta        0      0.00
## 2390 2021-08-27 California        State     Omicron        1      0.08
## 2391 2021-08-28 California        State       Gamma        0      0.00
## 2392 2021-08-28 California        State       Alpha        1      0.10
## 2393 2021-08-28 California        State       Total     1039    100.00
## 2394 2021-08-28 California        State     Omicron        0      0.00
## 2395 2021-08-28 California        State     Epsilon        0      0.00
## 2396 2021-08-28 California        State      Lambda        0      0.00
## 2397 2021-08-28 California        State       Other        1      0.10
## 2398 2021-08-28 California        State        Beta        0      0.00
## 2399 2021-08-28 California        State       Delta     1037     99.81
## 2400 2021-08-28 California        State          Mu        0      0.00
## 2401 2021-08-29 California        State      Lambda        0      0.00
## 2402 2021-08-29 California        State       Alpha        0      0.00
## 2403 2021-08-29 California        State       Total      453    100.00
## 2404 2021-08-29 California        State     Omicron        0      0.00
## 2405 2021-08-29 California        State          Mu        0      0.00
## 2406 2021-08-29 California        State       Gamma        0      0.00
## 2407 2021-08-29 California        State       Delta      449     99.12
## 2408 2021-08-29 California        State       Other        4      0.88
## 2409 2021-08-29 California        State     Epsilon        0      0.00
## 2410 2021-08-29 California        State        Beta        0      0.00
```

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## 2411 2021-08-30 California      State       Other   47    2.99
## 2412 2021-08-30 California      State          Mu    1    0.06
## 2413 2021-08-30 California      State      Lambda    0    0.00
## 2414 2021-08-30 California      State     Omicron    0    0.00
## 2415 2021-08-30 California      State        Beta    0    0.00
## 2416 2021-08-30 California      State       Total 1572  100.00
## 2417 2021-08-30 California      State       Gamma    0    0.00
## 2418 2021-08-30 California      State       Delta 1524   96.95
## 2419 2021-08-30 California      State     Epsilon    0    0.00
## 2420 2021-08-30 California      State       Alpha    0    0.00
## 2421 2021-08-31 California      State       Other   18    1.04
## 2422 2021-08-31 California      State     Omicron    1    0.06
## 2423 2021-08-31 California      State       Total 1732  100.00
## 2424 2021-08-31 California      State       Alpha    3    0.17
## 2425 2021-08-31 California      State       Gamma    1    0.06
## 2426 2021-08-31 California      State       Delta 1709   98.67
## 2427 2021-08-31 California      State        Beta    0    0.00
## 2428 2021-08-31 California      State      Lambda    0    0.00
## 2429 2021-08-31 California      State          Mu    0    0.00
## 2430 2021-08-31 California      State     Epsilon    0    0.00
## 2431 2021-09-01 California      State       Alpha    0    0.00
## 2432 2021-09-01 California      State       Gamma    0    0.00
## 2433 2021-09-01 California      State     Epsilon    0    0.00
## 2434 2021-09-01 California      State        Beta    0    0.00
## 2435 2021-09-01 California      State          Mu    2    0.15
## 2436 2021-09-01 California      State     Omicron    1    0.08
## 2437 2021-09-01 California      State       Delta 1306   99.39
## 2438 2021-09-01 California      State       Other    5    0.38
## 2439 2021-09-01 California      State      Lambda    0    0.00
## 2440 2021-09-01 California      State       Total 1314  100.00
## 2441 2021-09-02 California      State       Delta 1217   99.43
## 2442 2021-09-02 California      State       Total 1224  100.00
## 2443 2021-09-02 California      State       Alpha    2    0.16
## 2444 2021-09-02 California      State     Omicron    1    0.08
## 2445 2021-09-02 California      State       Other    4    0.33
## 2446 2021-09-02 California      State          Mu    0    0.00
## 2447 2021-09-02 California      State     Epsilon    0    0.00
## 2448 2021-09-02 California      State      Lambda    0    0.00
## 2449 2021-09-02 California      State       Gamma    0    0.00
## 2450 2021-09-02 California      State        Beta    0    0.00
## 2451 2021-09-03 California      State       Alpha    1    0.12
## 2452 2021-09-03 California      State       Total  816  100.00
## 2453 2021-09-03 California      State        Beta    0    0.00
## 2454 2021-09-03 California      State       Gamma    0    0.00
## 2455 2021-09-03 California      State     Omicron    2    0.25
## 2456 2021-09-03 California      State      Lambda    0    0.00
## 2457 2021-09-03 California      State       Other   12    1.47
## 2458 2021-09-03 California      State     Epsilon    0    0.00
## 2459 2021-09-03 California      State       Delta  800   98.04
## 2460 2021-09-03 California      State          Mu    1    0.12
## 2461 2021-09-04 California      State       Delta  999   97.46
## 2462 2021-09-04 California      State       Total 1025  100.00
## 2463 2021-09-04 California      State     Epsilon    0    0.00
## 2464 2021-09-04 California      State        Beta    0    0.00
```

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## 2465 2021-09-04 California        State         Alpha          1        0.10
## 2466 2021-09-04 California        State       Omicron          1        0.10
## 2467 2021-09-04 California        State         Gamma          1        0.10
## 2468 2021-09-04 California        State            Mu          1        0.10
## 2469 2021-09-04 California        State         Other         22        2.15
## 2470 2021-09-04 California        State        Lambda          0        0.00
## 2471 2021-09-05 California        State       Epsilon          0        0.00
## 2472 2021-09-05 California        State        Lambda          0        0.00
## 2473 2021-09-05 California        State         Delta        607       95.74
## 2474 2021-09-05 California        State         Other         26        4.10
## 2475 2021-09-05 California        State       Omicron          0        0.00
## 2476 2021-09-05 California        State         Gamma          0        0.00
## 2477 2021-09-05 California        State         Alpha          0        0.00
## 2478 2021-09-05 California        State          Beta          0        0.00
## 2479 2021-09-05 California        State            Mu          1        0.16
## 2480 2021-09-05 California        State         Total        634      100.00
## 2481 2021-09-06 California        State            Mu          0        0.00
## 2482 2021-09-06 California        State        Lambda          0        0.00
## 2483 2021-09-06 California        State         Total        844      100.00
## 2484 2021-09-06 California        State         Gamma          1        0.12
## 2485 2021-09-06 California        State         Delta        815       96.56
## 2486 2021-09-06 California        State          Beta          0        0.00
## 2487 2021-09-06 California        State         Alpha          0        0.00
## 2488 2021-09-06 California        State         Other         28        3.32
## 2489 2021-09-06 California        State       Epsilon          0        0.00
## 2490 2021-09-06 California        State       Omicron          0        0.00
## 2491 2021-09-07 California        State       Epsilon          0        0.00
## 2492 2021-09-07 California        State         Other         78        4.02
## 2493 2021-09-07 California        State         Alpha          0        0.00
## 2494 2021-09-07 California        State         Delta       1859       95.92
## 2495 2021-09-07 California        State        Lambda          0        0.00
## 2496 2021-09-07 California        State         Total       1938      100.00
## 2497 2021-09-07 California        State            Mu          0        0.00
## 2498 2021-09-07 California        State       Omicron          1        0.05
## 2499 2021-09-07 California        State          Beta          0        0.00
## 2500 2021-09-07 California        State         Gamma          0        0.00
## 2501 2021-09-08 California        State          Beta          0        0.00
## 2502 2021-09-08 California        State         Alpha          1        0.06
## 2503 2021-09-08 California        State         Gamma          3        0.19
## 2504 2021-09-08 California        State            Mu          0        0.00
## 2505 2021-09-08 California        State         Other         26        1.61
## 2506 2021-09-08 California        State       Epsilon          0        0.00
## 2507 2021-09-08 California        State         Total       1618      100.00
## 2508 2021-09-08 California        State       Omicron          2        0.12
## 2509 2021-09-08 California        State        Lambda          0        0.00
## 2510 2021-09-08 California        State         Delta       1586       98.02
## 2511 2021-09-09 California        State         Alpha          0        0.00
## 2512 2021-09-09 California        State       Omicron          1        0.07
## 2513 2021-09-09 California        State        Lambda          0        0.00
## 2514 2021-09-09 California        State         Gamma          1        0.07
## 2515 2021-09-09 California        State            Mu          0        0.00
## 2516 2021-09-09 California        State         Other          7        0.48
## 2517 2021-09-09 California        State          Beta          0        0.00
## 2518 2021-09-09 California        State         Total       1457      100.00
```

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## 2519 2021-09-09 California        State        Epsilon       0        0.00
## 2520 2021-09-09 California        State          Delta    1448       99.38
## 2521 2021-09-10 California        State          Delta    1368       99.06
## 2522 2021-09-10 California        State        Epsilon       0        0.00
## 2523 2021-09-10 California        State          Alpha       1        0.07
## 2524 2021-09-10 California        State        Omicron       1        0.07
## 2525 2021-09-10 California        State          Gamma       0        0.00
## 2526 2021-09-10 California        State         Lambda       0        0.00
## 2527 2021-09-10 California        State          Total    1381      100.00
## 2528 2021-09-10 California        State          Other      11        0.80
## 2529 2021-09-10 California        State             Mu       0        0.00
## 2530 2021-09-10 California        State           Beta       0        0.00
## 2531 2021-09-11 California        State          Delta     885       99.77
## 2532 2021-09-11 California        State        Epsilon       0        0.00
## 2533 2021-09-11 California        State          Total     887      100.00
## 2534 2021-09-11 California        State          Gamma       0        0.00
## 2535 2021-09-11 California        State        Omicron       1        0.11
## 2536 2021-09-11 California        State          Alpha       0        0.00
## 2537 2021-09-11 California        State             Mu       0        0.00
## 2538 2021-09-11 California        State          Other       1        0.11
## 2539 2021-09-11 California        State           Beta       0        0.00
## 2540 2021-09-11 California        State         Lambda       0        0.00
## 2541 2021-09-12 California        State          Other       4        1.18
## 2542 2021-09-12 California        State          Gamma       0        0.00
## 2543 2021-09-12 California        State             Mu       0        0.00
## 2544 2021-09-12 California        State          Total     340      100.00
## 2545 2021-09-12 California        State        Epsilon       0        0.00
## 2546 2021-09-12 California        State         Lambda       0        0.00
## 2547 2021-09-12 California        State           Beta       0        0.00
## 2548 2021-09-12 California        State          Alpha       0        0.00
## 2549 2021-09-12 California        State          Delta     335       98.53
## 2550 2021-09-12 California        State        Omicron       1        0.29
## 2551 2021-09-13 California        State          Gamma       0        0.00
## 2552 2021-09-13 California        State        Epsilon       0        0.00
## 2553 2021-09-13 California        State           Beta       0        0.00
## 2554 2021-09-13 California        State        Omicron       4        0.22
## 2555 2021-09-13 California        State          Total    1860      100.00
## 2556 2021-09-13 California        State         Lambda       0        0.00
## 2557 2021-09-13 California        State          Alpha       0        0.00
## 2558 2021-09-13 California        State          Other      25        1.34
## 2559 2021-09-13 California        State             Mu       0        0.00
## 2560 2021-09-13 California        State          Delta    1831       98.44
## 2561 2021-09-14 California        State         Lambda       0        0.00
## 2562 2021-09-14 California        State          Other      15        1.15
## 2563 2021-09-14 California        State             Mu       0        0.00
## 2564 2021-09-14 California        State          Gamma       0        0.00
## 2565 2021-09-14 California        State          Delta    1286       98.70
## 2566 2021-09-14 California        State           Beta       0        0.00
## 2567 2021-09-14 California        State        Omicron       1        0.08
## 2568 2021-09-14 California        State          Total    1303      100.00
## 2569 2021-09-14 California        State        Epsilon       1        0.08
## 2570 2021-09-14 California        State          Alpha       0        0.00
## 2571 2021-09-15 California        State          Delta     887       99.78
## 2572 2021-09-15 California        State          Alpha       0        0.00
```

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## 2573 2021-09-15 California        State        Omicron         0        0.00
## 2574 2021-09-15 California        State        Epsilon         0        0.00
## 2575 2021-09-15 California        State          Total       889      100.00
## 2576 2021-09-15 California        State             Mu         1        0.11
## 2577 2021-09-15 California        State          Gamma         0        0.00
## 2578 2021-09-15 California        State          Other         1        0.11
## 2579 2021-09-15 California        State         Lambda         0        0.00
## 2580 2021-09-15 California        State           Beta         0        0.00
## 2581 2021-09-16 California        State           Beta         0        0.00
## 2582 2021-09-16 California        State        Omicron         0        0.00
## 2583 2021-09-16 California        State          Alpha         0        0.00
## 2584 2021-09-16 California        State          Gamma         1        0.11
## 2585 2021-09-16 California        State        Epsilon         0        0.00
## 2586 2021-09-16 California        State          Other         4        0.44
## 2587 2021-09-16 California        State          Total       909      100.00
## 2588 2021-09-16 California        State             Mu         0        0.00
## 2589 2021-09-16 California        State          Delta       904       99.45
## 2590 2021-09-16 California        State         Lambda         0        0.00
## 2591 2021-09-17 California        State          Other         3        0.27
## 2592 2021-09-17 California        State             Mu         0        0.00
## 2593 2021-09-17 California        State          Delta      1117       99.55
## 2594 2021-09-17 California        State          Total      1122      100.00
## 2595 2021-09-17 California        State         Lambda         0        0.00
## 2596 2021-09-17 California        State          Gamma         0        0.00
## 2597 2021-09-17 California        State        Epsilon         0        0.00
## 2598 2021-09-17 California        State          Alpha         1        0.09
## 2599 2021-09-17 California        State           Beta         0        0.00
## 2600 2021-09-17 California        State        Omicron         1        0.09
## 2601 2021-09-18 California        State          Gamma         1        0.14
## 2602 2021-09-18 California        State          Alpha         0        0.00
## 2603 2021-09-18 California        State             Mu         2        0.28
## 2604 2021-09-18 California        State        Epsilon         0        0.00
## 2605 2021-09-18 California        State          Total       706      100.00
## 2606 2021-09-18 California        State           Beta         0        0.00
## 2607 2021-09-18 California        State        Omicron         0        0.00
## 2608 2021-09-18 California        State          Delta       703       99.58
## 2609 2021-09-18 California        State          Other         0        0.00
## 2610 2021-09-18 California        State         Lambda         0        0.00
## 2611 2021-09-19 California        State          Alpha         0        0.00
## 2612 2021-09-19 California        State        Omicron         0        0.00
## 2613 2021-09-19 California        State        Epsilon         0        0.00
## 2614 2021-09-19 California        State         Lambda         0        0.00
## 2615 2021-09-19 California        State           Beta         0        0.00
## 2616 2021-09-19 California        State          Delta       351       99.43
## 2617 2021-09-19 California        State             Mu         0        0.00
## 2618 2021-09-19 California        State          Other         2        0.57
## 2619 2021-09-19 California        State          Total       353      100.00
## 2620 2021-09-19 California        State          Gamma         0        0.00
## 2621 2021-09-20 California        State          Delta      1635       99.15
## 2622 2021-09-20 California        State             Mu         2        0.12
## 2623 2021-09-20 California        State        Epsilon         0        0.00
## 2624 2021-09-20 California        State          Other        12        0.73
## 2625 2021-09-20 California        State        Omicron         0        0.00
## 2626 2021-09-20 California        State         Lambda         0        0.00
```

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## 2627 2021-09-20 California      State      Gamma      0      0.00
## 2628 2021-09-20 California      State      Total   1649    100.00
## 2629 2021-09-20 California      State       Beta      0      0.00
## 2630 2021-09-20 California      State      Alpha      0      0.00
## 2631 2021-09-21 California      State    Epsilon      0      0.00
## 2632 2021-09-21 California      State      Delta   1361     99.42
## 2633 2021-09-21 California      State    Omicron      0      0.00
## 2634 2021-09-21 California      State      Gamma      0      0.00
## 2635 2021-09-21 California      State       Beta      0      0.00
## 2636 2021-09-21 California      State      Alpha      0      0.00
## 2637 2021-09-21 California      State         Mu      0      0.00
## 2638 2021-09-21 California      State      Total   1369    100.00
## 2639 2021-09-21 California      State      Other      8      0.58
## 2640 2021-09-21 California      State     Lambda      0      0.00
## 2641 2021-09-22 California      State     Lambda      0      0.00
## 2642 2021-09-22 California      State      Delta    837     99.52
## 2643 2021-09-22 California      State      Total    841    100.00
## 2644 2021-09-22 California      State       Beta      0      0.00
## 2645 2021-09-22 California      State    Epsilon      0      0.00
## 2646 2021-09-22 California      State      Other      3      0.36
## 2647 2021-09-22 California      State         Mu      0      0.00
## 2648 2021-09-22 California      State      Gamma      0      0.00
## 2649 2021-09-22 California      State      Alpha      0      0.00
## 2650 2021-09-22 California      State    Omicron      1      0.12
## 2651 2021-09-23 California      State       Beta      0      0.00
## 2652 2021-09-23 California      State      Delta    748     99.34
## 2653 2021-09-23 California      State    Epsilon      0      0.00
## 2654 2021-09-23 California      State      Alpha      0      0.00
## 2655 2021-09-23 California      State         Mu      0      0.00
## 2656 2021-09-23 California      State      Total    753    100.00
## 2657 2021-09-23 California      State     Lambda      0      0.00
## 2658 2021-09-23 California      State      Gamma      0      0.00
## 2659 2021-09-23 California      State      Other      2      0.27
## 2660 2021-09-23 California      State    Omicron      3      0.40
## 2661 2021-09-24 California      State    Omicron      2      0.20
## 2662 2021-09-24 California      State         Mu      0      0.00
## 2663 2021-09-24 California      State    Epsilon      0      0.00
## 2664 2021-09-24 California      State      Delta   1001     99.50
## 2665 2021-09-24 California      State      Alpha      0      0.00
## 2666 2021-09-24 California      State      Total   1006    100.00
## 2667 2021-09-24 California      State      Other      3      0.30
## 2668 2021-09-24 California      State       Beta      0      0.00
## 2669 2021-09-24 California      State     Lambda      0      0.00
## 2670 2021-09-24 California      State      Gamma      0      0.00
## 2671 2021-09-25 California      State      Alpha      0      0.00
## 2672 2021-09-25 California      State    Omicron      1      0.15
## 2673 2021-09-25 California      State      Gamma      0      0.00
## 2674 2021-09-25 California      State       Beta      0      0.00
## 2675 2021-09-25 California      State      Other      0      0.00
## 2676 2021-09-25 California      State      Total    647    100.00
## 2677 2021-09-25 California      State         Mu      0      0.00
## 2678 2021-09-25 California      State     Lambda      0      0.00
## 2679 2021-09-25 California      State      Delta    646     99.85
## 2680 2021-09-25 California      State    Epsilon      0      0.00
```

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## 2681 2021-09-26 California        State        Delta     450     99.34
## 2682 2021-09-26 California        State      Epsilon       0      0.00
## 2683 2021-09-26 California        State        Other       2      0.44
## 2684 2021-09-26 California        State           Mu       0      0.00
## 2685 2021-09-26 California        State        Gamma       0      0.00
## 2686 2021-09-26 California        State        Alpha       0      0.00
## 2687 2021-09-26 California        State      Omicron       1      0.22
## 2688 2021-09-26 California        State         Beta       0      0.00
## 2689 2021-09-26 California        State       Lambda       0      0.00
## 2690 2021-09-26 California        State        Total     453    100.00
## 2691 2021-09-27 California        State      Epsilon       0      0.00
## 2692 2021-09-27 California        State      Omicron       2      0.14
## 2693 2021-09-27 California        State        Other       5      0.34
## 2694 2021-09-27 California        State        Alpha       2      0.14
## 2695 2021-09-27 California        State        Delta    1441     99.31
## 2696 2021-09-27 California        State       Lambda       0      0.00
## 2697 2021-09-27 California        State        Gamma       0      0.00
## 2698 2021-09-27 California        State        Total    1451    100.00
## 2699 2021-09-27 California        State           Mu       1      0.07
## 2700 2021-09-27 California        State         Beta       0      0.00
## 2701 2021-09-28 California        State        Gamma       0      0.00
## 2702 2021-09-28 California        State           Mu       1      0.09
## 2703 2021-09-28 California        State        Other       0      0.00
## 2704 2021-09-28 California        State        Alpha       0      0.00
## 2705 2021-09-28 California        State      Omicron       0      0.00
## 2706 2021-09-28 California        State         Beta       0      0.00
## 2707 2021-09-28 California        State        Delta    1055     99.91
## 2708 2021-09-28 California        State      Epsilon       0      0.00
## 2709 2021-09-28 California        State       Lambda       0      0.00
## 2710 2021-09-28 California        State        Total    1056    100.00
## 2711 2021-09-29 California        State       Lambda       0      0.00
## 2712 2021-09-29 California        State        Alpha       1      0.09
## 2713 2021-09-29 California        State      Epsilon       0      0.00
## 2714 2021-09-29 California        State      Omicron       0      0.00
## 2715 2021-09-29 California        State        Gamma       0      0.00
## 2716 2021-09-29 California        State        Delta    1076     98.99
## 2717 2021-09-29 California        State           Mu       1      0.09
## 2718 2021-09-29 California        State        Total    1087    100.00
## 2719 2021-09-29 California        State        Other       9      0.83
## 2720 2021-09-29 California        State         Beta       0      0.00
## 2721 2021-09-30 California        State        Alpha       0      0.00
## 2722 2021-09-30 California        State         Beta       0      0.00
## 2723 2021-09-30 California        State      Omicron       1      0.10
## 2724 2021-09-30 California        State      Epsilon       0      0.00
## 2725 2021-09-30 California        State        Gamma       0      0.00
## 2726 2021-09-30 California        State        Total     983    100.00
## 2727 2021-09-30 California        State        Other       3      0.31
## 2728 2021-09-30 California        State       Lambda       0      0.00
## 2729 2021-09-30 California        State        Delta     979     99.59
## 2730 2021-09-30 California        State           Mu       0      0.00
## 2731 2021-10-01 California        State           Mu       0      0.00
## 2732 2021-10-01 California        State      Epsilon       0      0.00
## 2733 2021-10-01 California        State        Other       5      0.45
## 2734 2021-10-01 California        State        Alpha       0      0.00
```

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## 2735 2021-10-01 California        State      Gamma       0        0.00
## 2736 2021-10-01 California        State       Beta       0        0.00
## 2737 2021-10-01 California        State      Total    1100      100.00
## 2738 2021-10-01 California        State     Lambda       0        0.00
## 2739 2021-10-01 California        State    Omicron       1        0.09
## 2740 2021-10-01 California        State      Delta    1094       99.45
## 2741 2021-10-02 California        State    Epsilon       0        0.00
## 2742 2021-10-02 California        State      Alpha       0        0.00
## 2743 2021-10-02 California        State      Other      18        3.07
## 2744 2021-10-02 California        State      Total     587      100.00
## 2745 2021-10-02 California        State    Omicron       0        0.00
## 2746 2021-10-02 California        State         Mu       0        0.00
## 2747 2021-10-02 California        State      Gamma       0        0.00
## 2748 2021-10-02 California        State       Beta       0        0.00
## 2749 2021-10-02 California        State      Delta     569       96.93
## 2750 2021-10-02 California        State     Lambda       0        0.00
## 2751 2021-10-03 California        State    Omicron       0        0.00
## 2752 2021-10-03 California        State         Mu       0        0.00
## 2753 2021-10-03 California        State      Total     386      100.00
## 2754 2021-10-03 California        State      Delta     375       97.15
## 2755 2021-10-03 California        State    Epsilon       0        0.00
## 2756 2021-10-03 California        State       Beta       0        0.00
## 2757 2021-10-03 California        State     Lambda       0        0.00
## 2758 2021-10-03 California        State      Alpha       0        0.00
## 2759 2021-10-03 California        State      Other      11        2.85
## 2760 2021-10-03 California        State      Gamma       0        0.00
## 2761 2021-10-04 California        State     Lambda       0        0.00
## 2762 2021-10-04 California        State      Delta    1444       98.77
## 2763 2021-10-04 California        State      Gamma       0        0.00
## 2764 2021-10-04 California        State       Beta       0        0.00
## 2765 2021-10-04 California        State    Epsilon       0        0.00
## 2766 2021-10-04 California        State    Omicron       0        0.00
## 2767 2021-10-04 California        State      Alpha       0        0.00
## 2768 2021-10-04 California        State      Total    1462      100.00
## 2769 2021-10-04 California        State      Other      17        1.16
## 2770 2021-10-04 California        State         Mu       1        0.07
## 2771 2021-10-05 California        State         Mu       0        0.00
## 2772 2021-10-05 California        State      Alpha       0        0.00
## 2773 2021-10-05 California        State      Total    1248      100.00
## 2774 2021-10-05 California        State      Delta    1234       98.88
## 2775 2021-10-05 California        State      Other      14        1.12
## 2776 2021-10-05 California        State     Lambda       0        0.00
## 2777 2021-10-05 California        State      Gamma       0        0.00
## 2778 2021-10-05 California        State    Omicron       0        0.00
## 2779 2021-10-05 California        State       Beta       0        0.00
## 2780 2021-10-05 California        State    Epsilon       0        0.00
## 2781 2021-10-06 California        State     Lambda       0        0.00
## 2782 2021-10-06 California        State         Mu       1        0.10
## 2783 2021-10-06 California        State      Total    1011      100.00
## 2784 2021-10-06 California        State      Alpha       0        0.00
## 2785 2021-10-06 California        State      Delta     997       98.62
## 2786 2021-10-06 California        State    Omicron       1        0.10
## 2787 2021-10-06 California        State      Other      12        1.19
## 2788 2021-10-06 California        State      Gamma       0        0.00
```

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## 2789 2021-10-06 California      State       Epsilon        0        0.00
## 2790 2021-10-06 California      State          Beta        0        0.00
## 2791 2021-10-07 California      State            Mu        0        0.00
## 2792 2021-10-07 California      State       Epsilon        0        0.00
## 2793 2021-10-07 California      State          Beta        0        0.00
## 2794 2021-10-07 California      State         Total      934      100.00
## 2795 2021-10-07 California      State         Delta      924       98.93
## 2796 2021-10-07 California      State       Omicron        1        0.11
## 2797 2021-10-07 California      State        Lambda        0        0.00
## 2798 2021-10-07 California      State         Gamma        0        0.00
## 2799 2021-10-07 California      State         Alpha        0        0.00
## 2800 2021-10-07 California      State         Other        9        0.96
## 2801 2021-10-08 California      State         Alpha        0        0.00
## 2802 2021-10-08 California      State       Omicron        0        0.00
## 2803 2021-10-08 California      State        Lambda        0        0.00
## 2804 2021-10-08 California      State         Total      841      100.00
## 2805 2021-10-08 California      State          Beta        0        0.00
## 2806 2021-10-08 California      State       Epsilon        0        0.00
## 2807 2021-10-08 California      State         Other        9        1.07
## 2808 2021-10-08 California      State            Mu        0        0.00
## 2809 2021-10-08 California      State         Gamma        0        0.00
## 2810 2021-10-08 California      State         Delta      832       98.93
## 2811 2021-10-09 California      State         Total      723      100.00
## 2812 2021-10-09 California      State            Mu        0        0.00
## 2813 2021-10-09 California      State         Other        8        1.11
## 2814 2021-10-09 California      State          Beta        0        0.00
## 2815 2021-10-09 California      State         Gamma        0        0.00
## 2816 2021-10-09 California      State       Omicron        1        0.14
## 2817 2021-10-09 California      State       Epsilon        0        0.00
## 2818 2021-10-09 California      State         Alpha        0        0.00
## 2819 2021-10-09 California      State         Delta      714       98.76
## 2820 2021-10-09 California      State        Lambda        0        0.00
## 2821 2021-10-10 California      State         Gamma        0        0.00
## 2822 2021-10-10 California      State       Omicron        0        0.00
## 2823 2021-10-10 California      State          Beta        0        0.00
## 2824 2021-10-10 California      State       Epsilon        0        0.00
## 2825 2021-10-10 California      State        Lambda        0        0.00
## 2826 2021-10-10 California      State         Total      443      100.00
## 2827 2021-10-10 California      State         Other        0        0.00
## 2828 2021-10-10 California      State         Delta      443      100.00
## 2829 2021-10-10 California      State            Mu        0        0.00
## 2830 2021-10-10 California      State         Alpha        0        0.00
## 2831 2021-10-11 California      State         Delta     1074       99.63
## 2832 2021-10-11 California      State         Alpha        0        0.00
## 2833 2021-10-11 California      State       Epsilon        0        0.00
## 2834 2021-10-11 California      State         Gamma        0        0.00
## 2835 2021-10-11 California      State         Other        3        0.28
## 2836 2021-10-11 California      State            Mu        1        0.09
## 2837 2021-10-11 California      State         Total     1078      100.00
## 2838 2021-10-11 California      State        Lambda        0        0.00
## 2839 2021-10-11 California      State       Omicron        0        0.00
## 2840 2021-10-11 California      State          Beta        0        0.00
## 2841 2021-10-12 California      State        Lambda        0        0.00
## 2842 2021-10-12 California      State         Total     1330      100.00
```

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## 2843 2021-10-12 California      State       Gamma         0       0.00
## 2844 2021-10-12 California      State     Epsilon         0       0.00
## 2845 2021-10-12 California      State        Beta         0       0.00
## 2846 2021-10-12 California      State          Mu         0       0.00
## 2847 2021-10-12 California      State       Other         2       0.15
## 2848 2021-10-12 California      State     Omicron         3       0.23
## 2849 2021-10-12 California      State       Alpha         0       0.00
## 2850 2021-10-12 California      State       Delta      1325      99.62
## 2851 2021-10-13 California      State      Lambda         0       0.00
## 2852 2021-10-13 California      State          Mu         0       0.00
## 2853 2021-10-13 California      State        Beta         0       0.00
## 2854 2021-10-13 California      State       Alpha         0       0.00
## 2855 2021-10-13 California      State     Omicron         0       0.00
## 2856 2021-10-13 California      State       Gamma         0       0.00
## 2857 2021-10-13 California      State     Epsilon         0       0.00
## 2858 2021-10-13 California      State       Delta       964      99.69
## 2859 2021-10-13 California      State       Total       967     100.00
## 2860 2021-10-13 California      State       Other         3       0.31
## 2861 2021-10-14 California      State        Beta         0       0.00
## 2862 2021-10-14 California      State          Mu         0       0.00
## 2863 2021-10-14 California      State       Total       977     100.00
## 2864 2021-10-14 California      State       Alpha         0       0.00
## 2865 2021-10-14 California      State     Epsilon         0       0.00
## 2866 2021-10-14 California      State       Delta       972      99.49
## 2867 2021-10-14 California      State      Lambda         0       0.00
## 2868 2021-10-14 California      State     Omicron         1       0.10
## 2869 2021-10-14 California      State       Gamma         0       0.00
## 2870 2021-10-14 California      State       Other         4       0.41
## 2871 2021-10-15 California      State          Mu         0       0.00
## 2872 2021-10-15 California      State       Alpha         0       0.00
## 2873 2021-10-15 California      State     Omicron         0       0.00
## 2874 2021-10-15 California      State       Total      1174     100.00
## 2875 2021-10-15 California      State       Delta      1166      99.32
## 2876 2021-10-15 California      State       Gamma         0       0.00
## 2877 2021-10-15 California      State      Lambda         0       0.00
## 2878 2021-10-15 California      State        Beta         0       0.00
## 2879 2021-10-15 California      State       Other         8       0.68
## 2880 2021-10-15 California      State     Epsilon         0       0.00
## 2881 2021-10-16 California      State       Other        12       1.84
## 2882 2021-10-16 California      State     Omicron         1       0.15
## 2883 2021-10-16 California      State       Delta       640      98.01
## 2884 2021-10-16 California      State       Gamma         0       0.00
## 2885 2021-10-16 California      State       Total       653     100.00
## 2886 2021-10-16 California      State        Beta         0       0.00
## 2887 2021-10-16 California      State          Mu         0       0.00
## 2888 2021-10-16 California      State      Lambda         0       0.00
## 2889 2021-10-16 California      State       Alpha         0       0.00
## 2890 2021-10-16 California      State     Epsilon         0       0.00
## 2891 2021-10-17 California      State       Delta       369      97.62
## 2892 2021-10-17 California      State       Total       378     100.00
## 2893 2021-10-17 California      State       Gamma         0       0.00
## 2894 2021-10-17 California      State      Lambda         0       0.00
## 2895 2021-10-17 California      State       Alpha         0       0.00
## 2896 2021-10-17 California      State       Other         9       2.38
```

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## 2897 2021-10-17 California      State        Beta        0      0.00
## 2898 2021-10-17 California      State     Epsilon        0      0.00
## 2899 2021-10-17 California      State     Omicron        0      0.00
## 2900 2021-10-17 California      State          Mu        0      0.00
## 2901 2021-10-18 California      State       Gamma        0      0.00
## 2902 2021-10-18 California      State       Alpha        0      0.00
## 2903 2021-10-18 California      State     Epsilon        0      0.00
## 2904 2021-10-18 California      State     Omicron        2      0.13
## 2905 2021-10-18 California      State          Mu        0      0.00
## 2906 2021-10-18 California      State        Beta        0      0.00
## 2907 2021-10-18 California      State      Lambda        0      0.00
## 2908 2021-10-18 California      State       Other        9      0.57
## 2909 2021-10-18 California      State       Total     1589    100.00
## 2910 2021-10-18 California      State       Delta     1578     99.31
## 2911 2021-10-19 California      State          Mu        0      0.00
## 2912 2021-10-19 California      State       Alpha        0      0.00
## 2913 2021-10-19 California      State       Total     1488    100.00
## 2914 2021-10-19 California      State       Gamma        0      0.00
## 2915 2021-10-19 California      State        Beta        0      0.00
## 2916 2021-10-19 California      State     Epsilon        0      0.00
## 2917 2021-10-19 California      State       Other        4      0.27
## 2918 2021-10-19 California      State     Omicron        1      0.07
## 2919 2021-10-19 California      State       Delta     1483     99.66
## 2920 2021-10-19 California      State      Lambda        0      0.00
## 2921 2021-10-20 California      State     Omicron        1      0.08
## 2922 2021-10-20 California      State     Epsilon        0      0.00
## 2923 2021-10-20 California      State       Other        6      0.48
## 2924 2021-10-20 California      State       Gamma        0      0.00
## 2925 2021-10-20 California      State       Delta     1238     99.44
## 2926 2021-10-20 California      State       Total     1245    100.00
## 2927 2021-10-20 California      State      Lambda        0      0.00
## 2928 2021-10-20 California      State       Alpha        0      0.00
## 2929 2021-10-20 California      State          Mu        0      0.00
## 2930 2021-10-20 California      State        Beta        0      0.00
## 2931 2021-10-21 California      State       Other       10      0.81
## 2932 2021-10-21 California      State       Total     1237    100.00
## 2933 2021-10-21 California      State      Lambda        0      0.00
## 2934 2021-10-21 California      State        Beta        0      0.00
## 2935 2021-10-21 California      State     Omicron        0      0.00
## 2936 2021-10-21 California      State       Delta     1227     99.19
## 2937 2021-10-21 California      State       Alpha        0      0.00
## 2938 2021-10-21 California      State          Mu        0      0.00
## 2939 2021-10-21 California      State     Epsilon        0      0.00
## 2940 2021-10-21 California      State       Gamma        0      0.00
## 2941 2021-10-22 California      State          Mu        0      0.00
## 2942 2021-10-22 California      State       Gamma        0      0.00
## 2943 2021-10-22 California      State        Beta        0      0.00
## 2944 2021-10-22 California      State       Delta     1009     99.41
## 2945 2021-10-22 California      State     Omicron        0      0.00
## 2946 2021-10-22 California      State       Alpha        0      0.00
## 2947 2021-10-22 California      State      Lambda        0      0.00
## 2948 2021-10-22 California      State       Other        6      0.59
## 2949 2021-10-22 California      State       Total     1015    100.00
## 2950 2021-10-22 California      State     Epsilon        0      0.00
```

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## 2951 2021-10-23 California       State           Mu          0        0.00
## 2952 2021-10-23 California       State        Total        763      100.00
## 2953 2021-10-23 California       State       Lambda          0        0.00
## 2954 2021-10-23 California       State        Gamma          0        0.00
## 2955 2021-10-23 California       State         Beta          0        0.00
## 2956 2021-10-23 California       State      Omicron          1        0.13
## 2957 2021-10-23 California       State        Delta        760       99.61
## 2958 2021-10-23 California       State        Other          2        0.26
## 2959 2021-10-23 California       State      Epsilon          0        0.00
## 2960 2021-10-23 California       State        Alpha          0        0.00
## 2961 2021-10-24 California       State        Delta        571       98.96
## 2962 2021-10-24 California       State        Total        577      100.00
## 2963 2021-10-24 California       State      Omicron          1        0.17
## 2964 2021-10-24 California       State          Mu          0        0.00
## 2965 2021-10-24 California       State        Alpha          0        0.00
## 2966 2021-10-24 California       State         Beta          0        0.00
## 2967 2021-10-24 California       State      Epsilon          0        0.00
## 2968 2021-10-24 California       State        Gamma          0        0.00
## 2969 2021-10-24 California       State       Lambda          0        0.00
## 2970 2021-10-24 California       State        Other          5        0.87
## 2971 2021-10-25 California       State      Epsilon          0        0.00
## 2972 2021-10-25 California       State        Total       2124      100.00
## 2973 2021-10-25 California       State        Gamma          0        0.00
## 2974 2021-10-25 California       State        Alpha          0        0.00
## 2975 2021-10-25 California       State          Mu          0        0.00
## 2976 2021-10-25 California       State        Other         15        0.71
## 2977 2021-10-25 California       State         Beta          0        0.00
## 2978 2021-10-25 California       State      Omicron          3        0.14
## 2979 2021-10-25 California       State        Delta       2106       99.15
## 2980 2021-10-25 California       State       Lambda          0        0.00
## 2981 2021-10-26 California       State        Delta       1841       99.62
## 2982 2021-10-26 California       State      Omicron          0        0.00
## 2983 2021-10-26 California       State       Lambda          0        0.00
## 2984 2021-10-26 California       State          Mu          0        0.00
## 2985 2021-10-26 California       State        Other          7        0.38
## 2986 2021-10-26 California       State        Total       1848      100.00
## 2987 2021-10-26 California       State      Epsilon          0        0.00
## 2988 2021-10-26 California       State         Beta          0        0.00
## 2989 2021-10-26 California       State        Gamma          0        0.00
## 2990 2021-10-26 California       State        Alpha          0        0.00
## 2991 2021-10-27 California       State        Alpha          0        0.00
## 2992 2021-10-27 California       State      Omicron          2        0.12
## 2993 2021-10-27 California       State       Lambda          0        0.00
## 2994 2021-10-27 California       State        Total       1669      100.00
## 2995 2021-10-27 California       State        Gamma          0        0.00
## 2996 2021-10-27 California       State          Mu          0        0.00
## 2997 2021-10-27 California       State      Epsilon          0        0.00
## 2998 2021-10-27 California       State        Delta       1661       99.52
## 2999 2021-10-27 California       State         Beta          0        0.00
## 3000 2021-10-27 California       State        Other          6        0.36
## 3001 2021-10-28 California       State       Lambda          0        0.00
## 3002 2021-10-28 California       State      Omicron          1        0.08
## 3003 2021-10-28 California       State        Total       1238      100.00
## 3004 2021-10-28 California       State         Beta          0        0.00
```

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## 3005 2021-10-28 California      State       Gamma         0       0.00
## 3006 2021-10-28 California      State       Other         7       0.57
## 3007 2021-10-28 California      State          Mu         0       0.00
## 3008 2021-10-28 California      State       Delta      1230      99.35
## 3009 2021-10-28 California      State     Epsilon         0       0.00
## 3010 2021-10-28 California      State       Alpha         0       0.00
## 3011 2021-10-29 California      State        Beta         0       0.00
## 3012 2021-10-29 California      State       Total      1079     100.00
## 3013 2021-10-29 California      State          Mu         0       0.00
## 3014 2021-10-29 California      State     Omicron         2       0.19
## 3015 2021-10-29 California      State       Alpha         0       0.00
## 3016 2021-10-29 California      State       Gamma         0       0.00
## 3017 2021-10-29 California      State       Delta      1068      98.98
## 3018 2021-10-29 California      State      Lambda         0       0.00
## 3019 2021-10-29 California      State     Epsilon         0       0.00
## 3020 2021-10-29 California      State       Other         9       0.83
## 3021 2021-10-30 California      State     Epsilon         0       0.00
## 3022 2021-10-30 California      State       Alpha         0       0.00
## 3023 2021-10-30 California      State       Total       966     100.00
## 3024 2021-10-30 California      State       Delta       959      99.28
## 3025 2021-10-30 California      State       Other         6       0.62
## 3026 2021-10-30 California      State       Gamma         0       0.00
## 3027 2021-10-30 California      State      Lambda         0       0.00
## 3028 2021-10-30 California      State          Mu         0       0.00
## 3029 2021-10-30 California      State        Beta         0       0.00
## 3030 2021-10-30 California      State     Omicron         1       0.10
## 3031 2021-10-31 California      State     Epsilon         0       0.00
## 3032 2021-10-31 California      State       Total       577     100.00
## 3033 2021-10-31 California      State      Lambda         0       0.00
## 3034 2021-10-31 California      State        Beta         0       0.00
## 3035 2021-10-31 California      State     Omicron         1       0.17
## 3036 2021-10-31 California      State       Delta       576      99.83
## 3037 2021-10-31 California      State       Alpha         0       0.00
## 3038 2021-10-31 California      State       Other         0       0.00
## 3039 2021-10-31 California      State       Gamma         0       0.00
## 3040 2021-10-31 California      State          Mu         0       0.00
## 3041 2021-11-01 California      State       Alpha         0       0.00
## 3042 2021-11-01 California      State      Lambda         0       0.00
## 3043 2021-11-01 California      State       Delta      2123      99.67
## 3044 2021-11-01 California      State       Total      2130     100.00
## 3045 2021-11-01 California      State       Gamma         0       0.00
## 3046 2021-11-01 California      State     Omicron         1       0.05
## 3047 2021-11-01 California      State     Epsilon         0       0.00
## 3048 2021-11-01 California      State          Mu         0       0.00
## 3049 2021-11-01 California      State        Beta         0       0.00
## 3050 2021-11-01 California      State       Other         6       0.28
## 3051 2021-11-02 California      State       Gamma         0       0.00
## 3052 2021-11-02 California      State        Beta         0       0.00
## 3053 2021-11-02 California      State     Omicron         3       0.15
## 3054 2021-11-02 California      State       Delta      1944      99.18
## 3055 2021-11-02 California      State       Other        13       0.66
## 3056 2021-11-02 California      State     Epsilon         0       0.00
## 3057 2021-11-02 California      State          Mu         0       0.00
## 3058 2021-11-02 California      State       Total      1960     100.00
```

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## 3059 2021-11-02 California       State          Alpha          0        0.00
## 3060 2021-11-02 California       State         Lambda          0        0.00
## 3061 2021-11-03 California       State          Delta       1587       99.56
## 3062 2021-11-03 California       State          Total       1594      100.00
## 3063 2021-11-03 California       State         Lambda          0        0.00
## 3064 2021-11-03 California       State             Mu          0        0.00
## 3065 2021-11-03 California       State        Epsilon          0        0.00
## 3066 2021-11-03 California       State          Alpha          0        0.00
## 3067 2021-11-03 California       State          Other          6        0.38
## 3068 2021-11-03 California       State        Omicron          1        0.06
## 3069 2021-11-03 California       State          Gamma          0        0.00
## 3070 2021-11-03 California       State           Beta          0        0.00
## 3071 2021-11-04 California       State        Epsilon          0        0.00
## 3072 2021-11-04 California       State          Total       1705      100.00
## 3073 2021-11-04 California       State          Gamma          0        0.00
## 3074 2021-11-04 California       State          Delta       1697       99.53
## 3075 2021-11-04 California       State           Beta          0        0.00
## 3076 2021-11-04 California       State         Lambda          0        0.00
## 3077 2021-11-04 California       State        Omicron          1        0.06
## 3078 2021-11-04 California       State          Alpha          0        0.00
## 3079 2021-11-04 California       State          Other          7        0.41
## 3080 2021-11-04 California       State             Mu          0        0.00
## 3081 2021-11-05 California       State             Mu          0        0.00
## 3082 2021-11-05 California       State          Alpha          0        0.00
## 3083 2021-11-05 California       State          Gamma          0        0.00
## 3084 2021-11-05 California       State        Omicron          2        0.14
## 3085 2021-11-05 California       State         Lambda          0        0.00
## 3086 2021-11-05 California       State          Other         19        1.33
## 3087 2021-11-05 California       State          Delta       1408       98.53
## 3088 2021-11-05 California       State        Epsilon          0        0.00
## 3089 2021-11-05 California       State          Total       1429      100.00
## 3090 2021-11-05 California       State           Beta          0        0.00
## 3091 2021-11-06 California       State           Beta          0        0.00
## 3092 2021-11-06 California       State          Alpha          0        0.00
## 3093 2021-11-06 California       State         Lambda          0        0.00
## 3094 2021-11-06 California       State          Delta        794       99.25
## 3095 2021-11-06 California       State          Other          5        0.62
## 3096 2021-11-06 California       State             Mu          0        0.00
## 3097 2021-11-06 California       State        Omicron          1        0.12
## 3098 2021-11-06 California       State          Gamma          0        0.00
## 3099 2021-11-06 California       State          Total        800      100.00
## 3100 2021-11-06 California       State        Epsilon          0        0.00
## 3101 2021-11-07 California       State          Delta        532       99.81
## 3102 2021-11-07 California       State          Other          1        0.19
## 3103 2021-11-07 California       State         Lambda          0        0.00
## 3104 2021-11-07 California       State          Total        533      100.00
## 3105 2021-11-07 California       State           Beta          0        0.00
## 3106 2021-11-07 California       State          Alpha          0        0.00
## 3107 2021-11-07 California       State        Epsilon          0        0.00
## 3108 2021-11-07 California       State        Omicron          0        0.00
## 3109 2021-11-07 California       State             Mu          0        0.00
## 3110 2021-11-07 California       State          Gamma          0        0.00
## 3111 2021-11-08 California       State         Lambda          0        0.00
## 3112 2021-11-08 California       State        Epsilon          0        0.00
```

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## 3113 2021-11-08 California        State        Mu          0        0.00
## 3114 2021-11-08 California        State     Omicron        2        0.11
## 3115 2021-11-08 California        State       Total     1839      100.00
## 3116 2021-11-08 California        State        Beta        0        0.00
## 3117 2021-11-08 California        State       Gamma        0        0.00
## 3118 2021-11-08 California        State       Other       14        0.76
## 3119 2021-11-08 California        State       Delta     1823       99.13
## 3120 2021-11-08 California        State       Alpha        0        0.00
## 3121 2021-11-09 California        State     Omicron        0        0.00
## 3122 2021-11-09 California        State       Other        6        0.33
## 3123 2021-11-09 California        State          Mu        0        0.00
## 3124 2021-11-09 California        State       Total     1841      100.00
## 3125 2021-11-09 California        State       Gamma        0        0.00
## 3126 2021-11-09 California        State        Beta        0        0.00
## 3127 2021-11-09 California        State       Delta     1835       99.67
## 3128 2021-11-09 California        State       Alpha        0        0.00
## 3129 2021-11-09 California        State      Lambda        0        0.00
## 3130 2021-11-09 California        State     Epsilon        0        0.00
## 3131 2021-11-10 California        State        Beta        0        0.00
## 3132 2021-11-10 California        State       Total     1714      100.00
## 3133 2021-11-10 California        State     Epsilon        0        0.00
## 3134 2021-11-10 California        State      Lambda        0        0.00
## 3135 2021-11-10 California        State       Gamma        0        0.00
## 3136 2021-11-10 California        State          Mu        0        0.00
## 3137 2021-11-10 California        State     Omicron        1        0.06
## 3138 2021-11-10 California        State       Other        8        0.47
## 3139 2021-11-10 California        State       Alpha        0        0.00
## 3140 2021-11-10 California        State       Delta     1705       99.47
## 3141 2021-11-11 California        State       Gamma        0        0.00
## 3142 2021-11-11 California        State       Alpha        0        0.00
## 3143 2021-11-11 California        State     Epsilon        0        0.00
## 3144 2021-11-11 California        State       Other       10        0.99
## 3145 2021-11-11 California        State          Mu        0        0.00
## 3146 2021-11-11 California        State     Omicron        0        0.00
## 3147 2021-11-11 California        State      Lambda        0        0.00
## 3148 2021-11-11 California        State       Delta     1005       99.01
## 3149 2021-11-11 California        State        Beta        0        0.00
## 3150 2021-11-11 California        State       Total     1015      100.00
## 3151 2021-11-12 California        State     Omicron        2        0.12
## 3152 2021-11-12 California        State       Other       11        0.68
## 3153 2021-11-12 California        State     Epsilon        0        0.00
## 3154 2021-11-12 California        State        Beta        0        0.00
## 3155 2021-11-12 California        State       Alpha        0        0.00
## 3156 2021-11-12 California        State      Lambda        0        0.00
## 3157 2021-11-12 California        State       Delta     1600       99.19
## 3158 2021-11-12 California        State       Total     1613      100.00
## 3159 2021-11-12 California        State          Mu        0        0.00
## 3160 2021-11-12 California        State       Gamma        0        0.00
## 3161 2021-11-13 California        State       Other        5        0.54
## 3162 2021-11-13 California        State       Alpha        0        0.00
## 3163 2021-11-13 California        State     Omicron        0        0.00
## 3164 2021-11-13 California        State          Mu        0        0.00
## 3165 2021-11-13 California        State      Lambda        0        0.00
## 3166 2021-11-13 California        State        Beta        0        0.00
```

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## 3167 2021-11-13 California        State        Total         921    100.00
## 3168 2021-11-13 California        State      Epsilon           0      0.00
## 3169 2021-11-13 California        State        Gamma           0      0.00
## 3170 2021-11-13 California        State        Delta         916     99.46
## 3171 2021-11-14 California        State      Omicron           1      0.16
## 3172 2021-11-14 California        State       Lambda           0      0.00
## 3173 2021-11-14 California        State        Delta         601     99.01
## 3174 2021-11-14 California        State        Other           5      0.82
## 3175 2021-11-14 California        State         Beta           0      0.00
## 3176 2021-11-14 California        State      Epsilon           0      0.00
## 3177 2021-11-14 California        State        Total         607    100.00
## 3178 2021-11-14 California        State        Alpha           0      0.00
## 3179 2021-11-14 California        State        Gamma           0      0.00
## 3180 2021-11-14 California        State           Mu           0      0.00
## 3181 2021-11-15 California        State           Mu           0      0.00
## 3182 2021-11-15 California        State        Total        1806    100.00
## 3183 2021-11-15 California        State         Beta           0      0.00
## 3184 2021-11-15 California        State      Epsilon           0      0.00
## 3185 2021-11-15 California        State        Delta        1791     99.17
## 3186 2021-11-15 California        State       Lambda           0      0.00
## 3187 2021-11-15 California        State        Gamma           0      0.00
## 3188 2021-11-15 California        State      Omicron           1      0.06
## 3189 2021-11-15 California        State        Other          14      0.78
## 3190 2021-11-15 California        State        Alpha           0      0.00
## 3191 2021-11-16 California        State      Epsilon           0      0.00
## 3192 2021-11-16 California        State           Mu           0      0.00
## 3193 2021-11-16 California        State        Delta        1591     99.13
## 3194 2021-11-16 California        State       Lambda           0      0.00
## 3195 2021-11-16 California        State        Alpha           0      0.00
## 3196 2021-11-16 California        State      Omicron           1      0.06
## 3197 2021-11-16 California        State         Beta           0      0.00
## 3198 2021-11-16 California        State        Total        1605    100.00
## 3199 2021-11-16 California        State        Other          13      0.81
## 3200 2021-11-16 California        State        Gamma           0      0.00
## 3201 2021-11-17 California        State      Epsilon           0      0.00
## 3202 2021-11-17 California        State           Mu           0      0.00
## 3203 2021-11-17 California        State        Gamma           0      0.00
## 3204 2021-11-17 California        State        Total        1558    100.00
## 3205 2021-11-17 California        State       Lambda           0      0.00
## 3206 2021-11-17 California        State         Beta           0      0.00
## 3207 2021-11-17 California        State        Other          13      0.83
## 3208 2021-11-17 California        State        Alpha           0      0.00
## 3209 2021-11-17 California        State      Omicron           4      0.26
## 3210 2021-11-17 California        State        Delta        1541     98.91
## 3211 2021-11-18 California        State        Other           7      0.56
## 3212 2021-11-18 California        State        Delta        1237     99.36
## 3213 2021-11-18 California        State      Omicron           1      0.08
## 3214 2021-11-18 California        State        Gamma           0      0.00
## 3215 2021-11-18 California        State      Epsilon           0      0.00
## 3216 2021-11-18 California        State        Total        1245    100.00
## 3217 2021-11-18 California        State       Lambda           0      0.00
## 3218 2021-11-18 California        State           Mu           0      0.00
## 3219 2021-11-18 California        State         Beta           0      0.00
## 3220 2021-11-18 California        State        Alpha           0      0.00
```

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## 3221 2021-11-19 California       State       Other       7       0.58
## 3222 2021-11-19 California       State       Alpha       0       0.00
## 3223 2021-11-19 California       State          Mu       0       0.00
## 3224 2021-11-19 California       State       Total    1210     100.00
## 3225 2021-11-19 California       State      Lambda       0       0.00
## 3226 2021-11-19 California       State     Epsilon       0       0.00
## 3227 2021-11-19 California       State       Delta    1201      99.26
## 3228 2021-11-19 California       State       Gamma       0       0.00
## 3229 2021-11-19 California       State        Beta       0       0.00
## 3230 2021-11-19 California       State     Omicron       2       0.17
## 3231 2021-11-20 California       State       Delta     704      99.72
## 3232 2021-11-20 California       State      Lambda       0       0.00
## 3233 2021-11-20 California       State       Total     706     100.00
## 3234 2021-11-20 California       State       Other       2       0.28
## 3235 2021-11-20 California       State       Gamma       0       0.00
## 3236 2021-11-20 California       State     Omicron       0       0.00
## 3237 2021-11-20 California       State          Mu       0       0.00
## 3238 2021-11-20 California       State       Alpha       0       0.00
## 3239 2021-11-20 California       State        Beta       0       0.00
## 3240 2021-11-20 California       State     Epsilon       0       0.00
## 3241 2021-11-21 California       State        Beta       0       0.00
## 3242 2021-11-21 California       State      Lambda       0       0.00
## 3243 2021-11-21 California       State       Other       4       0.88
## 3244 2021-11-21 California       State     Epsilon       0       0.00
## 3245 2021-11-21 California       State       Gamma       0       0.00
## 3246 2021-11-21 California       State       Delta     446      98.67
## 3247 2021-11-21 California       State       Alpha       0       0.00
## 3248 2021-11-21 California       State     Omicron       2       0.44
## 3249 2021-11-21 California       State          Mu       0       0.00
## 3250 2021-11-21 California       State       Total     452     100.00
## 3251 2021-11-22 California       State       Total    1466     100.00
## 3252 2021-11-22 California       State      Lambda       0       0.00
## 3253 2021-11-22 California       State       Delta    1456      99.32
## 3254 2021-11-22 California       State       Gamma       0       0.00
## 3255 2021-11-22 California       State          Mu       0       0.00
## 3256 2021-11-22 California       State        Beta       0       0.00
## 3257 2021-11-22 California       State       Other       8       0.55
## 3258 2021-11-22 California       State       Alpha       0       0.00
## 3259 2021-11-22 California       State     Omicron       2       0.14
## 3260 2021-11-22 California       State     Epsilon       0       0.00
## 3261 2021-11-23 California       State     Omicron       1       0.07
## 3262 2021-11-23 California       State     Epsilon       0       0.00
## 3263 2021-11-23 California       State       Other       3       0.21
## 3264 2021-11-23 California       State       Total    1402     100.00
## 3265 2021-11-23 California       State       Delta    1398      99.71
## 3266 2021-11-23 California       State        Beta       0       0.00
## 3267 2021-11-23 California       State          Mu       0       0.00
## 3268 2021-11-23 California       State      Lambda       0       0.00
## 3269 2021-11-23 California       State       Gamma       0       0.00
## 3270 2021-11-23 California       State       Alpha       0       0.00
## 3271 2021-11-24 California       State     Epsilon       0       0.00
## 3272 2021-11-24 California       State      Lambda       0       0.00
## 3273 2021-11-24 California       State       Gamma       0       0.00
## 3274 2021-11-24 California       State       Alpha       0       0.00
```

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## 3275 2021-11-24 California      State      Omicron         1        0.08
## 3276 2021-11-24 California      State        Total      1227      100.00
## 3277 2021-11-24 California      State        Other         3        0.24
## 3278 2021-11-24 California      State        Delta      1223       99.67
## 3279 2021-11-24 California      State         Beta         0        0.00
## 3280 2021-11-24 California      State           Mu         0        0.00
## 3281 2021-11-25 California      State      Epsilon         0        0.00
## 3282 2021-11-25 California      State        Total       158      100.00
## 3283 2021-11-25 California      State        Delta       158      100.00
## 3284 2021-11-25 California      State         Beta         0        0.00
## 3285 2021-11-25 California      State        Gamma         0        0.00
## 3286 2021-11-25 California      State       Lambda         0        0.00
## 3287 2021-11-25 California      State        Alpha         0        0.00
## 3288 2021-11-25 California      State      Omicron         0        0.00
## 3289 2021-11-25 California      State           Mu         0        0.00
## 3290 2021-11-25 California      State        Other         0        0.00
## 3291 2021-11-26 California      State      Omicron         2        0.28
## 3292 2021-11-26 California      State       Lambda         0        0.00
## 3293 2021-11-26 California      State         Beta         0        0.00
## 3294 2021-11-26 California      State        Delta       705       98.60
## 3295 2021-11-26 California      State        Gamma         0        0.00
## 3296 2021-11-26 California      State        Other         8        1.12
## 3297 2021-11-26 California      State           Mu         0        0.00
## 3298 2021-11-26 California      State        Total       715      100.00
## 3299 2021-11-26 California      State      Epsilon         0        0.00
## 3300 2021-11-26 California      State        Alpha         0        0.00
## 3301 2021-11-27 California      State        Delta       740       99.73
## 3302 2021-11-27 California      State        Gamma         0        0.00
## 3303 2021-11-27 California      State      Omicron         1        0.13
## 3304 2021-11-27 California      State        Total       742      100.00
## 3305 2021-11-27 California      State        Alpha         0        0.00
## 3306 2021-11-27 California      State        Other         1        0.13
## 3307 2021-11-27 California      State      Epsilon         0        0.00
## 3308 2021-11-27 California      State           Mu         0        0.00
## 3309 2021-11-27 California      State         Beta         0        0.00
## 3310 2021-11-27 California      State       Lambda         0        0.00
## 3311 2021-11-28 California      State        Total       425      100.00
## 3312 2021-11-28 California      State        Delta       423       99.53
## 3313 2021-11-28 California      State        Gamma         0        0.00
## 3314 2021-11-28 California      State      Epsilon         0        0.00
## 3315 2021-11-28 California      State      Omicron         1        0.24
## 3316 2021-11-28 California      State        Alpha         0        0.00
## 3317 2021-11-28 California      State         Beta         0        0.00
## 3318 2021-11-28 California      State       Lambda         0        0.00
## 3319 2021-11-28 California      State        Other         1        0.24
## 3320 2021-11-28 California      State           Mu         0        0.00
## 3321 2021-11-29 California      State      Epsilon         0        0.00
## 3322 2021-11-29 California      State        Alpha         0        0.00
## 3323 2021-11-29 California      State        Other         2        0.12
## 3324 2021-11-29 California      State       Lambda         0        0.00
## 3325 2021-11-29 California      State      Omicron         6        0.35
## 3326 2021-11-29 California      State        Gamma         0        0.00
## 3327 2021-11-29 California      State        Total      1702      100.00
## 3328 2021-11-29 California      State         Beta         0        0.00
```

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## 3329 2021-11-29 California        State        Delta    1694     99.53
## 3330 2021-11-29 California        State           Mu       0      0.00
## 3331 2021-11-30 California        State      Epsilon       0      0.00
## 3332 2021-11-30 California        State        Other       6      0.33
## 3333 2021-11-30 California        State       Lambda       0      0.00
## 3334 2021-11-30 California        State         Beta       0      0.00
## 3335 2021-11-30 California        State        Gamma       0      0.00
## 3336 2021-11-30 California        State        Alpha       0      0.00
## 3337 2021-11-30 California        State           Mu       0      0.00
## 3338 2021-11-30 California        State        Total    1815    100.00
## 3339 2021-11-30 California        State      Omicron      12      0.66
## 3340 2021-11-30 California        State        Delta    1797     99.01
## 3341 2021-12-01 California        State        Gamma       0      0.00
## 3342 2021-12-01 California        State        Total    1677    100.00
## 3343 2021-12-01 California        State         Beta       0      0.00
## 3344 2021-12-01 California        State           Mu       0      0.00
## 3345 2021-12-01 California        State      Omicron       5      0.30
## 3346 2021-12-01 California        State        Delta    1669     99.52
## 3347 2021-12-01 California        State        Other       3      0.18
## 3348 2021-12-01 California        State        Alpha       0      0.00
## 3349 2021-12-01 California        State      Epsilon       0      0.00
## 3350 2021-12-01 California        State       Lambda       0      0.00
## 3351 2021-12-02 California        State        Total    1284    100.00
## 3352 2021-12-02 California        State        Gamma       0      0.00
## 3353 2021-12-02 California        State         Beta       0      0.00
## 3354 2021-12-02 California        State        Other       3      0.23
## 3355 2021-12-02 California        State       Lambda       0      0.00
## 3356 2021-12-02 California        State      Epsilon       0      0.00
## 3357 2021-12-02 California        State        Alpha       0      0.00
## 3358 2021-12-02 California        State      Omicron      12      0.93
## 3359 2021-12-02 California        State           Mu       0      0.00
## 3360 2021-12-02 California        State        Delta    1269     98.83
## 3361 2021-12-03 California        State        Total    1404    100.00
## 3362 2021-12-03 California        State        Other       1      0.07
## 3363 2021-12-03 California        State           Mu       0      0.00
## 3364 2021-12-03 California        State         Beta       0      0.00
## 3365 2021-12-03 California        State        Alpha       0      0.00
## 3366 2021-12-03 California        State      Omicron       8      0.57
## 3367 2021-12-03 California        State        Gamma       0      0.00
## 3368 2021-12-03 California        State        Delta    1395     99.36
## 3369 2021-12-03 California        State       Lambda       0      0.00
## 3370 2021-12-03 California        State      Epsilon       0      0.00
## 3371 2021-12-04 California        State        Alpha       0      0.00
## 3372 2021-12-04 California        State        Total     989    100.00
## 3373 2021-12-04 California        State         Beta       0      0.00
## 3374 2021-12-04 California        State      Omicron       5      0.51
## 3375 2021-12-04 California        State        Gamma       0      0.00
## 3376 2021-12-04 California        State           Mu       0      0.00
## 3377 2021-12-04 California        State       Lambda       0      0.00
## 3378 2021-12-04 California        State        Delta     983     99.39
## 3379 2021-12-04 California        State        Other       1      0.10
## 3380 2021-12-04 California        State      Epsilon       0      0.00
## 3381 2021-12-05 California        State      Omicron       4      0.69
## 3382 2021-12-05 California        State         Beta       0      0.00
```

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## 3383 2021-12-05 California          State           Total        579     100.00
## 3384 2021-12-05 California          State           Alpha          0       0.00
## 3385 2021-12-05 California          State           Other          0       0.00
## 3386 2021-12-05 California          State           Delta        575      99.31
## 3387 2021-12-05 California          State         Epsilon          0       0.00
## 3388 2021-12-05 California          State              Mu          0       0.00
## 3389 2021-12-05 California          State          Lambda          0       0.00
## 3390 2021-12-05 California          State           Gamma          0       0.00
## 3391 2021-12-06 California          State           Gamma          0       0.00
## 3392 2021-12-06 California          State         Omicron         19       0.99
## 3393 2021-12-06 California          State           Other          8       0.42
## 3394 2021-12-06 California          State              Mu          0       0.00
## 3395 2021-12-06 California          State          Lambda          0       0.00
## 3396 2021-12-06 California          State           Alpha          0       0.00
## 3397 2021-12-06 California          State           Total       1917     100.00
## 3398 2021-12-06 California          State         Epsilon          0       0.00
## 3399 2021-12-06 California          State           Delta       1890      98.59
## 3400 2021-12-06 California          State            Beta          0       0.00
## 3401 2021-12-07 California          State           Total       1860     100.00
## 3402 2021-12-07 California          State         Epsilon          0       0.00
## 3403 2021-12-07 California          State           Gamma          0       0.00
## 3404 2021-12-07 California          State              Mu          0       0.00
## 3405 2021-12-07 California          State           Delta       1823      98.01
## 3406 2021-12-07 California          State         Omicron         35       1.88
## 3407 2021-12-07 California          State            Beta          0       0.00
## 3408 2021-12-07 California          State           Other          2       0.11
## 3409 2021-12-07 California          State           Alpha          0       0.00
## 3410 2021-12-07 California          State          Lambda          0       0.00
## 3411 2021-12-08 California          State          Lambda          0       0.00
## 3412 2021-12-08 California          State           Delta       1586      95.77
## 3413 2021-12-08 California          State           Gamma          0       0.00
## 3414 2021-12-08 California          State              Mu          0       0.00
## 3415 2021-12-08 California          State         Omicron         69       4.17
## 3416 2021-12-08 California          State         Epsilon          0       0.00
## 3417 2021-12-08 California          State           Other          1       0.06
## 3418 2021-12-08 California          State            Beta          0       0.00
## 3419 2021-12-08 California          State           Total       1656     100.00
## 3420 2021-12-08 California          State           Alpha          0       0.00
## 3421 2021-12-09 California          State           Other          1       0.08
## 3422 2021-12-09 California          State           Total       1264     100.00
## 3423 2021-12-09 California          State           Delta       1204      95.25
## 3424 2021-12-09 California          State           Gamma          0       0.00
## 3425 2021-12-09 California          State         Omicron         59       4.67
## 3426 2021-12-09 California          State           Alpha          0       0.00
## 3427 2021-12-09 California          State            Beta          0       0.00
## 3428 2021-12-09 California          State              Mu          0       0.00
## 3429 2021-12-09 California          State         Epsilon          0       0.00
## 3430 2021-12-09 California          State          Lambda          0       0.00
## 3431 2021-12-10 California          State           Gamma          0       0.00
## 3432 2021-12-10 California          State           Alpha          0       0.00
## 3433 2021-12-10 California          State           Total       1439     100.00
## 3434 2021-12-10 California          State          Lambda          0       0.00
## 3435 2021-12-10 California          State            Beta          0       0.00
## 3436 2021-12-10 California          State         Epsilon          0       0.00
```

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## 3437 2021-12-10 California      State       Delta    1371     95.27
## 3438 2021-12-10 California      State      Omicron      68      4.73
## 3439 2021-12-10 California      State         Mu        0      0.00
## 3440 2021-12-10 California      State       Other        0      0.00
## 3441 2021-12-11 California      State        Beta        0      0.00
## 3442 2021-12-11 California      State       Total      926    100.00
## 3443 2021-12-11 California      State      Lambda        0      0.00
## 3444 2021-12-11 California      State       Delta     860     92.87
## 3445 2021-12-11 California      State       Alpha        0      0.00
## 3446 2021-12-11 California      State      Omicron      64      6.91
## 3447 2021-12-11 California      State       Other        2      0.22
## 3448 2021-12-11 California      State       Gamma        0      0.00
## 3449 2021-12-11 California      State      Epsilon       0      0.00
## 3450 2021-12-11 California      State         Mu        0      0.00
## 3451 2021-12-12 California      State         Mu        0      0.00
## 3452 2021-12-12 California      State      Epsilon       0      0.00
## 3453 2021-12-12 California      State       Other        1      0.17
## 3454 2021-12-12 California      State       Total      596    100.00
## 3455 2021-12-12 California      State       Alpha        0      0.00
## 3456 2021-12-12 California      State      Omicron      52      8.72
## 3457 2021-12-12 California      State        Beta        0      0.00
## 3458 2021-12-12 California      State      Lambda        0      0.00
## 3459 2021-12-12 California      State       Delta     543     91.11
## 3460 2021-12-12 California      State       Gamma        0      0.00
## 3461 2021-12-13 California      State       Other        1      0.05
## 3462 2021-12-13 California      State         Mu        0      0.00
## 3463 2021-12-13 California      State       Gamma        0      0.00
## 3464 2021-12-13 California      State       Delta    1778     85.89
## 3465 2021-12-13 California      State       Alpha        0      0.00
## 3466 2021-12-13 California      State       Total     2070    100.00
## 3467 2021-12-13 California      State      Lambda        0      0.00
## 3468 2021-12-13 California      State        Beta        0      0.00
## 3469 2021-12-13 California      State      Omicron     291     14.06
## 3470 2021-12-13 California      State      Epsilon       0      0.00
## 3471 2021-12-14 California      State         Mu        0      0.00
## 3472 2021-12-14 California      State        Beta        0      0.00
## 3473 2021-12-14 California      State      Lambda        0      0.00
## 3474 2021-12-14 California      State      Omicron     455     25.07
## 3475 2021-12-14 California      State      Epsilon       0      0.00
## 3476 2021-12-14 California      State       Delta    1353     74.55
## 3477 2021-12-14 California      State       Gamma        0      0.00
## 3478 2021-12-14 California      State       Other        7      0.39
## 3479 2021-12-14 California      State       Total     1815    100.00
## 3480 2021-12-14 California      State       Alpha        0      0.00
## 3481 2021-12-15 California      State      Epsilon       0      0.00
## 3482 2021-12-15 California      State        Beta        0      0.00
## 3483 2021-12-15 California      State       Alpha        0      0.00
## 3484 2021-12-15 California      State         Mu        0      0.00
## 3485 2021-12-15 California      State      Omicron     968     42.03
## 3486 2021-12-15 California      State       Gamma        0      0.00
## 3487 2021-12-15 California      State      Lambda        0      0.00
## 3488 2021-12-15 California      State       Total     2303    100.00
## 3489 2021-12-15 California      State       Other        5      0.22
## 3490 2021-12-15 California      State       Delta    1330     57.75
```

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## 3491 2021-12-16 California        State          Delta    1060     50.55
## 3492 2021-12-16 California        State         Lambda       0      0.00
## 3493 2021-12-16 California        State          Total    2097    100.00
## 3494 2021-12-16 California        State        Omicron    1035     49.36
## 3495 2021-12-16 California        State        Epsilon       0      0.00
## 3496 2021-12-16 California        State             Mu       0      0.00
## 3497 2021-12-16 California        State          Gamma       0      0.00
## 3498 2021-12-16 California        State          Alpha       0      0.00
## 3499 2021-12-16 California        State           Beta       0      0.00
## 3500 2021-12-16 California        State          Other       2      0.10
## 3501 2021-12-17 California        State             Mu       0      0.00
## 3502 2021-12-17 California        State        Omicron    1073     50.66
## 3503 2021-12-17 California        State        Epsilon       0      0.00
## 3504 2021-12-17 California        State           Beta       0      0.00
## 3505 2021-12-17 California        State          Total    2118    100.00
## 3506 2021-12-17 California        State          Gamma       0      0.00
## 3507 2021-12-17 California        State          Other       0      0.00
## 3508 2021-12-17 California        State         Lambda       0      0.00
## 3509 2021-12-17 California        State          Alpha       0      0.00
## 3510 2021-12-17 California        State          Delta    1045     49.34
## 3511 2021-12-18 California        State         Lambda       0      0.00
## 3512 2021-12-18 California        State          Other       3      0.17
## 3513 2021-12-18 California        State          Gamma       0      0.00
## 3514 2021-12-18 California        State          Delta     724     41.23
## 3515 2021-12-18 California        State             Mu       0      0.00
## 3516 2021-12-18 California        State        Epsilon       0      0.00
## 3517 2021-12-18 California        State        Omicron    1029     58.60
## 3518 2021-12-18 California        State          Total    1756    100.00
## 3519 2021-12-18 California        State          Alpha       0      0.00
## 3520 2021-12-18 California        State           Beta       0      0.00
## 3521 2021-12-19 California        State          Other       2      0.21
## 3522 2021-12-19 California        State        Epsilon       0      0.00
## 3523 2021-12-19 California        State          Alpha       0      0.00
## 3524 2021-12-19 California        State          Gamma       0      0.00
## 3525 2021-12-19 California        State          Delta     327     34.53
## 3526 2021-12-19 California        State           Beta       0      0.00
## 3527 2021-12-19 California        State         Lambda       0      0.00
## 3528 2021-12-19 California        State        Omicron     618     65.26
## 3529 2021-12-19 California        State             Mu       0      0.00
## 3530 2021-12-19 California        State          Total     947    100.00
## 3531 2021-12-20 California        State          Alpha       0      0.00
## 3532 2021-12-20 California        State          Total    2775    100.00
## 3533 2021-12-20 California        State          Other       1      0.04
## 3534 2021-12-20 California        State          Delta     800     28.83
## 3535 2021-12-20 California        State             Mu       0      0.00
## 3536 2021-12-20 California        State          Gamma       0      0.00
## 3537 2021-12-20 California        State           Beta       0      0.00
## 3538 2021-12-20 California        State         Lambda       0      0.00
## 3539 2021-12-20 California        State        Omicron    1974     71.14
## 3540 2021-12-20 California        State        Epsilon       0      0.00
## 3541 2021-12-21 California        State          Alpha       0      0.00
## 3542 2021-12-21 California        State          Other      17      0.38
## 3543 2021-12-21 California        State        Epsilon       0      0.00
## 3544 2021-12-21 California        State          Total    4494    100.00
```

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## 3545 2021-12-21 California      State      Lambda      0      0.00
## 3546 2021-12-21 California      State       Gamma      0      0.00
## 3547 2021-12-21 California      State          Mu      0      0.00
## 3548 2021-12-21 California      State     Omicron   3543     78.84
## 3549 2021-12-21 California      State        Beta      0      0.00
## 3550 2021-12-21 California      State       Delta    934     20.78
## 3551 2021-12-22 California      State     Epsilon      0      0.00
## 3552 2021-12-22 California      State       Other      7      0.12
## 3553 2021-12-22 California      State       Gamma      0      0.00
## 3554 2021-12-22 California      State     Omicron   4952     85.47
## 3555 2021-12-22 California      State       Alpha      0      0.00
## 3556 2021-12-22 California      State      Lambda      0      0.00
## 3557 2021-12-22 California      State       Total   5794    100.00
## 3558 2021-12-22 California      State          Mu      0      0.00
## 3559 2021-12-22 California      State        Beta      0      0.00
## 3560 2021-12-22 California      State       Delta    835     14.41
## 3561 2021-12-23 California      State     Epsilon      0      0.00
## 3562 2021-12-23 California      State      Lambda      0      0.00
## 3563 2021-12-23 California      State       Gamma      0      0.00
## 3564 2021-12-23 California      State       Delta    516     12.00
## 3565 2021-12-23 California      State       Total   4300    100.00
## 3566 2021-12-23 California      State       Alpha      0      0.00
## 3567 2021-12-23 California      State        Beta      0      0.00
## 3568 2021-12-23 California      State       Other     10      0.23
## 3569 2021-12-23 California      State          Mu      0      0.00
## 3570 2021-12-23 California      State     Omicron   3774     87.77
## 3571 2021-12-24 California      State          Mu      0      0.00
## 3572 2021-12-24 California      State       Gamma      0      0.00
## 3573 2021-12-24 California      State        Beta      0      0.00
## 3574 2021-12-24 California      State       Alpha      0      0.00
## 3575 2021-12-24 California      State       Total   1071    100.00
## 3576 2021-12-24 California      State      Lambda      0      0.00
## 3577 2021-12-24 California      State       Other      4      0.37
## 3578 2021-12-24 California      State     Omicron    904     84.41
## 3579 2021-12-24 California      State     Epsilon      0      0.00
## 3580 2021-12-24 California      State       Delta    163     15.22
## 3581 2021-12-25 California      State      Lambda      0      0.00
## 3582 2021-12-25 California      State       Total    360    100.00
## 3583 2021-12-25 California      State        Beta      0      0.00
## 3584 2021-12-25 California      State          Mu      0      0.00
## 3585 2021-12-25 California      State     Epsilon      0      0.00
## 3586 2021-12-25 California      State       Alpha      0      0.00
## 3587 2021-12-25 California      State       Gamma      0      0.00
## 3588 2021-12-25 California      State       Delta     52     14.44
## 3589 2021-12-25 California      State     Omicron    308     85.56
## 3590 2021-12-25 California      State       Other      0      0.00
## 3591 2021-12-26 California      State        Beta      0      0.00
## 3592 2021-12-26 California      State       Other      4      0.21
## 3593 2021-12-26 California      State       Delta    191      9.89
## 3594 2021-12-26 California      State     Omicron   1737     89.91
## 3595 2021-12-26 California      State       Alpha      0      0.00
## 3596 2021-12-26 California      State     Epsilon      0      0.00
## 3597 2021-12-26 California      State      Lambda      0      0.00
## 3598 2021-12-26 California      State       Total   1932    100.00
```

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## 3599 2021-12-26 California       State         Mu          0        0.00
## 3600 2021-12-26 California       State       Gamma          0        0.00
## 3601 2021-12-27 California       State       Total       4999      100.00
## 3602 2021-12-27 California       State       Alpha          0        0.00
## 3603 2021-12-27 California       State      Omicron      4547       90.96
## 3604 2021-12-27 California       State       Other         24        0.48
## 3605 2021-12-27 California       State       Gamma          0        0.00
## 3606 2021-12-27 California       State      Lambda          0        0.00
## 3607 2021-12-27 California       State     Epsilon          0        0.00
## 3608 2021-12-27 California       State        Beta          0        0.00
## 3609 2021-12-27 California       State       Delta        428        8.56
## 3610 2021-12-27 California       State          Mu          0        0.00
## 3611 2021-12-28 California       State       Total       2804      100.00
## 3612 2021-12-28 California       State       Gamma          0        0.00
## 3613 2021-12-28 California       State          Mu          0        0.00
## 3614 2021-12-28 California       State       Other         21        0.75
## 3615 2021-12-28 California       State     Epsilon          0        0.00
## 3616 2021-12-28 California       State       Delta        176        6.28
## 3617 2021-12-28 California       State      Omicron      2607       92.97
## 3618 2021-12-28 California       State        Beta          0        0.00
## 3619 2021-12-28 California       State       Alpha          0        0.00
## 3620 2021-12-28 California       State      Lambda          0        0.00
## 3621 2021-12-29 California       State       Alpha          0        0.00
## 3622 2021-12-29 California       State        Beta          0        0.00
## 3623 2021-12-29 California       State      Omicron      1891       91.93
## 3624 2021-12-29 California       State       Delta        134        6.51
## 3625 2021-12-29 California       State       Other         32        1.56
## 3626 2021-12-29 California       State      Lambda          0        0.00
## 3627 2021-12-29 California       State       Total       2057      100.00
## 3628 2021-12-29 California       State       Gamma          0        0.00
## 3629 2021-12-29 California       State          Mu          0        0.00
## 3630 2021-12-29 California       State     Epsilon          0        0.00
## 3631 2021-12-30 California       State       Total       2441      100.00
## 3632 2021-12-30 California       State       Other         17        0.70
## 3633 2021-12-30 California       State       Alpha          0        0.00
## 3634 2021-12-30 California       State      Lambda          0        0.00
## 3635 2021-12-30 California       State       Delta        116        4.75
## 3636 2021-12-30 California       State       Gamma          0        0.00
## 3637 2021-12-30 California       State      Omicron      2308       94.55
## 3638 2021-12-30 California       State     Epsilon          0        0.00
## 3639 2021-12-30 California       State          Mu          0        0.00
## 3640 2021-12-30 California       State        Beta          0        0.00
## 3641 2021-12-31 California       State       Total       1224      100.00
## 3642 2021-12-31 California       State          Mu          0        0.00
## 3643 2021-12-31 California       State       Delta         58        4.74
## 3644 2021-12-31 California       State       Other          1        0.08
## 3645 2021-12-31 California       State     Epsilon          0        0.00
## 3646 2021-12-31 California       State       Alpha          0        0.00
## 3647 2021-12-31 California       State      Omicron      1165       95.18
## 3648 2021-12-31 California       State        Beta          0        0.00
## 3649 2021-12-31 California       State      Lambda          0        0.00
## 3650 2021-12-31 California       State       Gamma          0        0.00
## 3651 2022-01-01 California       State       Alpha          0        0.00
## 3652 2022-01-01 California       State     Epsilon          0        0.00
```

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## 3653 2022-01-01 California     State       Delta      37       6.25
## 3654 2022-01-01 California     State       Other       3       0.51
## 3655 2022-01-01 California     State        Beta       0       0.00
## 3656 2022-01-01 California     State      Lambda       0       0.00
## 3657 2022-01-01 California     State     Omicron     552      93.24
## 3658 2022-01-01 California     State       Gamma       0       0.00
## 3659 2022-01-01 California     State       Total     592     100.00
## 3660 2022-01-01 California     State          Mu       0       0.00
## 3661 2022-01-02 California     State       Total    1479     100.00
## 3662 2022-01-02 California     State       Alpha       0       0.00
## 3663 2022-01-02 California     State     Epsilon       0       0.00
## 3664 2022-01-02 California     State       Other       3       0.20
## 3665 2022-01-02 California     State      Lambda       0       0.00
## 3666 2022-01-02 California     State       Gamma       0       0.00
## 3667 2022-01-02 California     State       Delta      33       2.23
## 3668 2022-01-02 California     State     Omicron    1443      97.57
## 3669 2022-01-02 California     State        Beta       0       0.00
## 3670 2022-01-02 California     State          Mu       0       0.00
## 3671 2022-01-03 California     State       Alpha       0       0.00
## 3672 2022-01-03 California     State       Other       7       0.18
## 3673 2022-01-03 California     State     Omicron    3679      96.44
## 3674 2022-01-03 California     State     Epsilon       0       0.00
## 3675 2022-01-03 California     State      Lambda       0       0.00
## 3676 2022-01-03 California     State          Mu       0       0.00
## 3677 2022-01-03 California     State       Gamma       0       0.00
## 3678 2022-01-03 California     State       Total    3815     100.00
## 3679 2022-01-03 California     State       Delta     129       3.38
## 3680 2022-01-03 California     State        Beta       0       0.00
## 3681 2022-01-04 California     State          Mu       0       0.00
## 3682 2022-01-04 California     State       Alpha       0       0.00
## 3683 2022-01-04 California     State        Beta       0       0.00
## 3684 2022-01-04 California     State     Epsilon       0       0.00
## 3685 2022-01-04 California     State       Other       2       0.06
## 3686 2022-01-04 California     State      Lambda       0       0.00
## 3687 2022-01-04 California     State     Omicron    3247      97.71
## 3688 2022-01-04 California     State       Delta      74       2.23
## 3689 2022-01-04 California     State       Total    3323     100.00
## 3690 2022-01-04 California     State       Gamma       0       0.00
## 3691 2022-01-05 California     State        Beta       0       0.00
## 3692 2022-01-05 California     State     Omicron    1215      96.12
## 3693 2022-01-05 California     State      Lambda       0       0.00
## 3694 2022-01-05 California     State       Delta      47       3.72
## 3695 2022-01-05 California     State       Other       2       0.16
## 3696 2022-01-05 California     State       Total    1264     100.00
## 3697 2022-01-05 California     State       Alpha       0       0.00
## 3698 2022-01-05 California     State     Epsilon       0       0.00
## 3699 2022-01-05 California     State       Gamma       0       0.00
## 3700 2022-01-05 California     State          Mu       0       0.00
## 3701 2022-01-06 California     State       Gamma       0       0.00
## 3702 2022-01-06 California     State      Lambda       0       0.00
## 3703 2022-01-06 California     State     Epsilon       0       0.00
## 3704 2022-01-06 California     State        Beta       0       0.00
## 3705 2022-01-06 California     State       Alpha       0       0.00
## 3706 2022-01-06 California     State     Omicron    1464      97.34
```

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## 3707 2022-01-06 California        State        Delta       38       2.53
## 3708 2022-01-06 California        State        Other        2       0.13
## 3709 2022-01-06 California        State        Total     1504     100.00
## 3710 2022-01-06 California        State           Mu        0       0.00
## 3711 2022-01-07 California        State        Gamma        0       0.00
## 3712 2022-01-07 California        State           Mu        0       0.00
## 3713 2022-01-07 California        State      Epsilon        0       0.00
## 3714 2022-01-07 California        State      Omicron     1581      97.77
## 3715 2022-01-07 California        State       Lambda        0       0.00
## 3716 2022-01-07 California        State        Total     1617     100.00
## 3717 2022-01-07 California        State        Delta       34       2.10
## 3718 2022-01-07 California        State        Other        2       0.12
## 3719 2022-01-07 California        State        Alpha        0       0.00
## 3720 2022-01-07 California        State         Beta        0       0.00
## 3721 2022-01-08 California        State       Lambda        0       0.00
## 3722 2022-01-08 California        State        Other        1       0.14
## 3723 2022-01-08 California        State        Delta       23       3.18
## 3724 2022-01-08 California        State           Mu        0       0.00
## 3725 2022-01-08 California        State        Total      723     100.00
## 3726 2022-01-08 California        State      Omicron      699      96.68
## 3727 2022-01-08 California        State      Epsilon        0       0.00
## 3728 2022-01-08 California        State        Alpha        0       0.00
## 3729 2022-01-08 California        State         Beta        0       0.00
## 3730 2022-01-08 California        State        Gamma        0       0.00
## 3731 2022-01-09 California        State         Beta        0       0.00
## 3732 2022-01-09 California        State        Total      649     100.00
## 3733 2022-01-09 California        State        Other        0       0.00
## 3734 2022-01-09 California        State       Lambda        0       0.00
## 3735 2022-01-09 California        State           Mu        0       0.00
## 3736 2022-01-09 California        State      Omicron      637      98.15
## 3737 2022-01-09 California        State        Delta       12       1.85
## 3738 2022-01-09 California        State        Alpha        0       0.00
## 3739 2022-01-09 California        State        Gamma        0       0.00
## 3740 2022-01-09 California        State      Epsilon        0       0.00
## 3741 2022-01-10 California        State        Gamma        0       0.00
## 3742 2022-01-10 California        State           Mu        0       0.00
## 3743 2022-01-10 California        State        Alpha        0       0.00
## 3744 2022-01-10 California        State       Lambda        0       0.00
## 3745 2022-01-10 California        State      Omicron     1462      98.12
## 3746 2022-01-10 California        State        Delta       25       1.68
## 3747 2022-01-10 California        State         Beta        0       0.00
## 3748 2022-01-10 California        State      Epsilon        0       0.00
## 3749 2022-01-10 California        State        Other        3       0.20
## 3750 2022-01-10 California        State        Total     1490     100.00
## 3751 2022-01-11 California        State      Omicron     1278      98.99
## 3752 2022-01-11 California        State        Gamma        0       0.00
## 3753 2022-01-11 California        State        Other        1       0.08
## 3754 2022-01-11 California        State      Epsilon        0       0.00
## 3755 2022-01-11 California        State        Delta       12       0.93
## 3756 2022-01-11 California        State        Total     1291     100.00
## 3757 2022-01-11 California        State         Beta        0       0.00
## 3758 2022-01-11 California        State           Mu        0       0.00
## 3759 2022-01-11 California        State        Alpha        0       0.00
## 3760 2022-01-11 California        State       Lambda        0       0.00
```

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## 3761 2022-01-12 California      State       Gamma      0      0.00
## 3762 2022-01-12 California      State     Epsilon      0      0.00
## 3763 2022-01-12 California      State     Omicron   1432     98.22
## 3764 2022-01-12 California      State       Delta     20      1.37
## 3765 2022-01-12 California      State       Total   1458    100.00
## 3766 2022-01-12 California      State        Beta      0      0.00
## 3767 2022-01-12 California      State       Other      6      0.41
## 3768 2022-01-12 California      State      Lambda      0      0.00
## 3769 2022-01-12 California      State          Mu      0      0.00
## 3770 2022-01-12 California      State       Alpha      0      0.00
## 3771 2022-01-13 California      State      Lambda      0      0.00
## 3772 2022-01-13 California      State     Epsilon      0      0.00
## 3773 2022-01-13 California      State       Alpha      0      0.00
## 3774 2022-01-13 California      State     Omicron   1185     98.59
## 3775 2022-01-13 California      State          Mu      0      0.00
## 3776 2022-01-13 California      State       Gamma      0      0.00
## 3777 2022-01-13 California      State        Beta      0      0.00
## 3778 2022-01-13 California      State       Other      2      0.17
## 3779 2022-01-13 California      State       Total   1202    100.00
## 3780 2022-01-13 California      State       Delta     15      1.25
## 3781 2022-01-14 California      State      Lambda      0      0.00
## 3782 2022-01-14 California      State       Delta     14      0.93
## 3783 2022-01-14 California      State       Gamma      0      0.00
## 3784 2022-01-14 California      State       Alpha      0      0.00
## 3785 2022-01-14 California      State       Other      1      0.07
## 3786 2022-01-14 California      State       Total   1512    100.00
## 3787 2022-01-14 California      State        Beta      0      0.00
## 3788 2022-01-14 California      State     Epsilon      0      0.00
## 3789 2022-01-14 California      State     Omicron   1497     99.01
## 3790 2022-01-14 California      State          Mu      0      0.00
## 3791 2022-01-15 California      State       Gamma      0      0.00
## 3792 2022-01-15 California      State       Other      1      0.08
## 3793 2022-01-15 California      State          Mu      0      0.00
## 3794 2022-01-15 California      State       Delta     14      1.08
## 3795 2022-01-15 California      State       Total   1292    100.00
## 3796 2022-01-15 California      State        Beta      0      0.00
## 3797 2022-01-15 California      State     Omicron   1277     98.84
## 3798 2022-01-15 California      State     Epsilon      0      0.00
## 3799 2022-01-15 California      State      Lambda      0      0.00
## 3800 2022-01-15 California      State       Alpha      0      0.00
## 3801 2022-01-16 California      State       Alpha      0      0.00
## 3802 2022-01-16 California      State     Epsilon      0      0.00
## 3803 2022-01-16 California      State       Total   1327    100.00
## 3804 2022-01-16 California      State        Beta      0      0.00
## 3805 2022-01-16 California      State       Gamma      0      0.00
## 3806 2022-01-16 California      State      Lambda      0      0.00
## 3807 2022-01-16 California      State       Other      0      0.00
## 3808 2022-01-16 California      State     Omicron   1320     99.47
## 3809 2022-01-16 California      State       Delta      7      0.53
## 3810 2022-01-16 California      State          Mu      0      0.00
## 3811 2022-01-17 California      State     Omicron   2539     99.14
## 3812 2022-01-17 California      State      Lambda      0      0.00
## 3813 2022-01-17 California      State       Gamma      0      0.00
## 3814 2022-01-17 California      State          Mu      0      0.00
```

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## 3815 2022-01-17 California        State        Delta      17        0.66
## 3816 2022-01-17 California        State        Alpha       0        0.00
## 3817 2022-01-17 California        State      Epsilon       0        0.00
## 3818 2022-01-17 California        State         Beta       0        0.00
## 3819 2022-01-17 California        State        Other       5        0.20
## 3820 2022-01-17 California        State        Total    2561      100.00
## 3821 2022-01-18 California        State        Alpha       0        0.00
## 3822 2022-01-18 California        State       Lambda       0        0.00
## 3823 2022-01-18 California        State        Gamma       0        0.00
## 3824 2022-01-18 California        State        Delta      15        0.78
## 3825 2022-01-18 California        State         Beta       0        0.00
## 3826 2022-01-18 California        State        Other       5        0.26
## 3827 2022-01-18 California        State      Epsilon       0        0.00
## 3828 2022-01-18 California        State           Mu       0        0.00
## 3829 2022-01-18 California        State        Total    1912      100.00
## 3830 2022-01-18 California        State      Omicron    1892       98.95
## 3831 2022-01-19 California        State         Beta       0        0.00
## 3832 2022-01-19 California        State           Mu       0        0.00
## 3833 2022-01-19 California        State        Total    1306      100.00
## 3834 2022-01-19 California        State      Omicron    1304       99.85
## 3835 2022-01-19 California        State      Epsilon       0        0.00
## 3836 2022-01-19 California        State        Other       0        0.00
## 3837 2022-01-19 California        State       Lambda       0        0.00
## 3838 2022-01-19 California        State        Alpha       0        0.00
## 3839 2022-01-19 California        State        Gamma       0        0.00
## 3840 2022-01-19 California        State        Delta       2        0.15
## 3841 2022-01-20 California        State        Gamma       0        0.00
## 3842 2022-01-20 California        State       Lambda       0        0.00
## 3843 2022-01-20 California        State        Delta      14        1.30
## 3844 2022-01-20 California        State           Mu       0        0.00
## 3845 2022-01-20 California        State         Beta       0        0.00
## 3846 2022-01-20 California        State        Alpha       0        0.00
## 3847 2022-01-20 California        State      Epsilon       0        0.00
## 3848 2022-01-20 California        State        Total    1081      100.00
## 3849 2022-01-20 California        State        Other       0        0.00
## 3850 2022-01-20 California        State      Omicron    1067       98.70
## 3851 2022-01-21 California        State        Delta       4        0.34
## 3852 2022-01-21 California        State        Gamma       0        0.00
## 3853 2022-01-21 California        State      Epsilon       0        0.00
## 3854 2022-01-21 California        State       Lambda       0        0.00
## 3855 2022-01-21 California        State         Beta       0        0.00
## 3856 2022-01-21 California        State        Total    1187      100.00
## 3857 2022-01-21 California        State        Other       3        0.25
## 3858 2022-01-21 California        State        Alpha       0        0.00
## 3859 2022-01-21 California        State           Mu       0        0.00
## 3860 2022-01-21 California        State      Omicron    1180       99.41
## 3861 2022-01-22 California        State        Delta       6        0.43
## 3862 2022-01-22 California        State        Gamma       0        0.00
## 3863 2022-01-22 California        State      Omicron    1394       99.57
## 3864 2022-01-22 California        State         Beta       0        0.00
## 3865 2022-01-22 California        State      Epsilon       0        0.00
## 3866 2022-01-22 California        State           Mu       0        0.00
## 3867 2022-01-22 California        State        Alpha       0        0.00
## 3868 2022-01-22 California        State        Other       0        0.00
```

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## 3869 2022-01-22 California      State        Total  1400   100.00
## 3870 2022-01-22 California      State       Lambda     0     0.00
## 3871 2022-01-23 California      State         Beta     0     0.00
## 3872 2022-01-23 California      State        Gamma     0     0.00
## 3873 2022-01-23 California      State       Lambda     0     0.00
## 3874 2022-01-23 California      State        Other     0     0.00
## 3875 2022-01-23 California      State        Alpha     0     0.00
## 3876 2022-01-23 California      State        Total   696   100.00
## 3877 2022-01-23 California      State      Epsilon     0     0.00
## 3878 2022-01-23 California      State           Mu     0     0.00
## 3879 2022-01-23 California      State      Omicron   693    99.57
## 3880 2022-01-23 California      State        Delta     3     0.43
## 3881 2022-01-24 California      State         Beta     0     0.00
## 3882 2022-01-24 California      State        Alpha     0     0.00
## 3883 2022-01-24 California      State           Mu     0     0.00
## 3884 2022-01-24 California      State        Total  1957   100.00
## 3885 2022-01-24 California      State        Delta     5     0.26
## 3886 2022-01-24 California      State      Epsilon     0     0.00
## 3887 2022-01-24 California      State        Gamma     1     0.05
## 3888 2022-01-24 California      State        Other     2     0.10
## 3889 2022-01-24 California      State      Omicron  1949    99.59
## 3890 2022-01-24 California      State       Lambda     0     0.00
## 3891 2022-01-25 California      State        Total  1758   100.00
## 3892 2022-01-25 California      State      Epsilon     0     0.00
## 3893 2022-01-25 California      State        Alpha     0     0.00
## 3894 2022-01-25 California      State       Lambda     0     0.00
## 3895 2022-01-25 California      State        Gamma     0     0.00
## 3896 2022-01-25 California      State           Mu     0     0.00
## 3897 2022-01-25 California      State        Delta     8     0.46
## 3898 2022-01-25 California      State      Omicron  1748    99.43
## 3899 2022-01-25 California      State        Other     2     0.11
## 3900 2022-01-25 California      State         Beta     0     0.00
## 3901 2022-01-26 California      State           Mu     0     0.00
## 3902 2022-01-26 California      State        Gamma     0     0.00
## 3903 2022-01-26 California      State       Lambda     0     0.00
## 3904 2022-01-26 California      State        Other     1     0.10
## 3905 2022-01-26 California      State         Beta     0     0.00
## 3906 2022-01-26 California      State      Omicron  1031    99.52
## 3907 2022-01-26 California      State        Delta     4     0.39
## 3908 2022-01-26 California      State      Epsilon     0     0.00
## 3909 2022-01-26 California      State        Alpha     0     0.00
## 3910 2022-01-26 California      State        Total  1036   100.00
## 3911 2022-01-27 California      State      Epsilon     0     0.00
## 3912 2022-01-27 California      State      Omicron  1228    99.68
## 3913 2022-01-27 California      State         Beta     0     0.00
## 3914 2022-01-27 California      State       Lambda     0     0.00
## 3915 2022-01-27 California      State        Delta     2     0.16
## 3916 2022-01-27 California      State           Mu     0     0.00
## 3917 2022-01-27 California      State        Alpha     0     0.00
## 3918 2022-01-27 California      State        Total  1232   100.00
## 3919 2022-01-27 California      State        Other     2     0.16
## 3920 2022-01-27 California      State        Gamma     0     0.00
## 3921 2022-01-28 California      State       Lambda     0     0.00
## 3922 2022-01-28 California      State      Omicron  1214    99.59
```

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## 3923 2022-01-28 California      State       Gamma      0      0.00
## 3924 2022-01-28 California      State        Beta      0      0.00
## 3925 2022-01-28 California      State       Delta      1      0.08
## 3926 2022-01-28 California      State       Alpha      0      0.00
## 3927 2022-01-28 California      State       Total   1219    100.00
## 3928 2022-01-28 California      State       Other      4      0.33
## 3929 2022-01-28 California      State     Epsilon      0      0.00
## 3930 2022-01-28 California      State          Mu      0      0.00
## 3931 2022-01-29 California      State     Omicron   2165     99.59
## 3932 2022-01-29 California      State          Mu      0      0.00
## 3933 2022-01-29 California      State        Beta      0      0.00
## 3934 2022-01-29 California      State       Alpha      0      0.00
## 3935 2022-01-29 California      State     Epsilon      0      0.00
## 3936 2022-01-29 California      State       Other      2      0.09
## 3937 2022-01-29 California      State       Total   2174    100.00
## 3938 2022-01-29 California      State       Delta      7      0.32
## 3939 2022-01-29 California      State      Lambda      0      0.00
## 3940 2022-01-29 California      State       Gamma      0      0.00
## 3941 2022-01-30 California      State     Epsilon      0      0.00
## 3942 2022-01-30 California      State     Omicron   1797     99.78
## 3943 2022-01-30 California      State      Lambda      0      0.00
## 3944 2022-01-30 California      State       Alpha      0      0.00
## 3945 2022-01-30 California      State       Delta      3      0.17
## 3946 2022-01-30 California      State       Other      1      0.06
## 3947 2022-01-30 California      State          Mu      0      0.00
## 3948 2022-01-30 California      State        Beta      0      0.00
## 3949 2022-01-30 California      State       Gamma      0      0.00
## 3950 2022-01-30 California      State       Total   1801    100.00
## 3951 2022-01-31 California      State       Total   4685    100.00
## 3952 2022-01-31 California      State       Alpha      0      0.00
## 3953 2022-01-31 California      State     Omicron   4680     99.89
## 3954 2022-01-31 California      State       Other      1      0.02
## 3955 2022-01-31 California      State          Mu      0      0.00
## 3956 2022-01-31 California      State     Epsilon      0      0.00
## 3957 2022-01-31 California      State      Lambda      0      0.00
## 3958 2022-01-31 California      State       Gamma      0      0.00
## 3959 2022-01-31 California      State       Delta      4      0.09
## 3960 2022-01-31 California      State        Beta      0      0.00
## 3961 2022-02-01 California      State       Total   4039    100.00
## 3962 2022-02-01 California      State       Other      3      0.07
## 3963 2022-02-01 California      State     Epsilon      0      0.00
## 3964 2022-02-01 California      State       Alpha      0      0.00
## 3965 2022-02-01 California      State       Gamma      0      0.00
## 3966 2022-02-01 California      State        Beta      0      0.00
## 3967 2022-02-01 California      State      Lambda      0      0.00
## 3968 2022-02-01 California      State       Delta      5      0.12
## 3969 2022-02-01 California      State     Omicron   4031     99.80
## 3970 2022-02-01 California      State          Mu      0      0.00
## 3971 2022-02-02 California      State       Alpha      0      0.00
## 3972 2022-02-02 California      State      Lambda      0      0.00
## 3973 2022-02-02 California      State       Other      2      0.06
## 3974 2022-02-02 California      State       Gamma      0      0.00
## 3975 2022-02-02 California      State       Delta      1      0.03
## 3976 2022-02-02 California      State          Mu      0      0.00
```

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## 3977 2022-02-02 California      State        Total   3340  100.00
## 3978 2022-02-02 California      State      Omicron   3337   99.91
## 3979 2022-02-02 California      State         Beta      0    0.00
## 3980 2022-02-02 California      State      Epsilon      0    0.00
## 3981 2022-02-03 California      State         Beta      0    0.00
## 3982 2022-02-03 California      State        Total   1521  100.00
## 3983 2022-02-03 California      State        Other      5    0.33
## 3984 2022-02-03 California      State      Epsilon      0    0.00
## 3985 2022-02-03 California      State        Delta      3    0.20
## 3986 2022-02-03 California      State        Gamma      0    0.00
## 3987 2022-02-03 California      State        Alpha      0    0.00
## 3988 2022-02-03 California      State           Mu      0    0.00
## 3989 2022-02-03 California      State       Lambda      0    0.00
## 3990 2022-02-03 California      State      Omicron   1513   99.47
## 3991 2022-02-04 California      State        Total   2010  100.00
## 3992 2022-02-04 California      State        Gamma      0    0.00
## 3993 2022-02-04 California      State        Alpha      0    0.00
## 3994 2022-02-04 California      State      Epsilon      0    0.00
## 3995 2022-02-04 California      State        Delta      2    0.10
## 3996 2022-02-04 California      State           Mu      0    0.00
## 3997 2022-02-04 California      State        Other      2    0.10
## 3998 2022-02-04 California      State      Omicron   2006   99.80
## 3999 2022-02-04 California      State         Beta      0    0.00
## 4000 2022-02-04 California      State       Lambda      0    0.00
## 4001 2022-02-05 California      State      Epsilon      0    0.00
## 4002 2022-02-05 California      State         Beta      0    0.00
## 4003 2022-02-05 California      State        Alpha      0    0.00
## 4004 2022-02-05 California      State        Other     10    0.84
## 4005 2022-02-05 California      State        Total   1187  100.00
## 4006 2022-02-05 California      State       Lambda      0    0.00
## 4007 2022-02-05 California      State        Delta      4    0.34
## 4008 2022-02-05 California      State        Gamma      0    0.00
## 4009 2022-02-05 California      State      Omicron   1173   98.82
## 4010 2022-02-05 California      State           Mu      0    0.00
## 4011 2022-02-06 California      State        Other      0    0.00
## 4012 2022-02-06 California      State        Total   1540  100.00
## 4013 2022-02-06 California      State        Gamma      0    0.00
## 4014 2022-02-06 California      State           Mu      0    0.00
## 4015 2022-02-06 California      State       Lambda      0    0.00
## 4016 2022-02-06 California      State      Omicron   1539   99.94
## 4017 2022-02-06 California      State      Epsilon      0    0.00
## 4018 2022-02-06 California      State        Alpha      0    0.00
## 4019 2022-02-06 California      State        Delta      1    0.06
## 4020 2022-02-06 California      State         Beta      0    0.00
## 4021 2022-02-07 California      State         Beta      0    0.00
## 4022 2022-02-07 California      State        Delta      4    0.10
## 4023 2022-02-07 California      State        Other      0    0.00
## 4024 2022-02-07 California      State      Epsilon      0    0.00
## 4025 2022-02-07 California      State        Gamma      0    0.00
## 4026 2022-02-07 California      State        Alpha      0    0.00
## 4027 2022-02-07 California      State       Lambda      0    0.00
## 4028 2022-02-07 California      State      Omicron   4047   99.90
## 4029 2022-02-07 California      State           Mu      0    0.00
## 4030 2022-02-07 California      State        Total   4051  100.00
```

```
## 4031 2022-02-08 California      State        Beta       0       0.00
## 4032 2022-02-08 California      State       Alpha       0       0.00
## 4033 2022-02-08 California      State       Delta       2       0.06
## 4034 2022-02-08 California      State       Other       0       0.00
## 4035 2022-02-08 California      State       Total    3480     100.00
## 4036 2022-02-08 California      State       Gamma       0       0.00
## 4037 2022-02-08 California      State          Mu       0       0.00
## 4038 2022-02-08 California      State     Omicron    3478      99.94
## 4039 2022-02-08 California      State      Lambda       0       0.00
## 4040 2022-02-08 California      State     Epsilon       0       0.00
## 4041 2022-02-09 California      State      Lambda       0       0.00
## 4042 2022-02-09 California      State     Omicron    3305      99.97
## 4043 2022-02-09 California      State          Mu       0       0.00
## 4044 2022-02-09 California      State       Gamma       0       0.00
## 4045 2022-02-09 California      State        Beta       0       0.00
## 4046 2022-02-09 California      State       Delta       0       0.00
## 4047 2022-02-09 California      State     Epsilon       0       0.00
## 4048 2022-02-09 California      State       Total    3306     100.00
## 4049 2022-02-09 California      State       Other       1       0.03
## 4050 2022-02-09 California      State       Alpha       0       0.00
## 4051 2022-02-10 California      State       Delta       2       0.07
## 4052 2022-02-10 California      State          Mu       0       0.00
## 4053 2022-02-10 California      State       Alpha       0       0.00
## 4054 2022-02-10 California      State       Total    2828     100.00
## 4055 2022-02-10 California      State        Beta       0       0.00
## 4056 2022-02-10 California      State      Lambda       0       0.00
## 4057 2022-02-10 California      State     Omicron    2826      99.93
## 4058 2022-02-10 California      State     Epsilon       0       0.00
## 4059 2022-02-10 California      State       Gamma       0       0.00
## 4060 2022-02-10 California      State       Other       0       0.00
## 4061 2022-02-11 California      State     Epsilon       0       0.00
## 4062 2022-02-11 California      State       Gamma       0       0.00
## 4063 2022-02-11 California      State       Alpha       0       0.00
## 4064 2022-02-11 California      State          Mu       0       0.00
## 4065 2022-02-11 California      State     Omicron    2618      99.96
## 4066 2022-02-11 California      State       Delta       0       0.00
## 4067 2022-02-11 California      State        Beta       0       0.00
## 4068 2022-02-11 California      State       Total    2619     100.00
## 4069 2022-02-11 California      State      Lambda       0       0.00
## 4070 2022-02-11 California      State       Other       1       0.04
## 4071 2022-02-12 California      State          Mu       0       0.00
## 4072 2022-02-12 California      State        Beta       0       0.00
## 4073 2022-02-12 California      State     Omicron    1681     100.00
## 4074 2022-02-12 California      State     Epsilon       0       0.00
## 4075 2022-02-12 California      State       Alpha       0       0.00
## 4076 2022-02-12 California      State       Other       0       0.00
## 4077 2022-02-12 California      State       Delta       0       0.00
## 4078 2022-02-12 California      State       Gamma       0       0.00
## 4079 2022-02-12 California      State      Lambda       0       0.00
## 4080 2022-02-12 California      State       Total    1681     100.00
## 4081 2022-02-13 California      State          Mu       0       0.00
## 4082 2022-02-13 California      State       Total    1030     100.00
## 4083 2022-02-13 California      State     Epsilon       0       0.00
## 4084 2022-02-13 California      State        Beta       0       0.00
```

```
## 4085 2022-02-13 California       State      Other        0        0.00
## 4086 2022-02-13 California       State      Gamma        0        0.00
## 4087 2022-02-13 California       State      Alpha        0        0.00
## 4088 2022-02-13 California       State      Delta        0        0.00
## 4089 2022-02-13 California       State    Omicron     1030      100.00
## 4090 2022-02-13 California       State     Lambda        0        0.00
## 4091 2022-02-14 California       State      Other        0        0.00
## 4092 2022-02-14 California       State      Delta        1        0.04
## 4093 2022-02-14 California       State      Total     2390      100.00
## 4094 2022-02-14 California       State      Alpha        0        0.00
## 4095 2022-02-14 California       State      Gamma        0        0.00
## 4096 2022-02-14 California       State    Omicron     2389       99.96
## 4097 2022-02-14 California       State       Beta        0        0.00
## 4098 2022-02-14 California       State    Epsilon        0        0.00
## 4099 2022-02-14 California       State     Lambda        0        0.00
## 4100 2022-02-14 California       State         Mu        0        0.00
## 4101 2022-02-15 California       State         Mu        0        0.00
## 4102 2022-02-15 California       State      Gamma        0        0.00
## 4103 2022-02-15 California       State       Beta        0        0.00
## 4104 2022-02-15 California       State      Total     1957      100.00
## 4105 2022-02-15 California       State    Omicron     1954       99.85
## 4106 2022-02-15 California       State      Other        1        0.05
## 4107 2022-02-15 California       State    Epsilon        0        0.00
## 4108 2022-02-15 California       State      Delta        2        0.10
## 4109 2022-02-15 California       State     Lambda        0        0.00
## 4110 2022-02-15 California       State      Alpha        0        0.00
## 4111 2022-02-16 California       State      Delta        0        0.00
## 4112 2022-02-16 California       State    Epsilon        0        0.00
## 4113 2022-02-16 California       State      Gamma        0        0.00
## 4114 2022-02-16 California       State       Beta        0        0.00
## 4115 2022-02-16 California       State      Other        2        0.12
## 4116 2022-02-16 California       State      Alpha        0        0.00
## 4117 2022-02-16 California       State      Total     1739      100.00
## 4118 2022-02-16 California       State    Omicron     1737       99.88
## 4119 2022-02-16 California       State         Mu        0        0.00
## 4120 2022-02-16 California       State     Lambda        0        0.00
## 4121 2022-02-17 California       State    Omicron     1512       99.87
## 4122 2022-02-17 California       State      Other        2        0.13
## 4123 2022-02-17 California       State      Total     1514      100.00
## 4124 2022-02-17 California       State      Delta        0        0.00
## 4125 2022-02-17 California       State      Gamma        0        0.00
## 4126 2022-02-17 California       State      Alpha        0        0.00
## 4127 2022-02-17 California       State    Epsilon        0        0.00
## 4128 2022-02-17 California       State         Mu        0        0.00
## 4129 2022-02-17 California       State       Beta        0        0.00
## 4130 2022-02-17 California       State     Lambda        0        0.00
## 4131 2022-02-18 California       State      Other        3        0.21
## 4132 2022-02-18 California       State      Gamma        0        0.00
## 4133 2022-02-18 California       State      Alpha        0        0.00
## 4134 2022-02-18 California       State     Lambda        0        0.00
## 4135 2022-02-18 California       State      Delta        0        0.00
## 4136 2022-02-18 California       State         Mu        0        0.00
## 4137 2022-02-18 California       State       Beta        0        0.00
## 4138 2022-02-18 California       State    Omicron     1425       99.79
```

```
## 4139 2022-02-18 California        State      Epsilon        0        0.00
## 4140 2022-02-18 California        State        Total     1428      100.00
## 4141 2022-02-19 California        State        Delta        0        0.00
## 4142 2022-02-19 California        State           Mu        0        0.00
## 4143 2022-02-19 California        State        Gamma        0        0.00
## 4144 2022-02-19 California        State       Lambda        0        0.00
## 4145 2022-02-19 California        State      Epsilon        0        0.00
## 4146 2022-02-19 California        State      Omicron      891      100.00
## 4147 2022-02-19 California        State         Beta        0        0.00
## 4148 2022-02-19 California        State        Other        0        0.00
## 4149 2022-02-19 California        State        Total      891      100.00
## 4150 2022-02-19 California        State        Alpha        0        0.00
## 4151 2022-02-20 California        State        Delta        0        0.00
## 4152 2022-02-20 California        State      Omicron      576      100.00
## 4153 2022-02-20 California        State       Lambda        0        0.00
## 4154 2022-02-20 California        State         Beta        0        0.00
## 4155 2022-02-20 California        State        Gamma        0        0.00
## 4156 2022-02-20 California        State           Mu        0        0.00
## 4157 2022-02-20 California        State      Epsilon        0        0.00
## 4158 2022-02-20 California        State        Total      576      100.00
## 4159 2022-02-20 California        State        Alpha        0        0.00
## 4160 2022-02-20 California        State        Other        0        0.00
## 4161 2022-02-21 California        State        Alpha        0        0.00
## 4162 2022-02-21 California        State      Omicron      703       99.72
## 4163 2022-02-21 California        State      Epsilon        0        0.00
## 4164 2022-02-21 California        State        Other        2        0.28
## 4165 2022-02-21 California        State           Mu        0        0.00
## 4166 2022-02-21 California        State         Beta        0        0.00
## 4167 2022-02-21 California        State       Lambda        0        0.00
## 4168 2022-02-21 California        State        Total      705      100.00
## 4169 2022-02-21 California        State        Gamma        0        0.00
## 4170 2022-02-21 California        State        Delta        0        0.00
## 4171 2022-02-22 California        State        Delta        1        0.06
## 4172 2022-02-22 California        State           Mu        0        0.00
## 4173 2022-02-22 California        State        Total     1579      100.00
## 4174 2022-02-22 California        State       Lambda        0        0.00
## 4175 2022-02-22 California        State        Other        4        0.25
## 4176 2022-02-22 California        State        Alpha        0        0.00
## 4177 2022-02-22 California        State         Beta        0        0.00
## 4178 2022-02-22 California        State        Gamma        0        0.00
## 4179 2022-02-22 California        State      Omicron     1574       99.68
## 4180 2022-02-22 California        State      Epsilon        0        0.00
## 4181 2022-02-23 California        State        Total     1005      100.00
## 4182 2022-02-23 California        State       Lambda        0        0.00
## 4183 2022-02-23 California        State           Mu        0        0.00
## 4184 2022-02-23 California        State        Gamma        0        0.00
## 4185 2022-02-23 California        State        Delta        0        0.00
## 4186 2022-02-23 California        State      Omicron      998       99.30
## 4187 2022-02-23 California        State         Beta        0        0.00
## 4188 2022-02-23 California        State      Epsilon        0        0.00
## 4189 2022-02-23 California        State        Alpha        0        0.00
## 4190 2022-02-23 California        State        Other        7        0.70
## 4191 2022-02-24 California        State        Other        1        0.13
## 4192 2022-02-24 California        State           Mu        0        0.00
```

```
## 4193 2022-02-24 California       State      Total        784    100.00
## 4194 2022-02-24 California       State    Omicron        782     99.74
## 4195 2022-02-24 California       State      Delta          1      0.13
## 4196 2022-02-24 California       State     Lambda          0      0.00
## 4197 2022-02-24 California       State    Epsilon          0      0.00
## 4198 2022-02-24 California       State      Gamma          0      0.00
## 4199 2022-02-24 California       State       Beta          0      0.00
## 4200 2022-02-24 California       State      Alpha          0      0.00
## 4201 2022-02-25 California       State      Gamma          0      0.00
## 4202 2022-02-25 California       State      Alpha          0      0.00
## 4203 2022-02-25 California       State      Other          4      0.59
## 4204 2022-02-25 California       State    Omicron        678     99.41
## 4205 2022-02-25 California       State         Mu          0      0.00
## 4206 2022-02-25 California       State      Delta          0      0.00
## 4207 2022-02-25 California       State     Lambda          0      0.00
## 4208 2022-02-25 California       State    Epsilon          0      0.00
## 4209 2022-02-25 California       State       Beta          0      0.00
## 4210 2022-02-25 California       State      Total        682    100.00
## 4211 2022-02-26 California       State    Epsilon          0      0.00
## 4212 2022-02-26 California       State         Mu          0      0.00
## 4213 2022-02-26 California       State     Lambda          0      0.00
## 4214 2022-02-26 California       State       Beta          0      0.00
## 4215 2022-02-26 California       State    Omicron        418     99.76
## 4216 2022-02-26 California       State      Delta          0      0.00
## 4217 2022-02-26 California       State      Alpha          0      0.00
## 4218 2022-02-26 California       State      Other          1      0.24
## 4219 2022-02-26 California       State      Gamma          0      0.00
## 4220 2022-02-26 California       State      Total        419    100.00
## 4221 2022-02-27 California       State    Omicron        279    100.00
## 4222 2022-02-27 California       State     Lambda          0      0.00
## 4223 2022-02-27 California       State      Total        279    100.00
## 4224 2022-02-27 California       State      Delta          0      0.00
## 4225 2022-02-27 California       State         Mu          0      0.00
## 4226 2022-02-27 California       State      Alpha          0      0.00
## 4227 2022-02-27 California       State       Beta          0      0.00
## 4228 2022-02-27 California       State      Other          0      0.00
## 4229 2022-02-27 California       State      Gamma          0      0.00
## 4230 2022-02-27 California       State    Epsilon          0      0.00
## 4231 2022-02-28 California       State      Gamma          0      0.00
## 4232 2022-02-28 California       State      Other          3      0.54
## 4233 2022-02-28 California       State         Mu          0      0.00
## 4234 2022-02-28 California       State      Alpha          0      0.00
## 4235 2022-02-28 California       State       Beta          0      0.00
## 4236 2022-02-28 California       State    Omicron        548     99.46
## 4237 2022-02-28 California       State      Delta          0      0.00
## 4238 2022-02-28 California       State    Epsilon          0      0.00
## 4239 2022-02-28 California       State     Lambda          0      0.00
## 4240 2022-02-28 California       State      Total        551    100.00
## 4241 2022-03-01 California       State      Other          3      0.55
## 4242 2022-03-01 California       State    Omicron        546     99.45
## 4243 2022-03-01 California       State      Total        549    100.00
## 4244 2022-03-01 California       State    Epsilon          0      0.00
## 4245 2022-03-01 California       State      Delta          0      0.00
## 4246 2022-03-01 California       State         Mu          0      0.00
```

```
## 4247 2022-03-01 California        State        Gamma        0        0.00
## 4248 2022-03-01 California        State        Alpha        0        0.00
## 4249 2022-03-01 California        State         Beta        0        0.00
## 4250 2022-03-01 California        State       Lambda        0        0.00
## 4251 2022-03-02 California        State         Beta        0        0.00
## 4252 2022-03-02 California        State      Epsilon        0        0.00
## 4253 2022-03-02 California        State        Other        4        0.72
## 4254 2022-03-02 California        State      Omicron      550       99.28
## 4255 2022-03-02 California        State        Total      554      100.00
## 4256 2022-03-02 California        State        Gamma        0        0.00
## 4257 2022-03-02 California        State        Alpha        0        0.00
## 4258 2022-03-02 California        State        Delta        0        0.00
## 4259 2022-03-02 California        State       Lambda        0        0.00
## 4260 2022-03-02 California        State           Mu        0        0.00
## 4261 2022-03-03 California        State        Other        3        0.65
## 4262 2022-03-03 California        State      Omicron      457       99.35
## 4263 2022-03-03 California        State       Lambda        0        0.00
## 4264 2022-03-03 California        State        Alpha        0        0.00
## 4265 2022-03-03 California        State         Beta        0        0.00
## 4266 2022-03-03 California        State      Epsilon        0        0.00
## 4267 2022-03-03 California        State        Gamma        0        0.00
## 4268 2022-03-03 California        State           Mu        0        0.00
## 4269 2022-03-03 California        State        Total      460      100.00
## 4270 2022-03-03 California        State        Delta        0        0.00
## 4271 2022-03-04 California        State       Lambda        0        0.00
## 4272 2022-03-04 California        State        Alpha        0        0.00
## 4273 2022-03-04 California        State        Delta        0        0.00
## 4274 2022-03-04 California        State         Beta        0        0.00
## 4275 2022-03-04 California        State        Total      470      100.00
## 4276 2022-03-04 California        State        Gamma        0        0.00
## 4277 2022-03-04 California        State      Epsilon        0        0.00
## 4278 2022-03-04 California        State        Other        1        0.21
## 4279 2022-03-04 California        State           Mu        0        0.00
## 4280 2022-03-04 California        State      Omicron      469       99.79
## 4281 2022-03-05 California        State         Beta        0        0.00
## 4282 2022-03-05 California        State       Lambda        0        0.00
## 4283 2022-03-05 California        State      Epsilon        0        0.00
## 4284 2022-03-05 California        State        Gamma        0        0.00
## 4285 2022-03-05 California        State        Alpha        0        0.00
## 4286 2022-03-05 California        State        Total      253      100.00
## 4287 2022-03-05 California        State           Mu        0        0.00
## 4288 2022-03-05 California        State        Other        1        0.40
## 4289 2022-03-05 California        State      Omicron      251       99.21
## 4290 2022-03-05 California        State        Delta        1        0.40
## 4291 2022-03-06 California        State      Epsilon        0        0.00
## 4292 2022-03-06 California        State        Alpha        0        0.00
## 4293 2022-03-06 California        State        Gamma        0        0.00
## 4294 2022-03-06 California        State           Mu        0        0.00
## 4295 2022-03-06 California        State         Beta        0        0.00
## 4296 2022-03-06 California        State        Other        0        0.00
## 4297 2022-03-06 California        State        Total      176      100.00
## 4298 2022-03-06 California        State       Lambda        0        0.00
## 4299 2022-03-06 California        State        Delta        0        0.00
## 4300 2022-03-06 California        State      Omicron      176      100.00
```

```
## 4301 2022-03-07 California      State      Alpha        0       0.00
## 4302 2022-03-07 California      State    Epsilon        0       0.00
## 4303 2022-03-07 California      State       Beta        0       0.00
## 4304 2022-03-07 California      State      Delta        0       0.00
## 4305 2022-03-07 California      State      Gamma        0       0.00
## 4306 2022-03-07 California      State         Mu        0       0.00
## 4307 2022-03-07 California      State    Omicron      335      99.70
## 4308 2022-03-07 California      State      Total      336     100.00
## 4309 2022-03-07 California      State      Other        1       0.30
## 4310 2022-03-07 California      State     Lambda        0       0.00
## 4311 2022-03-08 California      State    Epsilon        0       0.00
## 4312 2022-03-08 California      State      Total      458     100.00
## 4313 2022-03-08 California      State      Alpha        0       0.00
## 4314 2022-03-08 California      State    Omicron      457      99.78
## 4315 2022-03-08 California      State       Beta        0       0.00
## 4316 2022-03-08 California      State         Mu        0       0.00
## 4317 2022-03-08 California      State      Other        1       0.22
## 4318 2022-03-08 California      State      Delta        0       0.00
## 4319 2022-03-08 California      State      Gamma        0       0.00
## 4320 2022-03-08 California      State     Lambda        0       0.00
## 4321 2022-03-09 California      State     Lambda        0       0.00
## 4322 2022-03-09 California      State      Alpha        0       0.00
## 4323 2022-03-09 California      State      Total      450     100.00
## 4324 2022-03-09 California      State    Epsilon        0       0.00
## 4325 2022-03-09 California      State    Omicron      448      99.56
## 4326 2022-03-09 California      State      Gamma        0       0.00
## 4327 2022-03-09 California      State      Other        2       0.44
## 4328 2022-03-09 California      State       Beta        0       0.00
## 4329 2022-03-09 California      State      Delta        0       0.00
## 4330 2022-03-09 California      State         Mu        0       0.00
## 4331 2022-03-10 California      State     Lambda        0       0.00
## 4332 2022-03-10 California      State       Beta        0       0.00
## 4333 2022-03-10 California      State         Mu        0       0.00
## 4334 2022-03-10 California      State    Epsilon        0       0.00
## 4335 2022-03-10 California      State      Gamma        0       0.00
## 4336 2022-03-10 California      State      Other        2       0.52
## 4337 2022-03-10 California      State      Total      386     100.00
## 4338 2022-03-10 California      State      Alpha        0       0.00
## 4339 2022-03-10 California      State    Omicron      383      99.22
## 4340 2022-03-10 California      State      Delta        1       0.26
## 4341 2022-03-11 California      State       Beta        0       0.00
## 4342 2022-03-11 California      State      Delta        0       0.00
## 4343 2022-03-11 California      State    Omicron      368      99.73
## 4344 2022-03-11 California      State      Gamma        0       0.00
## 4345 2022-03-11 California      State    Epsilon        0       0.00
## 4346 2022-03-11 California      State      Alpha        0       0.00
## 4347 2022-03-11 California      State      Other        1       0.27
## 4348 2022-03-11 California      State         Mu        0       0.00
## 4349 2022-03-11 California      State     Lambda        0       0.00
## 4350 2022-03-11 California      State      Total      369     100.00
## 4351 2022-03-12 California      State    Omicron      209      99.52
## 4352 2022-03-12 California      State      Total      210     100.00
## 4353 2022-03-12 California      State      Gamma        0       0.00
## 4354 2022-03-12 California      State       Beta        0       0.00
```

```
## 4355 2022-03-12 California        State         Mu        0      0.00
## 4356 2022-03-12 California        State      Other        0      0.00
## 4357 2022-03-12 California        State      Delta        1      0.48
## 4358 2022-03-12 California        State     Lambda        0      0.00
## 4359 2022-03-12 California        State      Alpha        0      0.00
## 4360 2022-03-12 California        State    Epsilon        0      0.00
## 4361 2022-03-13 California        State      Delta        0      0.00
## 4362 2022-03-13 California        State     Lambda        0      0.00
## 4363 2022-03-13 California        State      Other        1      0.50
## 4364 2022-03-13 California        State    Epsilon        0      0.00
## 4365 2022-03-13 California        State      Total      199    100.00
## 4366 2022-03-13 California        State         Mu        0      0.00
## 4367 2022-03-13 California        State      Gamma        0      0.00
## 4368 2022-03-13 California        State    Omicron      198     99.50
## 4369 2022-03-13 California        State       Beta        0      0.00
## 4370 2022-03-13 California        State      Alpha        0      0.00
## 4371 2022-03-14 California        State      Delta        0      0.00
## 4372 2022-03-14 California        State    Omicron      363    100.00
## 4373 2022-03-14 California        State      Alpha        0      0.00
## 4374 2022-03-14 California        State         Mu        0      0.00
## 4375 2022-03-14 California        State     Lambda        0      0.00
## 4376 2022-03-14 California        State      Gamma        0      0.00
## 4377 2022-03-14 California        State      Total      363    100.00
## 4378 2022-03-14 California        State      Other        0      0.00
## 4379 2022-03-14 California        State       Beta        0      0.00
## 4380 2022-03-14 California        State    Epsilon        0      0.00
## 4381 2022-03-15 California        State      Gamma        0      0.00
## 4382 2022-03-15 California        State      Total      265    100.00
## 4383 2022-03-15 California        State         Mu        0      0.00
## 4384 2022-03-15 California        State    Omicron      264     99.62
## 4385 2022-03-15 California        State      Delta        1      0.38
## 4386 2022-03-15 California        State      Other        0      0.00
## 4387 2022-03-15 California        State      Alpha        0      0.00
## 4388 2022-03-15 California        State     Lambda        0      0.00
## 4389 2022-03-15 California        State       Beta        0      0.00
## 4390 2022-03-15 California        State    Epsilon        0      0.00
## 4391 2022-03-16 California        State      Delta        0      0.00
## 4392 2022-03-16 California        State      Total      292    100.00
## 4393 2022-03-16 California        State      Alpha        0      0.00
## 4394 2022-03-16 California        State    Omicron      292    100.00
## 4395 2022-03-16 California        State      Gamma        0      0.00
## 4396 2022-03-16 California        State    Epsilon        0      0.00
## 4397 2022-03-16 California        State     Lambda        0      0.00
## 4398 2022-03-16 California        State       Beta        0      0.00
## 4399 2022-03-16 California        State         Mu        0      0.00
## 4400 2022-03-16 California        State      Other        0      0.00
## 4401 2022-03-17 California        State    Omicron      295     99.66
## 4402 2022-03-17 California        State    Epsilon        0      0.00
## 4403 2022-03-17 California        State     Lambda        0      0.00
## 4404 2022-03-17 California        State       Beta        0      0.00
## 4405 2022-03-17 California        State         Mu        0      0.00
## 4406 2022-03-17 California        State      Alpha        0      0.00
## 4407 2022-03-17 California        State      Other        1      0.34
## 4408 2022-03-17 California        State      Delta        0      0.00
```

```
## 4409 2022-03-17 California      State      Gamma       0      0.00
## 4410 2022-03-17 California      State      Total     296    100.00
## 4411 2022-03-18 California      State    Omicron     325     99.69
## 4412 2022-03-18 California      State      Total     326    100.00
## 4413 2022-03-18 California      State         Mu       0      0.00
## 4414 2022-03-18 California      State     Lambda       0      0.00
## 4415 2022-03-18 California      State       Beta       0      0.00
## 4416 2022-03-18 California      State      Alpha       0      0.00
## 4417 2022-03-18 California      State      Gamma       0      0.00
## 4418 2022-03-18 California      State      Delta       0      0.00
## 4419 2022-03-18 California      State    Epsilon       0      0.00
## 4420 2022-03-18 California      State      Other       1      0.31
## 4421 2022-03-19 California      State      Gamma       0      0.00
## 4422 2022-03-19 California      State      Alpha       0      0.00
## 4423 2022-03-19 California      State      Other       1      0.40
## 4424 2022-03-19 California      State       Beta       0      0.00
## 4425 2022-03-19 California      State      Delta       0      0.00
## 4426 2022-03-19 California      State      Total     253    100.00
## 4427 2022-03-19 California      State     Lambda       0      0.00
## 4428 2022-03-19 California      State         Mu       0      0.00
## 4429 2022-03-19 California      State    Omicron     252     99.60
## 4430 2022-03-19 California      State    Epsilon       0      0.00
## 4431 2022-03-20 California      State      Alpha       0      0.00
## 4432 2022-03-20 California      State         Mu       0      0.00
## 4433 2022-03-20 California      State    Omicron     191     99.48
## 4434 2022-03-20 California      State      Total     192    100.00
## 4435 2022-03-20 California      State       Beta       0      0.00
## 4436 2022-03-20 California      State      Other       1      0.52
## 4437 2022-03-20 California      State     Lambda       0      0.00
## 4438 2022-03-20 California      State      Gamma       0      0.00
## 4439 2022-03-20 California      State    Epsilon       0      0.00
## 4440 2022-03-20 California      State      Delta       0      0.00
## 4441 2022-03-21 California      State       Beta       0      0.00
## 4442 2022-03-21 California      State     Lambda       0      0.00
## 4443 2022-03-21 California      State      Alpha       0      0.00
## 4444 2022-03-21 California      State    Epsilon       0      0.00
## 4445 2022-03-21 California      State      Total     452    100.00
## 4446 2022-03-21 California      State         Mu       0      0.00
## 4447 2022-03-21 California      State      Delta       0      0.00
## 4448 2022-03-21 California      State      Other       0      0.00
## 4449 2022-03-21 California      State    Omicron     452    100.00
## 4450 2022-03-21 California      State      Gamma       0      0.00
## 4451 2022-03-22 California      State    Omicron     420    100.00
## 4452 2022-03-22 California      State       Beta       0      0.00
## 4453 2022-03-22 California      State      Delta       0      0.00
## 4454 2022-03-22 California      State     Lambda       0      0.00
## 4455 2022-03-22 California      State      Alpha       0      0.00
## 4456 2022-03-22 California      State      Total     420    100.00
## 4457 2022-03-22 California      State    Epsilon       0      0.00
## 4458 2022-03-22 California      State      Gamma       0      0.00
## 4459 2022-03-22 California      State      Other       0      0.00
## 4460 2022-03-22 California      State         Mu       0      0.00
## 4461 2022-03-23 California      State    Epsilon       0      0.00
## 4462 2022-03-23 California      State      Total     279    100.00
```

```
## 4463 2022-03-23 California        State        Alpha        0        0.00
## 4464 2022-03-23 California        State          Mu        0        0.00
## 4465 2022-03-23 California        State        Gamma        0        0.00
## 4466 2022-03-23 California        State       Lambda        0        0.00
## 4467 2022-03-23 California        State        Other        0        0.00
## 4468 2022-03-23 California        State      Omicron      279      100.00
## 4469 2022-03-23 California        State        Delta        0        0.00
## 4470 2022-03-23 California        State         Beta        0        0.00
## 4471 2022-03-24 California        State        Delta        1        0.28
## 4472 2022-03-24 California        State        Gamma        0        0.00
## 4473 2022-03-24 California        State        Other        0        0.00
## 4474 2022-03-24 California        State        Alpha        0        0.00
## 4475 2022-03-24 California        State        Total      357      100.00
## 4476 2022-03-24 California        State         Beta        0        0.00
## 4477 2022-03-24 California        State      Omicron      356       99.72
## 4478 2022-03-24 California        State       Lambda        0        0.00
## 4479 2022-03-24 California        State      Epsilon        0        0.00
## 4480 2022-03-24 California        State          Mu        0        0.00
## 4481 2022-03-25 California        State          Mu        0        0.00
## 4482 2022-03-25 California        State        Alpha        0        0.00
## 4483 2022-03-25 California        State        Gamma        0        0.00
## 4484 2022-03-25 California        State         Beta        0        0.00
## 4485 2022-03-25 California        State      Omicron      287      100.00
## 4486 2022-03-25 California        State        Other        0        0.00
## 4487 2022-03-25 California        State       Lambda        0        0.00
## 4488 2022-03-25 California        State        Delta        0        0.00
## 4489 2022-03-25 California        State      Epsilon        0        0.00
## 4490 2022-03-25 California        State        Total      287      100.00
## 4491 2022-03-26 California        State        Delta        0        0.00
## 4492 2022-03-26 California        State          Mu        0        0.00
## 4493 2022-03-26 California        State        Alpha        0        0.00
## 4494 2022-03-26 California        State        Gamma        0        0.00
## 4495 2022-03-26 California        State      Epsilon        0        0.00
## 4496 2022-03-26 California        State       Lambda        0        0.00
## 4497 2022-03-26 California        State      Omicron      271      100.00
## 4498 2022-03-26 California        State        Other        0        0.00
## 4499 2022-03-26 California        State         Beta        0        0.00
## 4500 2022-03-26 California        State        Total      271      100.00
## 4501 2022-03-27 California        State        Other        0        0.00
## 4502 2022-03-27 California        State        Delta        0        0.00
## 4503 2022-03-27 California        State       Lambda        0        0.00
## 4504 2022-03-27 California        State      Epsilon        0        0.00
## 4505 2022-03-27 California        State        Gamma        0        0.00
## 4506 2022-03-27 California        State      Omicron      245      100.00
## 4507 2022-03-27 California        State        Total      245      100.00
## 4508 2022-03-27 California        State         Beta        0        0.00
## 4509 2022-03-27 California        State        Alpha        0        0.00
## 4510 2022-03-27 California        State          Mu        0        0.00
## 4511 2022-03-28 California        State        Total      439      100.00
## 4512 2022-03-28 California        State         Beta        0        0.00
## 4513 2022-03-28 California        State        Gamma        0        0.00
## 4514 2022-03-28 California        State      Omicron      438       99.77
## 4515 2022-03-28 California        State        Alpha        0        0.00
## 4516 2022-03-28 California        State        Delta        0        0.00
```

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## 4517 2022-03-28 California          State        Other           1       0.23
## 4518 2022-03-28 California          State          Mu           0       0.00
## 4519 2022-03-28 California          State       Lambda          0       0.00
## 4520 2022-03-28 California          State      Epsilon          0       0.00
## 4521 2022-03-29 California          State        Gamma          0       0.00
## 4522 2022-03-29 California          State        Total         421     100.00
## 4523 2022-03-29 California          State        Delta          1       0.24
## 4524 2022-03-29 California          State       Lambda          0       0.00
## 4525 2022-03-29 California          State      Epsilon          0       0.00
## 4526 2022-03-29 California          State        Other          1       0.24
## 4527 2022-03-29 California          State         Beta          0       0.00
## 4528 2022-03-29 California          State        Alpha          0       0.00
## 4529 2022-03-29 California          State          Mu           0       0.00
## 4530 2022-03-29 California          State       Omicron        419      99.52
## 4531 2022-03-30 California          State       Lambda          0       0.00
## 4532 2022-03-30 California          State          Mu           0       0.00
## 4533 2022-03-30 California          State      Epsilon          0       0.00
## 4534 2022-03-30 California          State         Beta          0       0.00
## 4535 2022-03-30 California          State        Total         407     100.00
## 4536 2022-03-30 California          State        Other          5       1.23
## 4537 2022-03-30 California          State       Omicron        402      98.77
## 4538 2022-03-30 California          State        Delta          0       0.00
## 4539 2022-03-30 California          State        Gamma          0       0.00
## 4540 2022-03-30 California          State        Alpha          0       0.00
## 4541 2022-03-31 California          State        Delta          0       0.00
## 4542 2022-03-31 California          State        Alpha          0       0.00
## 4543 2022-03-31 California          State        Other          2       0.73
## 4544 2022-03-31 California          State        Total         274     100.00
## 4545 2022-03-31 California          State         Beta          0       0.00
## 4546 2022-03-31 California          State          Mu           0       0.00
## 4547 2022-03-31 California          State      Epsilon          0       0.00
## 4548 2022-03-31 California          State        Gamma          0       0.00
## 4549 2022-03-31 California          State       Omicron        272      99.27
## 4550 2022-03-31 California          State       Lambda          0       0.00
## 4551 2022-04-01 California          State        Delta          0       0.00
## 4552 2022-04-01 California          State         Beta          0       0.00
## 4553 2022-04-01 California          State      Epsilon          0       0.00
## 4554 2022-04-01 California          State       Lambda          0       0.00
## 4555 2022-04-01 California          State        Alpha          0       0.00
## 4556 2022-04-01 California          State        Other          7       1.89
## 4557 2022-04-01 California          State       Omicron        362      97.57
## 4558 2022-04-01 California          State          Mu           0       0.00
## 4559 2022-04-01 California          State        Total         371     100.00
## 4560 2022-04-01 California          State        Gamma          2       0.54
## 4561 2022-04-02 California          State        Gamma          0       0.00
## 4562 2022-04-02 California          State       Lambda          0       0.00
## 4563 2022-04-02 California          State       Omicron        249      96.14
## 4564 2022-04-02 California          State      Epsilon          0       0.00
## 4565 2022-04-02 California          State         Beta          0       0.00
## 4566 2022-04-02 California          State        Delta          0       0.00
## 4567 2022-04-02 California          State        Other         10       3.86
## 4568 2022-04-02 California          State        Alpha          0       0.00
## 4569 2022-04-02 California          State          Mu           0       0.00
## 4570 2022-04-02 California          State        Total         259     100.00
```

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## 4571 2022-04-03 California        State      Omicron       254       97.69
## 4572 2022-04-03 California        State        Delta         0        0.00
## 4573 2022-04-03 California        State           Mu         0        0.00
## 4574 2022-04-03 California        State       Lambda         0        0.00
## 4575 2022-04-03 California        State         Beta         0        0.00
## 4576 2022-04-03 California        State      Epsilon         0        0.00
## 4577 2022-04-03 California        State        Other         6        2.31
## 4578 2022-04-03 California        State        Total       260      100.00
## 4579 2022-04-03 California        State        Gamma         0        0.00
## 4580 2022-04-03 California        State        Alpha         0        0.00
## 4581 2022-04-04 California        State       Lambda         0        0.00
## 4582 2022-04-04 California        State      Omicron       609       99.19
## 4583 2022-04-04 California        State        Delta         1        0.16
## 4584 2022-04-04 California        State        Total       614      100.00
## 4585 2022-04-04 California        State           Mu         0        0.00
## 4586 2022-04-04 California        State        Other         4        0.65
## 4587 2022-04-04 California        State        Alpha         0        0.00
## 4588 2022-04-04 California        State      Epsilon         0        0.00
## 4589 2022-04-04 California        State         Beta         0        0.00
## 4590 2022-04-04 California        State        Gamma         0        0.00
## 4591 2022-04-05 California        State        Delta         0        0.00
## 4592 2022-04-05 California        State           Mu         0        0.00
## 4593 2022-04-05 California        State       Lambda         0        0.00
## 4594 2022-04-05 California        State      Omicron       525       99.62
## 4595 2022-04-05 California        State      Epsilon         0        0.00
## 4596 2022-04-05 California        State        Other         2        0.38
## 4597 2022-04-05 California        State         Beta         0        0.00
## 4598 2022-04-05 California        State        Alpha         0        0.00
## 4599 2022-04-05 California        State        Total       527      100.00
## 4600 2022-04-05 California        State        Gamma         0        0.00
## 4601 2022-04-06 California        State        Gamma         0        0.00
## 4602 2022-04-06 California        State      Epsilon         0        0.00
## 4603 2022-04-06 California        State      Omicron       583      100.00
## 4604 2022-04-06 California        State           Mu         0        0.00
## 4605 2022-04-06 California        State         Beta         0        0.00
## 4606 2022-04-06 California        State       Lambda         0        0.00
## 4607 2022-04-06 California        State        Alpha         0        0.00
## 4608 2022-04-06 California        State        Total       583      100.00
## 4609 2022-04-06 California        State        Other         0        0.00
## 4610 2022-04-06 California        State        Delta         0        0.00
## 4611 2022-04-07 California        State        Other         2        0.36
## 4612 2022-04-07 California        State        Delta         0        0.00
## 4613 2022-04-07 California        State        Alpha         0        0.00
## 4614 2022-04-07 California        State      Omicron       547       99.64
## 4615 2022-04-07 California        State         Beta         0        0.00
## 4616 2022-04-07 California        State           Mu         0        0.00
## 4617 2022-04-07 California        State      Epsilon         0        0.00
## 4618 2022-04-07 California        State       Lambda         0        0.00
## 4619 2022-04-07 California        State        Gamma         0        0.00
## 4620 2022-04-07 California        State        Total       549      100.00
## 4621 2022-04-08 California        State      Epsilon         0        0.00
## 4622 2022-04-08 California        State        Alpha         0        0.00
## 4623 2022-04-08 California        State        Delta         0        0.00
## 4624 2022-04-08 California        State        Other         2        0.38
```

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## 4625 2022-04-08 California      State        Beta      0      0.00
## 4626 2022-04-08 California      State     Omicron    518     99.62
## 4627 2022-04-08 California      State       Gamma      0      0.00
## 4628 2022-04-08 California      State       Total    520    100.00
## 4629 2022-04-08 California      State          Mu      0      0.00
## 4630 2022-04-08 California      State      Lambda      0      0.00
## 4631 2022-04-09 California      State     Epsilon      0      0.00
## 4632 2022-04-09 California      State          Mu      0      0.00
## 4633 2022-04-09 California      State       Other      1      0.31
## 4634 2022-04-09 California      State      Lambda      0      0.00
## 4635 2022-04-09 California      State     Omicron    321     99.69
## 4636 2022-04-09 California      State       Alpha      0      0.00
## 4637 2022-04-09 California      State       Total    322    100.00
## 4638 2022-04-09 California      State        Beta      0      0.00
## 4639 2022-04-09 California      State       Delta      0      0.00
## 4640 2022-04-09 California      State       Gamma      0      0.00
## 4641 2022-04-10 California      State       Total    376    100.00
## 4642 2022-04-10 California      State       Delta      0      0.00
## 4643 2022-04-10 California      State     Epsilon      0      0.00
## 4644 2022-04-10 California      State          Mu      0      0.00
## 4645 2022-04-10 California      State       Gamma      0      0.00
## 4646 2022-04-10 California      State       Alpha      0      0.00
## 4647 2022-04-10 California      State       Other      0      0.00
## 4648 2022-04-10 California      State        Beta      0      0.00
## 4649 2022-04-10 California      State      Lambda      0      0.00
## 4650 2022-04-10 California      State     Omicron    376    100.00
## 4651 2022-04-11 California      State        Beta      0      0.00
## 4652 2022-04-11 California      State       Alpha      0      0.00
## 4653 2022-04-11 California      State          Mu      0      0.00
## 4654 2022-04-11 California      State     Omicron    712     99.58
## 4655 2022-04-11 California      State     Epsilon      0      0.00
## 4656 2022-04-11 California      State       Gamma      0      0.00
## 4657 2022-04-11 California      State       Other      3      0.42
## 4658 2022-04-11 California      State       Total    715    100.00
## 4659 2022-04-11 California      State      Lambda      0      0.00
## 4660 2022-04-11 California      State       Delta      0      0.00
## 4661 2022-04-12 California      State       Delta      0      0.00
## 4662 2022-04-12 California      State       Alpha      0      0.00
## 4663 2022-04-12 California      State       Gamma      0      0.00
## 4664 2022-04-12 California      State        Beta      0      0.00
## 4665 2022-04-12 California      State     Epsilon      0      0.00
## 4666 2022-04-12 California      State     Omicron    565     99.30
## 4667 2022-04-12 California      State       Other      4      0.70
## 4668 2022-04-12 California      State      Lambda      0      0.00
## 4669 2022-04-12 California      State       Total    569    100.00
## 4670 2022-04-12 California      State          Mu      0      0.00
## 4671 2022-04-13 California      State       Other      3      0.56
## 4672 2022-04-13 California      State          Mu      0      0.00
## 4673 2022-04-13 California      State     Epsilon      0      0.00
## 4674 2022-04-13 California      State       Alpha      0      0.00
## 4675 2022-04-13 California      State      Lambda      0      0.00
## 4676 2022-04-13 California      State       Total    540    100.00
## 4677 2022-04-13 California      State       Delta      0      0.00
## 4678 2022-04-13 California      State        Beta      0      0.00
```

```
## 4679 2022-04-13 California      State      Gamma       0      0.00
## 4680 2022-04-13 California      State      Omicron   537     99.44
## 4681 2022-04-14 California      State      Epsilon     0      0.00
## 4682 2022-04-14 California      State      Delta       0      0.00
## 4683 2022-04-14 California      State      Lambda      0      0.00
## 4684 2022-04-14 California      State      Gamma       0      0.00
## 4685 2022-04-14 California      State      Beta        0      0.00
## 4686 2022-04-14 California      State      Alpha       0      0.00
## 4687 2022-04-14 California      State      Total     511    100.00
## 4688 2022-04-14 California      State      Mu          0      0.00
## 4689 2022-04-14 California      State      Omicron   509     99.61
## 4690 2022-04-14 California      State      Other       2      0.39
## 4691 2022-04-15 California      State      Other       2      0.36
## 4692 2022-04-15 California      State      Mu          0      0.00
## 4693 2022-04-15 California      State      Epsilon     0      0.00
## 4694 2022-04-15 California      State      Omicron   547     99.64
## 4695 2022-04-15 California      State      Delta       0      0.00
## 4696 2022-04-15 California      State      Total     549    100.00
## 4697 2022-04-15 California      State      Alpha       0      0.00
## 4698 2022-04-15 California      State      Beta        0      0.00
## 4699 2022-04-15 California      State      Gamma       0      0.00
## 4700 2022-04-15 California      State      Lambda      0      0.00
## 4701 2022-04-16 California      State      Total     301    100.00
## 4702 2022-04-16 California      State      Beta        0      0.00
## 4703 2022-04-16 California      State      Omicron   300     99.67
## 4704 2022-04-16 California      State      Gamma       0      0.00
## 4705 2022-04-16 California      State      Alpha       0      0.00
## 4706 2022-04-16 California      State      Delta       0      0.00
## 4707 2022-04-16 California      State      Mu          0      0.00
## 4708 2022-04-16 California      State      Epsilon     0      0.00
## 4709 2022-04-16 California      State      Lambda      0      0.00
## 4710 2022-04-16 California      State      Other       1      0.33
## 4711 2022-04-17 California      State      Omicron   152     99.35
## 4712 2022-04-17 California      State      Alpha       0      0.00
## 4713 2022-04-17 California      State      Other       1      0.65
## 4714 2022-04-17 California      State      Mu          0      0.00
## 4715 2022-04-17 California      State      Epsilon     0      0.00
## 4716 2022-04-17 California      State      Beta        0      0.00
## 4717 2022-04-17 California      State      Gamma       0      0.00
## 4718 2022-04-17 California      State      Lambda      0      0.00
## 4719 2022-04-17 California      State      Total     153    100.00
## 4720 2022-04-17 California      State      Delta       0      0.00
## 4721 2022-04-18 California      State      Omicron   710     99.72
## 4722 2022-04-18 California      State      Lambda      0      0.00
## 4723 2022-04-18 California      State      Epsilon     0      0.00
## 4724 2022-04-18 California      State      Delta       0      0.00
## 4725 2022-04-18 California      State      Total     712    100.00
## 4726 2022-04-18 California      State      Other       2      0.28
## 4727 2022-04-18 California      State      Beta        0      0.00
## 4728 2022-04-18 California      State      Alpha       0      0.00
## 4729 2022-04-18 California      State      Mu          0      0.00
## 4730 2022-04-18 California      State      Gamma       0      0.00
## 4731 2022-04-19 California      State      Mu          0      0.00
## 4732 2022-04-19 California      State      Gamma       0      0.00
```

```
## 4733 2022-04-19 California      State        Total     599    100.00
## 4734 2022-04-19 California      State       Lambda       0      0.00
## 4735 2022-04-19 California      State         Beta       0      0.00
## 4736 2022-04-19 California      State      Omicron     594     99.17
## 4737 2022-04-19 California      State        Other       5      0.83
## 4738 2022-04-19 California      State        Alpha       0      0.00
## 4739 2022-04-19 California      State        Delta       0      0.00
## 4740 2022-04-19 California      State      Epsilon       0      0.00
## 4741 2022-04-20 California      State      Omicron     576     99.65
## 4742 2022-04-20 California      State       Lambda       0      0.00
## 4743 2022-04-20 California      State        Other       2      0.35
## 4744 2022-04-20 California      State        Gamma       0      0.00
## 4745 2022-04-20 California      State        Total     578    100.00
## 4746 2022-04-20 California      State        Alpha       0      0.00
## 4747 2022-04-20 California      State         Beta       0      0.00
## 4748 2022-04-20 California      State      Epsilon       0      0.00
## 4749 2022-04-20 California      State        Delta       0      0.00
## 4750 2022-04-20 California      State           Mu       0      0.00
## 4751 2022-04-21 California      State        Delta       0      0.00
## 4752 2022-04-21 California      State      Epsilon       0      0.00
## 4753 2022-04-21 California      State        Alpha       0      0.00
## 4754 2022-04-21 California      State      Omicron     457     99.78
## 4755 2022-04-21 California      State        Other       1      0.22
## 4756 2022-04-21 California      State       Lambda       0      0.00
## 4757 2022-04-21 California      State        Total     458    100.00
## 4758 2022-04-21 California      State           Mu       0      0.00
## 4759 2022-04-21 California      State        Gamma       0      0.00
## 4760 2022-04-21 California      State         Beta       0      0.00
## 4761 2022-04-22 California      State        Other       5      0.91
## 4762 2022-04-22 California      State       Lambda       0      0.00
## 4763 2022-04-22 California      State           Mu       0      0.00
## 4764 2022-04-22 California      State      Epsilon       0      0.00
## 4765 2022-04-22 California      State         Beta       0      0.00
## 4766 2022-04-22 California      State        Gamma       0      0.00
## 4767 2022-04-22 California      State      Omicron     543     99.09
## 4768 2022-04-22 California      State        Delta       0      0.00
## 4769 2022-04-22 California      State        Total     548    100.00
## 4770 2022-04-22 California      State        Alpha       0      0.00
## 4771 2022-04-23 California      State        Other       2      0.48
## 4772 2022-04-23 California      State      Epsilon       0      0.00
## 4773 2022-04-23 California      State      Omicron     417     99.52
## 4774 2022-04-23 California      State       Lambda       0      0.00
## 4775 2022-04-23 California      State        Alpha       0      0.00
## 4776 2022-04-23 California      State        Gamma       0      0.00
## 4777 2022-04-23 California      State         Beta       0      0.00
## 4778 2022-04-23 California      State           Mu       0      0.00
## 4779 2022-04-23 California      State        Total     419    100.00
## 4780 2022-04-23 California      State        Delta       0      0.00
## 4781 2022-04-24 California      State        Other       1      0.28
## 4782 2022-04-24 California      State        Delta       0      0.00
## 4783 2022-04-24 California      State        Alpha       0      0.00
## 4784 2022-04-24 California      State      Omicron     358     99.72
## 4785 2022-04-24 California      State        Total     359    100.00
## 4786 2022-04-24 California      State        Gamma       0      0.00
```

```
## 4787 2022-04-24 California         State         Beta         0      0.00
## 4788 2022-04-24 California         State       Lambda         0      0.00
## 4789 2022-04-24 California         State      Epsilon         0      0.00
## 4790 2022-04-24 California         State           Mu         0      0.00
## 4791 2022-04-25 California         State       Lambda         0      0.00
## 4792 2022-04-25 California         State        Total       807    100.00
## 4793 2022-04-25 California         State      Epsilon         0      0.00
## 4794 2022-04-25 California         State        Delta         0      0.00
## 4795 2022-04-25 California         State        Gamma         0      0.00
## 4796 2022-04-25 California         State         Beta         0      0.00
## 4797 2022-04-25 California         State      Omicron       804     99.63
## 4798 2022-04-25 California         State        Other         3      0.37
## 4799 2022-04-25 California         State        Alpha         0      0.00
## 4800 2022-04-25 California         State           Mu         0      0.00
## 4801 2022-04-26 California         State        Total       571    100.00
## 4802 2022-04-26 California         State        Other         2      0.35
## 4803 2022-04-26 California         State      Omicron       569     99.65
## 4804 2022-04-26 California         State        Gamma         0      0.00
## 4805 2022-04-26 California         State           Mu         0      0.00
## 4806 2022-04-26 California         State         Beta         0      0.00
## 4807 2022-04-26 California         State        Delta         0      0.00
## 4808 2022-04-26 California         State       Lambda         0      0.00
## 4809 2022-04-26 California         State        Alpha         0      0.00
## 4810 2022-04-26 California         State      Epsilon         0      0.00
## 4811 2022-04-27 California         State        Alpha         0      0.00
## 4812 2022-04-27 California         State        Total       497    100.00
## 4813 2022-04-27 California         State        Gamma         0      0.00
## 4814 2022-04-27 California         State      Omicron       490     98.59
## 4815 2022-04-27 California         State      Epsilon         0      0.00
## 4816 2022-04-27 California         State        Delta         0      0.00
## 4817 2022-04-27 California         State       Lambda         0      0.00
## 4818 2022-04-27 California         State         Beta         0      0.00
## 4819 2022-04-27 California         State           Mu         0      0.00
## 4820 2022-04-27 California         State        Other         7      1.41
## 4821 2022-04-28 California         State        Alpha         0      0.00
## 4822 2022-04-28 California         State       Lambda         0      0.00
## 4823 2022-04-28 California         State        Gamma         0      0.00
## 4824 2022-04-28 California         State      Epsilon         0      0.00
## 4825 2022-04-28 California         State      Omicron       442     96.93
## 4826 2022-04-28 California         State        Total       456    100.00
## 4827 2022-04-28 California         State        Delta         0      0.00
## 4828 2022-04-28 California         State         Beta         0      0.00
## 4829 2022-04-28 California         State           Mu         0      0.00
## 4830 2022-04-28 California         State        Other        14      3.07
## 4831 2022-04-29 California         State        Gamma         0      0.00
## 4832 2022-04-29 California         State        Delta         0      0.00
## 4833 2022-04-29 California         State      Omicron       424     96.15
## 4834 2022-04-29 California         State           Mu         0      0.00
## 4835 2022-04-29 California         State        Other        17      3.85
## 4836 2022-04-29 California         State         Beta         0      0.00
## 4837 2022-04-29 California         State        Total       441    100.00
## 4838 2022-04-29 California         State       Lambda         0      0.00
## 4839 2022-04-29 California         State      Epsilon         0      0.00
## 4840 2022-04-29 California         State        Alpha         0      0.00
```

```
## 4841 2022-04-30 California       State      Total        447    100.00
## 4842 2022-04-30 California       State      Lambda         0      0.00
## 4843 2022-04-30 California       State      Epsilon        0      0.00
## 4844 2022-04-30 California       State      Other         15      3.36
## 4845 2022-04-30 California       State      Omicron      432     96.64
## 4846 2022-04-30 California       State      Gamma          0      0.00
## 4847 2022-04-30 California       State      Beta           0      0.00
## 4848 2022-04-30 California       State      Alpha          0      0.00
## 4849 2022-04-30 California       State      Mu             0      0.00
## 4850 2022-04-30 California       State      Delta          0      0.00
## 4851 2022-05-01 California       State      Epsilon        0      0.00
## 4852 2022-05-01 California       State      Mu             0      0.00
## 4853 2022-05-01 California       State      Other          7      1.57
## 4854 2022-05-01 California       State      Alpha          0      0.00
## 4855 2022-05-01 California       State      Omicron      440     98.43
## 4856 2022-05-01 California       State      Beta           0      0.00
## 4857 2022-05-01 California       State      Gamma          0      0.00
## 4858 2022-05-01 California       State      Lambda         0      0.00
## 4859 2022-05-01 California       State      Delta          0      0.00
## 4860 2022-05-01 California       State      Total        447    100.00
## 4861 2022-05-02 California       State      Beta           0      0.00
## 4862 2022-05-02 California       State      Lambda         0      0.00
## 4863 2022-05-02 California       State      Other         23      2.38
## 4864 2022-05-02 California       State      Total        968    100.00
## 4865 2022-05-02 California       State      Alpha          0      0.00
## 4866 2022-05-02 California       State      Mu             0      0.00
## 4867 2022-05-02 California       State      Omicron      945     97.62
## 4868 2022-05-02 California       State      Epsilon        0      0.00
## 4869 2022-05-02 California       State      Delta          0      0.00
## 4870 2022-05-02 California       State      Gamma          0      0.00
## 4871 2022-05-03 California       State      Mu             0      0.00
## 4872 2022-05-03 California       State      Epsilon        0      0.00
## 4873 2022-05-03 California       State      Omicron      832     96.74
## 4874 2022-05-03 California       State      Alpha          0      0.00
## 4875 2022-05-03 California       State      Lambda         0      0.00
## 4876 2022-05-03 California       State      Total        860    100.00
## 4877 2022-05-03 California       State      Gamma          0      0.00
## 4878 2022-05-03 California       State      Delta          0      0.00
## 4879 2022-05-03 California       State      Other         28      3.26
## 4880 2022-05-03 California       State      Beta           0      0.00
## 4881 2022-05-04 California       State      Omicron      836     97.89
## 4882 2022-05-04 California       State      Lambda         0      0.00
## 4883 2022-05-04 California       State      Delta          0      0.00
## 4884 2022-05-04 California       State      Total        854    100.00
## 4885 2022-05-04 California       State      Alpha          0      0.00
## 4886 2022-05-04 California       State      Gamma          0      0.00
## 4887 2022-05-04 California       State      Mu             0      0.00
## 4888 2022-05-04 California       State      Beta           0      0.00
## 4889 2022-05-04 California       State      Other         18      2.11
## 4890 2022-05-04 California       State      Epsilon        0      0.00
## 4891 2022-05-05 California       State      Beta           0      0.00
## 4892 2022-05-05 California       State      Epsilon        0      0.00
## 4893 2022-05-05 California       State      Mu             0      0.00
## 4894 2022-05-05 California       State      Other         19      2.38
```

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## 4895 2022-05-05 California       State        Gamma        0       0.00
## 4896 2022-05-05 California       State        Alpha        0       0.00
## 4897 2022-05-05 California       State      Omicron      779      97.62
## 4898 2022-05-05 California       State        Total      798     100.00
## 4899 2022-05-05 California       State       Lambda        0       0.00
## 4900 2022-05-05 California       State        Delta        0       0.00
## 4901 2022-05-06 California       State        Gamma        0       0.00
## 4902 2022-05-06 California       State       Lambda        0       0.00
## 4903 2022-05-06 California       State         Beta        0       0.00
## 4904 2022-05-06 California       State           Mu        0       0.00
## 4905 2022-05-06 California       State        Other       16       2.34
## 4906 2022-05-06 California       State        Alpha        0       0.00
## 4907 2022-05-06 California       State        Total      684     100.00
## 4908 2022-05-06 California       State        Delta        0       0.00
## 4909 2022-05-06 California       State      Omicron      668      97.66
## 4910 2022-05-06 California       State      Epsilon        0       0.00
## 4911 2022-05-07 California       State        Total      464     100.00
## 4912 2022-05-07 California       State      Omicron      453      97.63
## 4913 2022-05-07 California       State           Mu        0       0.00
## 4914 2022-05-07 California       State       Lambda        0       0.00
## 4915 2022-05-07 California       State        Other       11       2.37
## 4916 2022-05-07 California       State      Epsilon        0       0.00
## 4917 2022-05-07 California       State         Beta        0       0.00
## 4918 2022-05-07 California       State        Gamma        0       0.00
## 4919 2022-05-07 California       State        Alpha        0       0.00
## 4920 2022-05-07 California       State        Delta        0       0.00
## 4921 2022-05-08 California       State       Lambda        0       0.00
## 4922 2022-05-08 California       State        Gamma        0       0.00
## 4923 2022-05-08 California       State        Other       12       2.80
## 4924 2022-05-08 California       State      Epsilon        0       0.00
## 4925 2022-05-08 California       State        Delta        0       0.00
## 4926 2022-05-08 California       State        Total      428     100.00
## 4927 2022-05-08 California       State           Mu        0       0.00
## 4928 2022-05-08 California       State         Beta        0       0.00
## 4929 2022-05-08 California       State      Omicron      416      97.20
## 4930 2022-05-08 California       State        Alpha        0       0.00
## 4931 2022-05-09 California       State        Total      988     100.00
## 4932 2022-05-09 California       State           Mu        0       0.00
## 4933 2022-05-09 California       State         Beta        0       0.00
## 4934 2022-05-09 California       State      Omicron      960      97.17
## 4935 2022-05-09 California       State      Epsilon        0       0.00
## 4936 2022-05-09 California       State        Other       28       2.83
## 4937 2022-05-09 California       State        Alpha        0       0.00
## 4938 2022-05-09 California       State       Lambda        0       0.00
## 4939 2022-05-09 California       State        Gamma        0       0.00
## 4940 2022-05-09 California       State        Delta        0       0.00
## 4941 2022-05-10 California       State        Other       24       3.08
## 4942 2022-05-10 California       State         Beta        0       0.00
## 4943 2022-05-10 California       State        Delta        0       0.00
## 4944 2022-05-10 California       State       Lambda        0       0.00
## 4945 2022-05-10 California       State      Omicron      756      96.92
## 4946 2022-05-10 California       State      Epsilon        0       0.00
## 4947 2022-05-10 California       State        Alpha        0       0.00
## 4948 2022-05-10 California       State        Total      780     100.00
```

```
## 4949 2022-05-10 California        State         Mu         0       0.00
## 4950 2022-05-10 California        State      Gamma         0       0.00
## 4951 2022-05-11 California        State     Lambda         0       0.00
## 4952 2022-05-11 California        State    Omicron       811      98.07
## 4953 2022-05-11 California        State      Gamma         0       0.00
## 4954 2022-05-11 California        State    Epsilon         0       0.00
## 4955 2022-05-11 California        State      Total       827     100.00
## 4956 2022-05-11 California        State      Alpha         0       0.00
## 4957 2022-05-11 California        State      Delta         0       0.00
## 4958 2022-05-11 California        State         Mu         0       0.00
## 4959 2022-05-11 California        State       Beta         0       0.00
## 4960 2022-05-11 California        State      Other        16       1.93
## 4961 2022-05-12 California        State     Lambda         0       0.00
## 4962 2022-05-12 California        State    Epsilon         0       0.00
## 4963 2022-05-12 California        State         Mu         0       0.00
## 4964 2022-05-12 California        State    Omicron       756      97.55
## 4965 2022-05-12 California        State      Delta         0       0.00
## 4966 2022-05-12 California        State      Other        19       2.45
## 4967 2022-05-12 California        State      Total       775     100.00
## 4968 2022-05-12 California        State      Gamma         0       0.00
## 4969 2022-05-12 California        State      Alpha         0       0.00
## 4970 2022-05-12 California        State       Beta         0       0.00
## 4971 2022-05-13 California        State     Lambda         0       0.00
## 4972 2022-05-13 California        State       Beta         0       0.00
## 4973 2022-05-13 California        State      Alpha         0       0.00
## 4974 2022-05-13 California        State      Other        17       2.69
## 4975 2022-05-13 California        State      Gamma         0       0.00
## 4976 2022-05-13 California        State      Total       632     100.00
## 4977 2022-05-13 California        State    Epsilon         0       0.00
## 4978 2022-05-13 California        State         Mu         0       0.00
## 4979 2022-05-13 California        State    Omicron       615      97.31
## 4980 2022-05-13 California        State      Delta         0       0.00
## 4981 2022-05-14 California        State       Beta         0       0.00
## 4982 2022-05-14 California        State         Mu         0       0.00
## 4983 2022-05-14 California        State      Delta         0       0.00
## 4984 2022-05-14 California        State      Alpha         0       0.00
## 4985 2022-05-14 California        State    Omicron       536      96.75
## 4986 2022-05-14 California        State      Other        18       3.25
## 4987 2022-05-14 California        State    Epsilon         0       0.00
## 4988 2022-05-14 California        State     Lambda         0       0.00
## 4989 2022-05-14 California        State      Total       554     100.00
## 4990 2022-05-14 California        State      Gamma         0       0.00
## 4991 2022-05-15 California        State    Epsilon         0       0.00
## 4992 2022-05-15 California        State      Gamma         0       0.00
## 4993 2022-05-15 California        State         Mu         0       0.00
## 4994 2022-05-15 California        State      Alpha         0       0.00
## 4995 2022-05-15 California        State      Total       487     100.00
## 4996 2022-05-15 California        State      Other        16       3.29
## 4997 2022-05-15 California        State       Beta         0       0.00
## 4998 2022-05-15 California        State     Lambda         0       0.00
## 4999 2022-05-15 California        State    Omicron       471      96.71
## 5000 2022-05-15 California        State      Delta         0       0.00
## 5001 2022-05-16 California        State         Mu         0       0.00
## 5002 2022-05-16 California        State     Lambda         0       0.00
```

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## 5003 2022-05-16 California       State          Delta        0      0.00
## 5004 2022-05-16 California       State          Total     1082    100.00
## 5005 2022-05-16 California       State          Gamma        0      0.00
## 5006 2022-05-16 California       State          Alpha        0      0.00
## 5007 2022-05-16 California       State          Other       39      3.60
## 5008 2022-05-16 California       State        Epsilon        0      0.00
## 5009 2022-05-16 California       State        Omicron     1043     96.40
## 5010 2022-05-16 California       State           Beta        0      0.00
## 5011 2022-05-17 California       State         Lambda        0      0.00
## 5012 2022-05-17 California       State        Epsilon        0      0.00
## 5013 2022-05-17 California       State          Total      960    100.00
## 5014 2022-05-17 California       State           Beta        0      0.00
## 5015 2022-05-17 California       State        Omicron      934     97.29
## 5016 2022-05-17 California       State          Gamma        0      0.00
## 5017 2022-05-17 California       State          Delta        0      0.00
## 5018 2022-05-17 California       State             Mu        0      0.00
## 5019 2022-05-17 California       State          Other       26      2.71
## 5020 2022-05-17 California       State          Alpha        0      0.00
## 5021 2022-05-18 California       State          Other       20      2.43
## 5022 2022-05-18 California       State         Lambda        0      0.00
## 5023 2022-05-18 California       State             Mu        0      0.00
## 5024 2022-05-18 California       State           Beta        0      0.00
## 5025 2022-05-18 California       State          Gamma        0      0.00
## 5026 2022-05-18 California       State          Total      824    100.00
## 5027 2022-05-18 California       State          Delta        0      0.00
## 5028 2022-05-18 California       State          Alpha        0      0.00
## 5029 2022-05-18 California       State        Omicron      804     97.57
## 5030 2022-05-18 California       State        Epsilon        0      0.00
## 5031 2022-05-19 California       State          Gamma        0      0.00
## 5032 2022-05-19 California       State        Epsilon        0      0.00
## 5033 2022-05-19 California       State          Delta        0      0.00
## 5034 2022-05-19 California       State          Other       31      4.12
## 5035 2022-05-19 California       State          Total      752    100.00
## 5036 2022-05-19 California       State        Omicron      721     95.88
## 5037 2022-05-19 California       State          Alpha        0      0.00
## 5038 2022-05-19 California       State             Mu        0      0.00
## 5039 2022-05-19 California       State         Lambda        0      0.00
## 5040 2022-05-19 California       State           Beta        0      0.00
## 5041 2022-05-20 California       State         Lambda        0      0.00
## 5042 2022-05-20 California       State          Delta        0      0.00
## 5043 2022-05-20 California       State          Other       26      3.04
## 5044 2022-05-20 California       State          Alpha        0      0.00
## 5045 2022-05-20 California       State        Epsilon        0      0.00
## 5046 2022-05-20 California       State          Gamma        0      0.00
## 5047 2022-05-20 California       State          Total      854    100.00
## 5048 2022-05-20 California       State             Mu        0      0.00
## 5049 2022-05-20 California       State        Omicron      828     96.96
## 5050 2022-05-20 California       State           Beta        0      0.00
## 5051 2022-05-21 California       State         Lambda        0      0.00
## 5052 2022-05-21 California       State          Total      682    100.00
## 5053 2022-05-21 California       State        Omicron      667     97.80
## 5054 2022-05-21 California       State          Gamma        0      0.00
## 5055 2022-05-21 California       State          Delta        0      0.00
## 5056 2022-05-21 California       State           Beta        0      0.00
```

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## 5057 2022-05-21 California       State       Other       15       2.20
## 5058 2022-05-21 California       State     Epsilon        0       0.00
## 5059 2022-05-21 California       State       Alpha        0       0.00
## 5060 2022-05-21 California       State          Mu        0       0.00
## 5061 2022-05-22 California       State      Lambda        0       0.00
## 5062 2022-05-22 California       State       Other       19       2.59
## 5063 2022-05-22 California       State        Beta        0       0.00
## 5064 2022-05-22 California       State          Mu        0       0.00
## 5065 2022-05-22 California       State     Epsilon        0       0.00
## 5066 2022-05-22 California       State       Alpha        0       0.00
## 5067 2022-05-22 California       State       Delta        0       0.00
## 5068 2022-05-22 California       State       Gamma        0       0.00
## 5069 2022-05-22 California       State       Total      734     100.00
## 5070 2022-05-22 California       State     Omicron      715      97.41
## 5071 2022-05-23 California       State          Mu        0       0.00
## 5072 2022-05-23 California       State       Gamma        0       0.00
## 5073 2022-05-23 California       State     Omicron     1099      95.82
## 5074 2022-05-23 California       State       Total     1147     100.00
## 5075 2022-05-23 California       State       Delta        0       0.00
## 5076 2022-05-23 California       State     Epsilon        0       0.00
## 5077 2022-05-23 California       State       Other       48       4.18
## 5078 2022-05-23 California       State       Alpha        0       0.00
## 5079 2022-05-23 California       State      Lambda        0       0.00
## 5080 2022-05-23 California       State        Beta        0       0.00
## 5081 2022-05-24 California       State     Omicron     1168      98.82
## 5082 2022-05-24 California       State      Lambda        0       0.00
## 5083 2022-05-24 California       State          Mu        0       0.00
## 5084 2022-05-24 California       State       Delta        0       0.00
## 5085 2022-05-24 California       State     Epsilon        0       0.00
## 5086 2022-05-24 California       State       Other       14       1.18
## 5087 2022-05-24 California       State       Gamma        0       0.00
## 5088 2022-05-24 California       State       Total     1182     100.00
## 5089 2022-05-24 California       State       Alpha        0       0.00
## 5090 2022-05-24 California       State        Beta        0       0.00
## 5091 2022-05-25 California       State        Beta        0       0.00
## 5092 2022-05-25 California       State     Epsilon        0       0.00
## 5093 2022-05-25 California       State       Other        8       0.83
## 5094 2022-05-25 California       State       Alpha        0       0.00
## 5095 2022-05-25 California       State       Total      963     100.00
## 5096 2022-05-25 California       State       Delta        0       0.00
## 5097 2022-05-25 California       State       Gamma        0       0.00
## 5098 2022-05-25 California       State          Mu        0       0.00
## 5099 2022-05-25 California       State      Lambda        0       0.00
## 5100 2022-05-25 California       State     Omicron      955      99.17
## 5101 2022-05-26 California       State     Epsilon        0       0.00
## 5102 2022-05-26 California       State     Omicron      922      99.78
## 5103 2022-05-26 California       State       Other        2       0.22
## 5104 2022-05-26 California       State       Alpha        0       0.00
## 5105 2022-05-26 California       State       Delta        0       0.00
## 5106 2022-05-26 California       State        Beta        0       0.00
## 5107 2022-05-26 California       State       Gamma        0       0.00
## 5108 2022-05-26 California       State      Lambda        0       0.00
## 5109 2022-05-26 California       State          Mu        0       0.00
## 5110 2022-05-26 California       State       Total      924     100.00
```

```
## 5111 2022-05-27 California      State        Total   1000   100.00
## 5112 2022-05-27 California      State        Delta      0     0.00
## 5113 2022-05-27 California      State        Other      3     0.30
## 5114 2022-05-27 California      State         Beta      0     0.00
## 5115 2022-05-27 California      State       Lambda      0     0.00
## 5116 2022-05-27 California      State      Omicron    997    99.70
## 5117 2022-05-27 California      State           Mu      0     0.00
## 5118 2022-05-27 California      State        Gamma      0     0.00
## 5119 2022-05-27 California      State        Alpha      0     0.00
## 5120 2022-05-27 California      State      Epsilon      0     0.00
## 5121 2022-05-28 California      State        Total    469   100.00
## 5122 2022-05-28 California      State        Gamma      0     0.00
## 5123 2022-05-28 California      State           Mu      0     0.00
## 5124 2022-05-28 California      State        Alpha      0     0.00
## 5125 2022-05-28 California      State        Delta      0     0.00
## 5126 2022-05-28 California      State         Beta      0     0.00
## 5127 2022-05-28 California      State        Other      3     0.64
## 5128 2022-05-28 California      State       Lambda      0     0.00
## 5129 2022-05-28 California      State      Omicron    466    99.36
## 5130 2022-05-28 California      State      Epsilon      0     0.00
## 5131 2022-05-29 California      State      Omicron    585    99.83
## 5132 2022-05-29 California      State        Other      1     0.17
## 5133 2022-05-29 California      State       Lambda      0     0.00
## 5134 2022-05-29 California      State        Gamma      0     0.00
## 5135 2022-05-29 California      State        Total    586   100.00
## 5136 2022-05-29 California      State           Mu      0     0.00
## 5137 2022-05-29 California      State        Delta      0     0.00
## 5138 2022-05-29 California      State      Epsilon      0     0.00
## 5139 2022-05-29 California      State        Alpha      0     0.00
## 5140 2022-05-29 California      State         Beta      0     0.00
## 5141 2022-05-30 California      State        Other      1     0.31
## 5142 2022-05-30 California      State      Omicron    326    99.69
## 5143 2022-05-30 California      State       Lambda      0     0.00
## 5144 2022-05-30 California      State         Beta      0     0.00
## 5145 2022-05-30 California      State        Gamma      0     0.00
## 5146 2022-05-30 California      State        Alpha      0     0.00
## 5147 2022-05-30 California      State      Epsilon      0     0.00
## 5148 2022-05-30 California      State        Total    327   100.00
## 5149 2022-05-30 California      State           Mu      0     0.00
## 5150 2022-05-30 California      State        Delta      0     0.00
## 5151 2022-05-31 California      State       Lambda      0     0.00
## 5152 2022-05-31 California      State        Other     15     1.12
## 5153 2022-05-31 California      State         Beta      0     0.00
## 5154 2022-05-31 California      State        Alpha      0     0.00
## 5155 2022-05-31 California      State        Total   1339   100.00
## 5156 2022-05-31 California      State           Mu      0     0.00
## 5157 2022-05-31 California      State        Gamma      0     0.00
## 5158 2022-05-31 California      State      Omicron   1324    98.88
## 5159 2022-05-31 California      State      Epsilon      0     0.00
## 5160 2022-05-31 California      State        Delta      0     0.00
## 5161 2022-06-01 California      State      Epsilon      0     0.00
## 5162 2022-06-01 California      State           Mu      0     0.00
## 5163 2022-06-01 California      State        Delta      0     0.00
## 5164 2022-06-01 California      State        Other      3     0.40
```

```
## 5165 2022-06-01 California      State      Alpha      0      0.00
## 5166 2022-06-01 California      State       Beta      0      0.00
## 5167 2022-06-01 California      State      Total    747    100.00
## 5168 2022-06-01 California      State      Gamma      0      0.00
## 5169 2022-06-01 California      State     Lambda      0      0.00
## 5170 2022-06-01 California      State    Omicron    744     99.60
## 5171 2022-06-02 California      State     Lambda      0      0.00
## 5172 2022-06-02 California      State         Mu      0      0.00
## 5173 2022-06-02 California      State      Delta      0      0.00
## 5174 2022-06-02 California      State      Other      5      0.52
## 5175 2022-06-02 California      State       Beta      0      0.00
## 5176 2022-06-02 California      State      Total    959    100.00
## 5177 2022-06-02 California      State    Epsilon      0      0.00
## 5178 2022-06-02 California      State      Alpha      0      0.00
## 5179 2022-06-02 California      State      Gamma      0      0.00
## 5180 2022-06-02 California      State    Omicron    954     99.48
## 5181 2022-06-03 California      State      Alpha      0      0.00
## 5182 2022-06-03 California      State         Mu      0      0.00
## 5183 2022-06-03 California      State      Gamma      0      0.00
## 5184 2022-06-03 California      State       Beta      0      0.00
## 5185 2022-06-03 California      State    Epsilon      1      0.11
## 5186 2022-06-03 California      State    Omicron    876     99.89
## 5187 2022-06-03 California      State      Total    877    100.00
## 5188 2022-06-03 California      State      Other      0      0.00
## 5189 2022-06-03 California      State     Lambda      0      0.00
## 5190 2022-06-03 California      State      Delta      0      0.00
## 5191 2022-06-04 California      State     Lambda      0      0.00
## 5192 2022-06-04 California      State      Other      0      0.00
## 5193 2022-06-04 California      State    Omicron    653    100.00
## 5194 2022-06-04 California      State      Gamma      0      0.00
## 5195 2022-06-04 California      State      Alpha      0      0.00
## 5196 2022-06-04 California      State       Beta      0      0.00
## 5197 2022-06-04 California      State      Total    653    100.00
## 5198 2022-06-04 California      State    Epsilon      0      0.00
## 5199 2022-06-04 California      State         Mu      0      0.00
## 5200 2022-06-04 California      State      Delta      0      0.00
## 5201 2022-06-05 California      State     Lambda      0      0.00
## 5202 2022-06-05 California      State    Epsilon      0      0.00
## 5203 2022-06-05 California      State      Gamma      0      0.00
## 5204 2022-06-05 California      State       Beta      0      0.00
## 5205 2022-06-05 California      State      Alpha      0      0.00
## 5206 2022-06-05 California      State      Delta      0      0.00
## 5207 2022-06-05 California      State    Omicron    558    100.00
## 5208 2022-06-05 California      State         Mu      0      0.00
## 5209 2022-06-05 California      State      Other      0      0.00
## 5210 2022-06-05 California      State      Total    558    100.00
## 5211 2022-06-06 California      State         Mu      0      0.00
## 5212 2022-06-06 California      State     Lambda      0      0.00
## 5213 2022-06-06 California      State      Gamma      0      0.00
## 5214 2022-06-06 California      State    Omicron   1240     99.84
## 5215 2022-06-06 California      State    Epsilon      0      0.00
## 5216 2022-06-06 California      State      Alpha      0      0.00
## 5217 2022-06-06 California      State       Beta      0      0.00
## 5218 2022-06-06 California      State      Delta      0      0.00
```

```
## 5219 2022-06-06 California          State        Other            2        0.16
## 5220 2022-06-06 California          State        Total         1242      100.00
## 5221 2022-06-07 California          State           Mu            0        0.00
## 5222 2022-06-07 California          State        Delta            0        0.00
## 5223 2022-06-07 California          State        Total          980      100.00
## 5224 2022-06-07 California          State       Lambda            0        0.00
## 5225 2022-06-07 California          State        Alpha            0        0.00
## 5226 2022-06-07 California          State      Omicron          979       99.90
## 5227 2022-06-07 California          State      Epsilon            0        0.00
## 5228 2022-06-07 California          State        Gamma            0        0.00
## 5229 2022-06-07 California          State        Other            1        0.10
## 5230 2022-06-07 California          State         Beta            0        0.00
## 5231 2022-06-08 California          State         Beta            0        0.00
## 5232 2022-06-08 California          State      Omicron          572       99.83
## 5233 2022-06-08 California          State        Alpha            0        0.00
## 5234 2022-06-08 California          State        Delta            0        0.00
## 5235 2022-06-08 California          State        Gamma            0        0.00
## 5236 2022-06-08 California          State       Lambda            0        0.00
## 5237 2022-06-08 California          State        Other            1        0.17
## 5238 2022-06-08 California          State      Epsilon            0        0.00
## 5239 2022-06-08 California          State        Total          573      100.00
## 5240 2022-06-08 California          State           Mu            0        0.00
## 5241 2022-06-09 California          State        Delta            0        0.00
## 5242 2022-06-09 California          State        Total          481      100.00
## 5243 2022-06-09 California          State        Other            3        0.62
## 5244 2022-06-09 California          State           Mu            0        0.00
## 5245 2022-06-09 California          State      Omicron          478       99.38
## 5246 2022-06-09 California          State       Lambda            0        0.00
## 5247 2022-06-09 California          State         Beta            0        0.00
## 5248 2022-06-09 California          State        Gamma            0        0.00
## 5249 2022-06-09 California          State        Alpha            0        0.00
## 5250 2022-06-09 California          State      Epsilon            0        0.00
## 5251 2022-06-10 California          State         Beta            0        0.00
## 5252 2022-06-10 California          State      Omicron          485       99.18
## 5253 2022-06-10 California          State        Other            4        0.82
## 5254 2022-06-10 California          State        Delta            0        0.00
## 5255 2022-06-10 California          State       Lambda            0        0.00
## 5256 2022-06-10 California          State        Total          489      100.00
## 5257 2022-06-10 California          State        Alpha            0        0.00
## 5258 2022-06-10 California          State        Gamma            0        0.00
## 5259 2022-06-10 California          State      Epsilon            0        0.00
## 5260 2022-06-10 California          State           Mu            0        0.00
## 5261 2022-06-11 California          State        Other            1        0.33
## 5262 2022-06-11 California          State           Mu            0        0.00
## 5263 2022-06-11 California          State       Lambda            0        0.00
## 5264 2022-06-11 California          State        Delta            0        0.00
## 5265 2022-06-11 California          State        Total          305      100.00
## 5266 2022-06-11 California          State         Beta            0        0.00
## 5267 2022-06-11 California          State      Omicron          304       99.67
## 5268 2022-06-11 California          State      Epsilon            0        0.00
## 5269 2022-06-11 California          State        Alpha            0        0.00
## 5270 2022-06-11 California          State        Gamma            0        0.00
## 5271 2022-06-12 California          State       Lambda            0        0.00
## 5272 2022-06-12 California          State        Other            1        0.32
```

```
## 5273 2022-06-12 California        State        Gamma         0         0.00
## 5274 2022-06-12 California        State        Alpha         0         0.00
## 5275 2022-06-12 California        State        Total       312       100.00
## 5276 2022-06-12 California        State      Omicron       311        99.68
## 5277 2022-06-12 California        State      Epsilon         0         0.00
## 5278 2022-06-12 California        State           Mu         0         0.00
## 5279 2022-06-12 California        State         Beta         0         0.00
## 5280 2022-06-12 California        State        Delta         0         0.00
## 5281 2022-06-13 California        State        Gamma         0         0.00
## 5282 2022-06-13 California        State           Mu         0         0.00
## 5283 2022-06-13 California        State      Epsilon         0         0.00
## 5284 2022-06-13 California        State        Total       859       100.00
## 5285 2022-06-13 California        State         Beta         0         0.00
## 5286 2022-06-13 California        State        Other         4         0.47
## 5287 2022-06-13 California        State       Lambda         0         0.00
## 5288 2022-06-13 California        State        Alpha         0         0.00
## 5289 2022-06-13 California        State        Delta         0         0.00
## 5290 2022-06-13 California        State      Omicron       855        99.53
## 5291 2022-06-14 California        State      Omicron       652        99.69
## 5292 2022-06-14 California        State        Alpha         0         0.00
## 5293 2022-06-14 California        State        Other         2         0.31
## 5294 2022-06-14 California        State      Epsilon         0         0.00
## 5295 2022-06-14 California        State        Gamma         0         0.00
## 5296 2022-06-14 California        State        Delta         0         0.00
## 5297 2022-06-14 California        State           Mu         0         0.00
## 5298 2022-06-14 California        State        Total       654       100.00
## 5299 2022-06-14 California        State         Beta         0         0.00
## 5300 2022-06-14 California        State       Lambda         0         0.00
## 5301 2022-06-15 California        State        Other         2         0.51
## 5302 2022-06-15 California        State           Mu         0         0.00
## 5303 2022-06-15 California        State        Alpha         0         0.00
## 5304 2022-06-15 California        State       Lambda         0         0.00
## 5305 2022-06-15 California        State      Epsilon         0         0.00
## 5306 2022-06-15 California        State        Delta         0         0.00
## 5307 2022-06-15 California        State        Gamma         0         0.00
## 5308 2022-06-15 California        State        Total       391       100.00
## 5309 2022-06-15 California        State         Beta         0         0.00
## 5310 2022-06-15 California        State      Omicron       389        99.49
## 5311 2022-06-16 California        State        Other         8         2.47
## 5312 2022-06-16 California        State        Alpha         0         0.00
## 5313 2022-06-16 California        State        Total       324       100.00
## 5314 2022-06-16 California        State      Epsilon         0         0.00
## 5315 2022-06-16 California        State           Mu         0         0.00
## 5316 2022-06-16 California        State      Omicron       316        97.53
## 5317 2022-06-16 California        State        Delta         0         0.00
## 5318 2022-06-16 California        State       Lambda         0         0.00
## 5319 2022-06-16 California        State        Gamma         0         0.00
## 5320 2022-06-16 California        State         Beta         0         0.00
## 5321 2022-06-17 California        State         Beta         0         0.00
## 5322 2022-06-17 California        State        Gamma         0         0.00
## 5323 2022-06-17 California        State        Alpha         0         0.00
## 5324 2022-06-17 California        State      Omicron       331        99.40
## 5325 2022-06-17 California        State           Mu         0         0.00
## 5326 2022-06-17 California        State        Other         2         0.60
```

```
## 5327 2022-06-17 California        State       Epsilon        0      0.00
## 5328 2022-06-17 California        State         Total      333    100.00
## 5329 2022-06-17 California        State        Lambda        0      0.00
## 5330 2022-06-17 California        State         Delta        0      0.00
## 5331 2022-06-18 California        State          Beta        0      0.00
## 5332 2022-06-18 California        State       Omicron      152    100.00
## 5333 2022-06-18 California        State         Alpha        0      0.00
## 5334 2022-06-18 California        State       Epsilon        0      0.00
## 5335 2022-06-18 California        State         Total      152    100.00
## 5336 2022-06-18 California        State         Other        0      0.00
## 5337 2022-06-18 California        State         Gamma        0      0.00
## 5338 2022-06-18 California        State            Mu        0      0.00
## 5339 2022-06-18 California        State        Lambda        0      0.00
## 5340 2022-06-18 California        State         Delta        0      0.00
## 5341 2022-06-19 California        State       Omicron      159    100.00
## 5342 2022-06-19 California        State        Lambda        0      0.00
## 5343 2022-06-19 California        State         Alpha        0      0.00
## 5344 2022-06-19 California        State          Beta        0      0.00
## 5345 2022-06-19 California        State            Mu        0      0.00
## 5346 2022-06-19 California        State       Epsilon        0      0.00
## 5347 2022-06-19 California        State         Total      159    100.00
## 5348 2022-06-19 California        State         Delta        0      0.00
## 5349 2022-06-19 California        State         Gamma        0      0.00
## 5350 2022-06-19 California        State         Other        0      0.00
## 5351 2022-06-20 California        State            Mu        0      0.00
## 5352 2022-06-20 California        State         Gamma        0      0.00
## 5353 2022-06-20 California        State       Omicron      305     98.39
## 5354 2022-06-20 California        State       Epsilon        0      0.00
## 5355 2022-06-20 California        State         Alpha        0      0.00
## 5356 2022-06-20 California        State        Lambda        0      0.00
## 5357 2022-06-20 California        State         Delta        0      0.00
## 5358 2022-06-20 California        State         Other        5      1.61
## 5359 2022-06-20 California        State         Total      310    100.00
## 5360 2022-06-20 California        State          Beta        0      0.00
## 5361 2022-06-21 California        State         Total      352    100.00
## 5362 2022-06-21 California        State        Lambda        0      0.00
## 5363 2022-06-21 California        State       Omicron      348     98.86
## 5364 2022-06-21 California        State         Alpha        0      0.00
## 5365 2022-06-21 California        State            Mu        0      0.00
## 5366 2022-06-21 California        State         Delta        0      0.00
## 5367 2022-06-21 California        State         Gamma        0      0.00
## 5368 2022-06-21 California        State         Other        4      1.14
## 5369 2022-06-21 California        State       Epsilon        0      0.00
## 5370 2022-06-21 California        State          Beta        0      0.00
## 5371 2022-06-22 California        State         Other        2      0.63
## 5372 2022-06-22 California        State        Lambda        0      0.00
## 5373 2022-06-22 California        State         Alpha        0      0.00
## 5374 2022-06-22 California        State         Gamma        0      0.00
## 5375 2022-06-22 California        State       Epsilon        0      0.00
## 5376 2022-06-22 California        State         Delta        0      0.00
## 5377 2022-06-22 California        State          Beta        0      0.00
## 5378 2022-06-22 California        State       Omicron      315     99.37
## 5379 2022-06-22 California        State         Total      317    100.00
## 5380 2022-06-22 California        State            Mu        0      0.00
```

```
## 5381 2022-06-23 California          State        Alpha         0        0.00
## 5382 2022-06-23 California          State        Delta         0        0.00
## 5383 2022-06-23 California          State        Gamma         0        0.00
## 5384 2022-06-23 California          State       Lambda         0        0.00
## 5385 2022-06-23 California          State         Beta         0        0.00
## 5386 2022-06-23 California          State           Mu         0        0.00
## 5387 2022-06-23 California          State      Epsilon         0        0.00
## 5388 2022-06-23 California          State        Total       317      100.00
## 5389 2022-06-23 California          State      Omicron       313       98.74
## 5390 2022-06-23 California          State        Other         4        1.26
## 5391 2022-06-24 California          State           Mu         0        0.00
## 5392 2022-06-24 California          State        Delta         0        0.00
## 5393 2022-06-24 California          State        Other         1        0.44
## 5394 2022-06-24 California          State         Beta         0        0.00
## 5395 2022-06-24 California          State        Alpha         0        0.00
## 5396 2022-06-24 California          State       Lambda         0        0.00
## 5397 2022-06-24 California          State      Omicron       225       99.56
## 5398 2022-06-24 California          State        Total       226      100.00
## 5399 2022-06-24 California          State      Epsilon         0        0.00
## 5400 2022-06-24 California          State        Gamma         0        0.00
## 5401 2022-06-25 California          State        Alpha         0        0.00
## 5402 2022-06-25 California          State        Gamma         0        0.00
## 5403 2022-06-25 California          State        Delta         0        0.00
## 5404 2022-06-25 California          State         Beta         0        0.00
## 5405 2022-06-25 California          State        Other         0        0.00
## 5406 2022-06-25 California          State           Mu         0        0.00
## 5407 2022-06-25 California          State      Omicron       171      100.00
## 5408 2022-06-25 California          State       Lambda         0        0.00
## 5409 2022-06-25 California          State        Total       171      100.00
## 5410 2022-06-25 California          State      Epsilon         0        0.00
##       specimens_7d_avg percentage_7d_avg
## 1                   NA                NA
## 2                   NA                NA
## 3                   NA                NA
## 4                   NA                NA
## 5                   NA                NA
## 6                   NA                NA
## 7                   NA                NA
## 8                   NA                NA
## 9                   NA                NA
## 10                  NA                NA
## 11                  NA                NA
## 12                  NA                NA
## 13                  NA                NA
## 14                  NA                NA
## 15                  NA                NA
## 16                  NA                NA
## 17                  NA                NA
## 18                  NA                NA
## 19                  NA                NA
## 20                  NA                NA
## 21                  NA                NA
## 22                  NA                NA
## 23                  NA                NA
```

```
## 24                  NA               NA
## 25                  NA               NA
## 26                  NA               NA
## 27                  NA               NA
## 28                  NA               NA
## 29                  NA               NA
## 30                  NA               NA
## 31                  NA               NA
## 32                  NA               NA
## 33                  NA               NA
## 34                  NA               NA
## 35                  NA               NA
## 36                  NA               NA
## 37                  NA               NA
## 38                  NA               NA
## 39                  NA               NA
## 40                  NA               NA
## 41                  NA               NA
## 42                  NA               NA
## 43                  NA               NA
## 44                  NA               NA
## 45                  NA               NA
## 46                  NA               NA
## 47                  NA               NA
## 48                  NA               NA
## 49                  NA               NA
## 50                  NA               NA
## 51                  NA               NA
## 52                  NA               NA
## 53                  NA               NA
## 54                  NA               NA
## 55                  NA               NA
## 56                  NA               NA
## 57                  NA               NA
## 58                  NA               NA
## 59                  NA               NA
## 60                  NA               NA
## 61         202.5714286     4.468957e+01
## 62           0.1428571     3.151592e-02
## 63           0.0000000     0.000000e+00
## 64         240.5714286     5.307280e+01
## 65           0.0000000     0.000000e+00
## 66         453.2857143     1.000000e+02
## 67           0.0000000     0.000000e+00
## 68           1.5714286     3.466751e-01
## 69           1.1428571     2.521273e-01
## 70           7.2857143     1.607312e+00
## 71           0.0000000     0.000000e+00
## 72         465.8571429     1.000000e+02
## 73           7.4285714     1.594603e+00
## 74         207.7142857     4.458755e+01
## 75           0.0000000     0.000000e+00
## 76           1.0000000     2.146581e-01
## 77         247.7142857     5.317387e+01
```

```
## 78            0.0000000     0.000000e+00
## 79            1.8571429     3.986507e-01
## 80            0.1428571     3.066544e-02
## 81            0.0000000     0.000000e+00
## 82            0.0000000     0.000000e+00
## 83            7.4285714     1.409596e+00
## 84            0.0000000     0.000000e+00
## 85          231.5714286     4.394145e+01
## 86            0.1428571     2.710762e-02
## 87          285.0000000     5.407970e+01
## 88          527.0000000     1.000000e+02
## 89            1.8571429     3.523990e-01
## 90            1.0000000     1.897533e-01
## 91            0.0000000     0.000000e+00
## 92            0.8571429     1.675042e-01
## 93          221.4285714     4.327192e+01
## 94          511.7142857     1.000000e+02
## 95            1.5714286     3.070910e-01
## 96          281.1428571     5.494137e+01
## 97            0.0000000     0.000000e+00
## 98            6.7142857     1.312116e+00
## 99            0.0000000     0.000000e+00
## 100           0.0000000     0.000000e+00
## 101           7.1428571     1.731302e+00
## 102           0.1428571     3.462604e-02
## 103         221.2857143     5.363573e+01
## 104         181.5714286     4.400970e+01
## 105           0.0000000     0.000000e+00
## 106           0.1428571     3.462604e-02
## 107         412.5714286     1.000000e+02
## 108           0.0000000     0.000000e+00
## 109           1.1428571     2.770083e-01
## 110           1.1428571     2.770083e-01
## 111           0.1428571     3.797949e-02
## 112         376.1428571     1.000000e+02
## 113         165.1428571     4.390429e+01
## 114           0.0000000     0.000000e+00
## 115           0.1428571     3.797949e-02
## 116           1.1428571     3.038359e-01
## 117           0.1428571     3.797949e-02
## 118           6.1428571     1.633118e+00
## 119           1.2857143     3.418154e-01
## 120         202.0000000     5.370300e+01
## 121           7.0000000     1.724138e+00
## 122         220.8571429     5.439831e+01
## 123         406.0000000     1.000000e+02
## 124           1.0000000     2.463054e-01
## 125           1.1428571     2.814919e-01
## 126         175.5714286     4.324419e+01
## 127           0.1428571     3.518649e-02
## 128           0.1428571     3.518649e-02
## 129           0.1428571     3.518649e-02
## 130           0.0000000     0.000000e+00
## 131         459.5714286     1.000000e+02
```

```
## 132            0.8571429        1.865092e-01
## 133            0.1428571        3.108486e-02
## 134            0.0000000        0.000000e+00
## 135            6.8571429        1.492073e+00
## 136            0.1428571        3.108486e-02
## 137            1.0000000        2.175940e-01
## 138            0.1428571        3.108486e-02
## 139          259.4285714        5.645011e+01
## 140          191.0000000        4.156046e+01
## 141            0.1428571        2.748763e-02
## 142          215.7142857        4.150632e+01
## 143            0.1428571        2.748763e-02
## 144            0.8571429        1.649258e-01
## 145          294.0000000        5.656954e+01
## 146            7.7142857        1.484332e+00
## 147          519.7142857        1.000000e+02
## 148            0.0000000        0.000000e+00
## 149            1.0000000        1.924134e-01
## 150            0.1428571        2.748763e-02
## 151            0.0000000        0.000000e+00
## 152          305.7142857        5.575821e+01
## 153            0.8571429        1.563314e-01
## 154            0.7142857        1.302762e-01
## 155            9.2857143        1.693590e+00
## 156            0.1428571        2.605524e-02
## 157            0.1428571        2.605524e-02
## 158          548.2857143        1.000000e+02
## 159            0.1428571        2.605524e-02
## 160          231.2857143        4.218343e+01
## 161            9.7142857        1.703407e+00
## 162          570.2857143        1.000000e+02
## 163          318.8571429        5.591182e+01
## 164            0.5714286        1.002004e-01
## 165            0.1428571        2.505010e-02
## 166            0.8571429        1.503006e-01
## 167          239.7142857        4.203407e+01
## 168            0.2857143        5.010020e-02
## 169            0.0000000        0.000000e+00
## 170            0.1428571        2.505010e-02
## 171          341.2857143        5.724898e+01
## 172            0.0000000        0.000000e+00
## 173            0.0000000        0.000000e+00
## 174            0.7142857        1.198179e-01
## 175            0.0000000        0.000000e+00
## 176          596.1428571        1.000000e+02
## 177           10.4285714        1.749341e+00
## 178            0.2857143        4.792715e-02
## 179          243.1428571        4.078601e+01
## 180            0.2857143        4.792715e-02
## 181            0.0000000        0.000000e+00
## 182            0.0000000        0.000000e+00
## 183            0.0000000        0.000000e+00
## 184          282.4285714        4.094015e+01
## 185           11.8571429        1.718782e+00
```

```
## 186          0.1428571     2.070822e-02
## 187          0.7142857     1.035411e-01
## 188        689.8571429     1.000000e+02
## 189        394.2857143     5.715469e+01
## 190          0.4285714     6.212466e-02
## 191          0.0000000     0.000000e+00
## 192          0.5714286     8.886914e-02
## 193         12.7142857     1.977338e+00
## 194          0.2857143     4.443457e-02
## 195        261.0000000     4.059098e+01
## 196          0.0000000     0.000000e+00
## 197          0.0000000     0.000000e+00
## 198        368.2857143     5.727616e+01
## 199        643.0000000     1.000000e+02
## 200          0.1428571     2.221729e-02
## 201          0.0000000     0.000000e+00
## 202          0.7142857     1.277139e-01
## 203        313.7142857     5.609195e+01
## 204          0.0000000     0.000000e+00
## 205          0.1428571     2.554278e-02
## 206        559.2857143     1.000000e+02
## 207          0.0000000     0.000000e+00
## 208          0.2857143     5.108557e-02
## 209        229.8571429     4.109834e+01
## 210         14.5714286     2.605364e+00
## 211          0.0000000     0.000000e+00
## 212        197.5714286     4.073638e+01
## 213          0.0000000     0.000000e+00
## 214          0.5714286     1.178203e-01
## 215        272.0000000     5.608247e+01
## 216          0.2857143     5.891016e-02
## 217        485.0000000     1.000000e+02
## 218         14.4285714     2.974963e+00
## 219          0.0000000     0.000000e+00
## 220          0.1428571     2.945508e-02
## 221        383.7142857     1.000000e+02
## 222         13.5714286     3.536858e+00
## 223          0.0000000     0.000000e+00
## 224          0.0000000     0.000000e+00
## 225          0.5714286     1.489203e-01
## 226        218.0000000     5.681310e+01
## 227          0.2857143     7.446016e-02
## 228        151.1428571     3.938943e+01
## 229          0.0000000     0.000000e+00
## 230          0.1428571     3.723008e-02
## 231        133.4285714     3.862696e+01
## 232          0.0000000     0.000000e+00
## 233        197.0000000     5.703060e+01
## 234          0.0000000     0.000000e+00
## 235          0.1428571     4.135649e-02
## 236        345.4285714     1.000000e+02
## 237         14.1428571     4.094293e+00
## 238          0.1428571     4.135649e-02
## 239          0.0000000     0.000000e+00
```

```
## 240     0.5714286     1.654260e-01
## 241     0.0000000     0.000000e+00
## 242    94.7142857     3.777778e+01
## 243     0.0000000     0.000000e+00
## 244     0.1428571     5.698006e-02
## 245     0.4285714     1.709402e-01
## 246     0.1428571     5.698006e-02
## 247   250.7142857     1.000000e+02
## 248     0.0000000     0.000000e+00
## 249   142.4285714     5.680912e+01
## 250    12.8571429     5.128205e+00
## 251     0.4285714     2.685765e-01
## 252     0.1428571     8.952551e-02
## 253    95.5714286     5.989257e+01
## 254     0.0000000     0.000000e+00
## 255     0.0000000     0.000000e+00
## 256     0.0000000     0.000000e+00
## 257    11.4285714     7.162041e+00
## 258    52.0000000     3.258729e+01
## 259     0.0000000     0.000000e+00
## 260   159.5714286     1.000000e+02
## 261     0.0000000     0.000000e+00
## 262     0.0000000     0.000000e+00
## 263     0.0000000     0.000000e+00
## 264    73.7142857     3.290816e+01
## 265   138.7142857     6.192602e+01
## 266     0.5714286     2.551020e-01
## 267     0.0000000     0.000000e+00
## 268    11.0000000     4.910714e+00
## 269   224.0000000     1.000000e+02
## 270     0.0000000     0.000000e+00
## 271   114.8571429     3.424191e+01
## 272    10.8571429     3.236797e+00
## 273     0.0000000     0.000000e+00
## 274     0.0000000     0.000000e+00
## 275     0.2857143     8.517888e-02
## 276     0.0000000     0.000000e+00
## 277     0.5714286     1.703578e-01
## 278     0.4285714     1.277683e-01
## 279   335.4285714     1.000000e+02
## 280   208.4285714     6.213799e+01
## 281     0.0000000     0.000000e+00
## 282     0.2857143     7.964954e-02
## 283   358.7142857     1.000000e+02
## 284   120.7142857     3.365193e+01
## 285     0.0000000     0.000000e+00
## 286     0.0000000     0.000000e+00
## 287     0.5714286     1.592991e-01
## 288    11.2857143     3.146157e+00
## 289   225.1428571     6.276384e+01
## 290     0.7142857     1.991239e-01
## 291    10.0000000     2.699576e+00
## 292     0.0000000     0.000000e+00
## 293     0.5714286     1.542615e-01
```

```
## 294      0.0000000    0.000000e+00
## 295    124.0000000    3.347474e+01
## 296    370.4285714    1.000000e+02
## 297    234.8571429    6.340147e+01
## 298      0.7142857    1.928268e-01
## 299      0.0000000    0.000000e+00
## 300      0.2857143    7.713074e-02
## 301    397.8571429    1.000000e+02
## 302      0.0000000    0.000000e+00
## 303      0.5714286    1.436266e-01
## 304    135.1428571    3.396768e+01
## 305      0.0000000    0.000000e+00
## 306      0.2857143    7.181329e-02
## 307      0.7142857    1.795332e-01
## 308      9.2857143    2.333932e+00
## 309    251.8571429    6.330341e+01
## 310      0.0000000    0.000000e+00
## 311    498.1428571    1.000000e+02
## 312     10.1428571    2.036134e+00
## 313      0.5714286    1.147118e-01
## 314      0.7142857    1.433897e-01
## 315    324.1428571    6.507026e+01
## 316      0.0000000    0.000000e+00
## 317    162.2857143    3.257815e+01
## 318      0.0000000    0.000000e+00
## 319      0.2857143    5.735589e-02
## 320      0.0000000    0.000000e+00
## 321      0.4285714    7.115750e-02
## 322      0.0000000    0.000000e+00
## 323      0.0000000    0.000000e+00
## 324      0.2857143    4.743833e-02
## 325    413.7142857    6.869070e+01
## 326    173.5714286    2.881879e+01
## 327      0.7142857    1.185958e-01
## 328    602.2857143    1.000000e+02
## 329     13.5714286    2.253321e+00
## 330      0.0000000    0.000000e+00
## 331    463.5714286    7.052815e+01
## 332      0.7142857    1.086720e-01
## 333     16.0000000    2.434253e+00
## 334    657.2857143    1.000000e+02
## 335      0.0000000    0.000000e+00
## 336      0.0000000    0.000000e+00
## 337      0.0000000    0.000000e+00
## 338    176.2857143    2.682026e+01
## 339      0.2857143    4.346881e-02
## 340      0.4285714    6.520322e-02
## 341    148.0000000    2.431354e+01
## 342      0.1428571    2.346867e-02
## 343    445.7142857    7.322225e+01
## 344      0.0000000    0.000000e+00
## 345    608.7142857    1.000000e+02
## 346      0.0000000    0.000000e+00
## 347      0.0000000    0.000000e+00
```

```
## 348       0.2857143       4.693734e-02
## 349       0.1428571       2.346867e-02
## 350      14.4285714       2.370336e+00
## 351       0.1428571       2.306805e-02
## 352      16.2857143       2.629758e+00
## 353       0.0000000       0.000000e+00
## 354     151.1428571       2.440600e+01
## 355       0.0000000       0.000000e+00
## 356       0.0000000       0.000000e+00
## 357     451.7142857       7.294118e+01
## 358       0.0000000       0.000000e+00
## 359     619.2857143       1.000000e+02
## 360       0.0000000       0.000000e+00
## 361       0.1428571       2.168257e-02
## 362       0.0000000       0.000000e+00
## 363     479.1428571       7.272333e+01
## 364       0.0000000       0.000000e+00
## 365       0.0000000       0.000000e+00
## 366     658.8571429       1.000000e+02
## 367      18.1428571       2.753686e+00
## 368       0.0000000       0.000000e+00
## 369       0.0000000       0.000000e+00
## 370     161.4285714       2.450130e+01
## 371       0.0000000       0.000000e+00
## 372       0.1428571       2.177700e-02
## 373       0.0000000       0.000000e+00
## 374       0.0000000       0.000000e+00
## 375       0.1428571       2.177700e-02
## 376       0.0000000       0.000000e+00
## 377      18.4285714       2.809233e+00
## 378     656.0000000       1.000000e+02
## 379     481.4285714       7.338850e+01
## 380     155.8571429       2.375871e+01
## 381       0.1428571       2.324500e-02
## 382      19.5714286       3.184565e+00
## 383     139.8571429       2.275686e+01
## 384       0.0000000       0.000000e+00
## 385       0.0000000       0.000000e+00
## 386     454.8571429       7.401209e+01
## 387       0.0000000       0.000000e+00
## 388       0.0000000       0.000000e+00
## 389     614.5714286       1.000000e+02
## 390       0.1428571       2.324500e-02
## 391      18.0000000       3.459638e+00
## 392       0.1428571       2.745744e-02
## 393     520.2857143       1.000000e+02
## 394       0.0000000       0.000000e+00
## 395       0.0000000       0.000000e+00
## 396       0.1428571       2.745744e-02
## 397       0.0000000       0.000000e+00
## 398     383.1428571       7.364086e+01
## 399       0.0000000       0.000000e+00
## 400     118.8571429       2.284459e+01
## 401       0.0000000       0.000000e+00
```

```
## 402      0.0000000    0.000000e+00
## 403      0.1428571    3.225806e-02
## 404      0.0000000    0.000000e+00
## 405    106.1428571    2.396774e+01
## 406     16.8571429    3.806452e+00
## 407    319.7142857    7.219355e+01
## 408      0.0000000    0.000000e+00
## 409    442.8571429    1.000000e+02
## 410      0.0000000    0.000000e+00
## 411    108.5714286    2.463533e+01
## 412      0.0000000    0.000000e+00
## 413      0.1428571    3.241491e-02
## 414      0.0000000    0.000000e+00
## 415      0.0000000    0.000000e+00
## 416    313.2857143    7.108590e+01
## 417      0.0000000    0.000000e+00
## 418    440.7142857    1.000000e+02
## 419     18.7142857    4.246353e+00
## 420      0.0000000    0.000000e+00
## 421      0.0000000    0.000000e+00
## 422      0.0000000    0.000000e+00
## 423    329.0000000    7.176691e+01
## 424    458.4285714    1.000000e+02
## 425      0.1428571    3.116236e-02
## 426      0.0000000    0.000000e+00
## 427      0.0000000    0.000000e+00
## 428      0.1428571    3.116236e-02
## 429     19.1428571    4.175756e+00
## 430    110.0000000    2.399501e+01
## 431    447.4285714    1.000000e+02
## 432      0.0000000    0.000000e+00
## 433      0.0000000    0.000000e+00
## 434    320.2857143    7.158365e+01
## 435    105.8571429    2.365900e+01
## 436      0.1428571    3.192848e-02
## 437      0.1428571    3.192848e-02
## 438      0.0000000    0.000000e+00
## 439     21.0000000    4.693487e+00
## 440      0.0000000    0.000000e+00
## 441      0.0000000    0.000000e+00
## 442    434.5714286    1.000000e+02
## 443      0.1428571    3.287311e-02
## 444    309.2857143    7.117028e+01
## 445     21.5714286    4.963840e+00
## 446      0.0000000    0.000000e+00
## 447      0.0000000    0.000000e+00
## 448      0.0000000    0.000000e+00
## 449    103.5714286    2.383300e+01
## 450      0.0000000    0.000000e+00
## 451     20.8571429    5.248023e+00
## 452      0.1428571    3.594536e-02
## 453      0.0000000    0.000000e+00
## 454     95.7142857    2.408339e+01
## 455      0.0000000    0.000000e+00
```

```
## 456         0.1428571       3.594536e-02
## 457         0.0000000       0.000000e+00
## 458         0.0000000       0.000000e+00
## 459       280.5714286       7.059669e+01
## 460       397.4285714       1.000000e+02
## 461        23.2857143       6.125517e+00
## 462        91.7142857       2.412627e+01
## 463       380.1428571       1.000000e+02
## 464         0.0000000       0.000000e+00
## 465         0.0000000       0.000000e+00
## 466         0.0000000       0.000000e+00
## 467       264.7142857       6.963548e+01
## 468         0.0000000       0.000000e+00
## 469         0.2857143       7.515971e-02
## 470         0.1428571       3.757986e-02
## 471         0.2857143       7.788162e-02
## 472       257.7142857       7.024922e+01
## 473         0.1428571       3.894081e-02
## 474         0.0000000       0.000000e+00
## 475         0.0000000       0.000000e+00
## 476         0.0000000       0.000000e+00
## 477       366.8571429       1.000000e+02
## 478        83.5714286       2.278037e+01
## 479         0.0000000       0.000000e+00
## 480        25.1428571       6.853583e+00
## 481       242.4285714       6.980666e+01
## 482         0.0000000       0.000000e+00
## 483         0.2857143       8.227067e-02
## 484         0.0000000       0.000000e+00
## 485         0.0000000       0.000000e+00
## 486         0.0000000       0.000000e+00
## 487        78.7142857       2.266557e+01
## 488       347.2857143       1.000000e+02
## 489         0.2857143       8.227067e-02
## 490        25.5714286       7.363225e+00
## 491         0.0000000       0.000000e+00
## 492        78.4285714       2.327257e+01
## 493         0.0000000       0.000000e+00
## 494       337.0000000       1.000000e+02
## 495        24.5714286       7.291225e+00
## 496         0.1428571       4.239084e-02
## 497         0.2857143       8.478169e-02
## 498       233.5714286       6.930903e+01
## 499         0.0000000       0.000000e+00
## 500         0.0000000       0.000000e+00
## 501         0.0000000       0.000000e+00
## 502       223.8571429       6.915269e+01
## 503         0.1428571       4.413063e-02
## 504         0.0000000       0.000000e+00
## 505       323.7142857       1.000000e+02
## 506         0.0000000       0.000000e+00
## 507        24.1428571       7.458076e+00
## 508         0.0000000       0.000000e+00
## 509        75.2857143       2.325684e+01
```

```
## 510           0.2857143        8.826125e-02
## 511          23.7142857        7.467386e+00
## 512         219.2857143        6.905083e+01
## 513           0.0000000        0.000000e+00
## 514           0.0000000        0.000000e+00
## 515           0.0000000        0.000000e+00
## 516         317.5714286        1.000000e+02
## 517           0.1428571        4.498426e-02
## 518           0.0000000        0.000000e+00
## 519          74.1428571        2.334683e+01
## 520           0.2857143        8.996851e-02
## 521          75.5714286        2.314086e+01
## 522           0.0000000        0.000000e+00
## 523           0.2857143        8.748906e-02
## 524           0.0000000        0.000000e+00
## 525         226.1428571        6.924759e+01
## 526           0.0000000        0.000000e+00
## 527         326.5714286        1.000000e+02
## 528          24.2857143        7.436570e+00
## 529           0.2857143        8.748906e-02
## 530           0.0000000        0.000000e+00
## 531           0.0000000        0.000000e+00
## 532           0.0000000        0.000000e+00
## 533           0.0000000        0.000000e+00
## 534           0.1428571        4.856727e-02
## 535           0.2857143        9.713453e-02
## 536           0.0000000        0.000000e+00
## 537         294.1428571        1.000000e+02
## 538          65.7142857        2.234094e+01
## 539          21.8571429        7.430792e+00
## 540         206.1428571        7.008256e+01
## 541           0.1428571        5.291005e-02
## 542          21.5714286        7.989418e+00
## 543           0.0000000        0.000000e+00
## 544          59.1428571        2.190476e+01
## 545         270.0000000        1.000000e+02
## 546           0.0000000        0.000000e+00
## 547         188.8571429        6.994709e+01
## 548           0.0000000        0.000000e+00
## 549           0.2857143        1.058201e-01
## 550           0.0000000        0.000000e+00
## 551           0.0000000        0.000000e+00
## 552           0.0000000        0.000000e+00
## 553           0.0000000        0.000000e+00
## 554           0.0000000        0.000000e+00
## 555           0.1428571        5.571031e-02
## 556         179.2857143        6.991643e+01
## 557          56.2857143        2.194986e+01
## 558          20.5714286        8.022284e+00
## 559         256.4285714        1.000000e+02
## 560           0.1428571        5.571031e-02
## 561           0.1428571        5.899705e-02
## 562         168.7142857        6.967552e+01
## 563          51.2857143        2.117994e+01
```

```
## 564     21.8571429    9.026549e+00
## 565      0.0000000    0.000000e+00
## 566    242.1428571    1.000000e+02
## 567      0.1428571    5.899705e-02
## 568      0.0000000    0.000000e+00
## 569      0.0000000    0.000000e+00
## 570      0.0000000    0.000000e+00
## 571      0.1428571    6.013229e-02
## 572      0.1428571    6.013229e-02
## 573      0.0000000    0.000000e+00
## 574     20.0000000    8.418521e+00
## 575     49.5714286    2.086590e+01
## 576      0.0000000    0.000000e+00
## 577      0.0000000    0.000000e+00
## 578      0.0000000    0.000000e+00
## 579    237.5714286    1.000000e+02
## 580    167.7142857    7.059531e+01
## 581    171.8571429    7.047452e+01
## 582      0.1428571    5.858231e-02
## 583      0.1428571    5.858231e-02
## 584    243.8571429    1.000000e+02
## 585      0.0000000    0.000000e+00
## 586      0.1428571    5.858231e-02
## 587     21.8571429    8.963093e+00
## 588      0.0000000    0.000000e+00
## 589     49.5714286    2.032806e+01
## 590      0.1428571    5.858231e-02
## 591      0.0000000    0.000000e+00
## 592     48.2857143    1.988235e+01
## 593      0.0000000    0.000000e+00
## 594     23.8571429    9.823529e+00
## 595      0.2857143    1.176471e-01
## 596      0.0000000    0.000000e+00
## 597    170.2857143    7.011765e+01
## 598      0.1428571    5.882353e-02
## 599      0.0000000    0.000000e+00
## 600    242.8571429    1.000000e+02
## 601    184.5714286    6.482689e+01
## 602     69.0000000    2.423482e+01
## 603    284.7142857    1.000000e+02
## 604      0.0000000    0.000000e+00
## 605     30.0000000    1.053688e+01
## 606      1.0000000    3.512293e-01
## 607      0.0000000    0.000000e+00
## 608      0.1428571    5.017561e-02
## 609      0.0000000    0.000000e+00
## 610      0.0000000    0.000000e+00
## 611      0.1428571    4.353505e-02
## 612      0.1428571    4.353505e-02
## 613     33.1428571    1.010013e+01
## 614     87.1428571    2.655638e+01
## 615      1.1428571    3.482804e-01
## 616      0.0000000    0.000000e+00
## 617    206.4285714    6.290814e+01
```

```
## 618   328.1428571   1.000000e+02
## 619     0.0000000   0.000000e+00
## 620     0.0000000   0.000000e+00
## 621     0.1428571   4.000000e-02
## 622     1.4285714   4.000000e-01
## 623     0.1428571   4.000000e-02
## 624    97.7142857   2.736000e+01
## 625    37.8571429   1.060000e+01
## 626     0.0000000   0.000000e+00
## 627   219.7142857   6.152000e+01
## 628     0.0000000   0.000000e+00
## 629     0.1428571   4.000000e-02
## 630   357.1428571   1.000000e+02
## 631     0.0000000   0.000000e+00
## 632   113.7142857   2.845906e+01
## 633    44.7142857   1.119056e+01
## 634     0.1428571   3.575259e-02
## 635     1.8571429   4.647837e-01
## 636     0.1428571   3.575259e-02
## 637     0.2857143   7.150518e-02
## 638   399.5714286   1.000000e+02
## 639     0.0000000   0.000000e+00
## 640   238.7142857   5.974258e+01
## 641    52.0000000   1.223941e+01
## 642     0.2857143   6.724950e-02
## 643     0.2857143   6.724950e-02
## 644     0.0000000   0.000000e+00
## 645   250.5714286   5.897781e+01
## 646   119.7142857   2.817754e+01
## 647     0.0000000   0.000000e+00
## 648   424.8571429   1.000000e+02
## 649     1.8571429   4.371217e-01
## 650     0.1428571   3.362475e-02
## 651   453.4285714   1.000000e+02
## 652     0.4285714   9.451796e-02
## 653     0.0000000   0.000000e+00
## 654   264.8571429   5.841210e+01
## 655    55.2857143   1.219282e+01
## 656   130.5714286   2.879647e+01
## 657     2.0000000   4.410838e-01
## 658     0.2857143   6.301197e-02
## 659     0.0000000   0.000000e+00
## 660     0.0000000   0.000000e+00
## 661   155.5714286   3.106104e+01
## 662   500.8571429   1.000000e+02
## 663     0.4285714   8.556760e-02
## 664     0.5714286   1.140901e-01
## 665   279.4285714   5.579007e+01
## 666     0.0000000   0.000000e+00
## 667     0.0000000   0.000000e+00
## 668     0.0000000   0.000000e+00
## 669    62.2857143   1.243582e+01
## 670     2.5714286   5.134056e-01
## 671   287.5714286   5.573090e+01
```

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## 672          1.2857143          2.491694e-01
## 673          0.0000000          0.000000e+00
## 674          0.0000000          0.000000e+00
## 675         66.2857143          1.284607e+01
## 676        516.0000000          1.000000e+02
## 677          0.4285714          8.305648e-02
## 678          2.7142857          5.260244e-01
## 679          0.0000000          0.000000e+00
## 680        157.7142857          3.056478e+01
## 681          3.7142857          6.970509e-01
## 682          0.0000000          0.000000e+00
## 683        291.4285714          5.469169e+01
## 684          1.2857143          2.412869e-01
## 685         74.7142857          1.402145e+01
## 686        532.8571429          1.000000e+02
## 687          0.2857143          5.361930e-02
## 688          0.0000000          0.000000e+00
## 689          0.0000000          0.000000e+00
## 690        161.4285714          3.029491e+01
## 691          1.7142857          3.105590e-01
## 692        552.0000000          1.000000e+02
## 693          0.0000000          0.000000e+00
## 694          0.2857143          5.175983e-02
## 695          0.0000000          0.000000e+00
## 696          4.2857143          7.763975e-01
## 697        169.5714286          3.071946e+01
## 698         79.8571429          1.446687e+01
## 699          0.0000000          0.000000e+00
## 700        296.2857143          5.367495e+01
## 701          2.0000000          3.696858e-01
## 702          0.0000000          0.000000e+00
## 703          5.0000000          9.242144e-01
## 704        287.1428571          5.307631e+01
## 705          0.1428571          2.640613e-02
## 706         79.4285714          1.468181e+01
## 707        541.0000000          1.000000e+02
## 708          0.1428571          2.640613e-02
## 709          0.0000000          0.000000e+00
## 710        167.1428571          3.089517e+01
## 711         76.8571429          1.446625e+01
## 712        531.2857143          1.000000e+02
## 713          1.8571429          3.495563e-01
## 714          0.0000000          0.000000e+00
## 715          5.2857143          9.948911e-01
## 716          0.2857143          5.377790e-02
## 717        279.1428571          5.254101e+01
## 718          0.0000000          0.000000e+00
## 719        167.7142857          3.156763e+01
## 720          0.1428571          2.688895e-02
## 721        266.7142857          5.176047e+01
## 722          1.7142857          3.326864e-01
## 723        164.8571429          3.199335e+01
## 724          0.0000000          0.000000e+00
## 725          0.0000000          0.000000e+00
```

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## 726      0.1428571      2.772387e-02
## 727     76.5714286      1.485999e+01
## 728      0.2857143      5.544774e-02
## 729      5.0000000      9.703355e-01
## 730    515.2857143      1.000000e+02
## 731      0.0000000      0.000000e+00
## 732    491.2857143      1.000000e+02
## 733      1.5714286      3.198604e-01
## 734      5.4285714      1.104972e+00
## 735    249.2857143      5.074149e+01
## 736    153.7142857      3.128817e+01
## 737     80.8571429      1.645827e+01
## 738      0.1428571      2.907822e-02
## 739      0.0000000      0.000000e+00
## 740      0.2857143      5.815644e-02
## 741      0.2857143      6.024096e-02
## 742      1.0000000      2.108434e-01
## 743      6.5714286      1.385542e+00
## 744    233.8571429      4.930723e+01
## 745      0.0000000      0.000000e+00
## 746    474.2857143      1.000000e+02
## 747      0.2857143      6.024096e-02
## 748     87.1428571      1.837349e+01
## 749    145.1428571      3.060241e+01
## 750      0.0000000      0.000000e+00
## 751      0.4285714      9.334163e-02
## 752      6.1428571      1.337897e+00
## 753    459.1428571      1.000000e+02
## 754     93.7142857      2.041070e+01
## 755      0.2857143      6.222775e-02
## 756      0.0000000      0.000000e+00
## 757      1.4285714      3.111388e-01
## 758    142.2857143      3.098942e+01
## 759      0.0000000      0.000000e+00
## 760    214.8571429      4.679527e+01
## 761      6.5714286      1.457541e+00
## 762    205.5714286      4.559569e+01
## 763      0.2857143      6.337136e-02
## 764      0.4285714      9.505703e-02
## 765      1.2857143      2.851711e-01
## 766    141.0000000      3.127376e+01
## 767    450.8571429      1.000000e+02
## 768     95.7142857      2.122940e+01
## 769      0.0000000      0.000000e+00
## 770      0.0000000      0.000000e+00
## 771      0.0000000      0.000000e+00
## 772    140.8571429      3.088005e+01
## 773      1.1428571      2.505481e-01
## 774    456.1428571      1.000000e+02
## 775      0.4285714      9.395553e-02
## 776      0.2857143      6.263702e-02
## 777    104.4285714      2.289383e+01
## 778    202.0000000      4.428437e+01
## 779      7.0000000      1.534607e+00
```

```
## 780       0.0000000      0.000000e+00
## 781     141.7142857      3.051369e+01
## 782       0.2857143      6.151953e-02
## 783       0.2857143      6.151953e-02
## 784     111.1428571      2.393110e+01
## 785       1.4285714      3.075977e-01
## 786       0.0000000      0.000000e+00
## 787       7.8571429      1.691787e+00
## 788     201.7142857      4.343279e+01
## 789     464.4285714      1.000000e+02
## 790       0.0000000      0.000000e+00
## 791       0.0000000      0.000000e+00
## 792     113.2857143      2.435504e+01
## 793     138.0000000      2.966830e+01
## 794     465.1428571      1.000000e+02
## 795       0.2857143      6.142506e-02
## 796     203.0000000      4.364251e+01
## 797       8.7142857      1.873464e+00
## 798       0.2857143      6.142506e-02
## 799       0.0000000      0.000000e+00
## 800       1.5714286      3.378378e-01
## 801     473.1428571      1.000000e+02
## 802       0.2857143      6.038647e-02
## 803     204.5714286      4.323671e+01
## 804     117.1428571      2.475845e+01
## 805       0.1428571      3.019324e-02
## 806     140.7142857      2.974034e+01
## 807       0.0000000      0.000000e+00
## 808       0.0000000      0.000000e+00
## 809       1.7142857      3.623188e-01
## 810       8.5714286      1.811594e+00
## 811       0.2857143      6.297229e-02
## 812       0.0000000      0.000000e+00
## 813     453.7142857      1.000000e+02
## 814       0.0000000      0.000000e+00
## 815       0.0000000      0.000000e+00
## 816     193.0000000      4.253778e+01
## 817     138.5714286      3.054156e+01
## 818     111.0000000      2.446474e+01
## 819       1.7142857      3.778338e-01
## 820       9.1428571      2.015113e+00
## 821       0.0000000      0.000000e+00
## 822     194.1428571      4.378222e+01
## 823      10.5714286      2.384021e+00
## 824       0.0000000      0.000000e+00
## 825       0.2857143      6.443299e-02
## 826     127.2857143      2.870490e+01
## 827     109.4285714      2.467784e+01
## 828       0.1428571      3.221649e-02
## 829       1.5714286      3.543814e-01
## 830     443.4285714      1.000000e+02
## 831     425.7142857      1.000000e+02
## 832       1.4285714      3.355705e-01
## 833     182.1428571      4.278523e+01
```

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## 834    117.0000000    2.748322e+01
## 835      0.0000000    0.000000e+00
## 836      0.1428571    3.355705e-02
## 837      0.2857143    6.711409e-02
## 838    113.5714286    2.667785e+01
## 839      0.0000000    0.000000e+00
## 840     11.1428571    2.617450e+00
## 841      1.8571429    4.455106e-01
## 842    416.8571429    1.000000e+02
## 843      0.0000000    0.000000e+00
## 844      0.2857143    6.854010e-02
## 845    173.5714286    4.163811e+01
## 846     12.2857143    2.947224e+00
## 847      0.1428571    3.427005e-02
## 848    113.7142857    2.727896e+01
## 849      0.0000000    0.000000e+00
## 850    115.0000000    2.758739e+01
## 851      0.0000000    0.000000e+00
## 852    113.7142857    2.744828e+01
## 853    113.4285714    2.737931e+01
## 854    171.2857143    4.134483e+01
## 855      0.1428571    3.448276e-02
## 856    414.2857143    1.000000e+02
## 857      0.0000000    0.000000e+00
## 858      0.2857143    6.896552e-02
## 859      2.2857143    5.517241e-01
## 860     13.1428571    3.172414e+00
## 861    164.7142857    4.024433e+01
## 862    113.7142857    2.778360e+01
## 863      0.0000000    0.000000e+00
## 864     13.1428571    3.211169e+00
## 865    114.8571429    2.806283e+01
## 866      2.4285714    5.933682e-01
## 867      0.0000000    0.000000e+00
## 868      0.2857143    6.980803e-02
## 869      0.1428571    3.490401e-02
## 870    409.2857143    1.000000e+02
## 871    400.2857143    1.000000e+02
## 872    116.2857143    2.905068e+01
## 873      0.2857143    7.137759e-02
## 874    157.0000000    3.922198e+01
## 875    108.2857143    2.705211e+01
## 876      0.0000000    0.000000e+00
## 877      0.0000000    0.000000e+00
## 878     14.8571429    3.711635e+00
## 879      3.4285714    8.565310e-01
## 880      0.1428571    3.568879e-02
## 881    108.0000000    2.625912e+01
## 882    411.2857143    1.000000e+02
## 883      0.4285714    1.042028e-01
## 884      0.0000000    0.000000e+00
## 885    124.4285714    3.025356e+01
## 886     16.1428571    3.924974e+00
## 887      3.8571429    9.378256e-01
```

```
## 888       0.0000000    0.000000e+00
## 889     158.0000000    3.841612e+01
## 890       0.4285714    1.042028e-01
## 891      16.5714286    4.181687e+00
## 892       0.0000000    0.000000e+00
## 893       0.1428571    3.604903e-02
## 894     396.2857143    1.000000e+02
## 895       3.7142857    9.372747e-01
## 896       0.2857143    7.209805e-02
## 897     106.5714286    2.689257e+01
## 898     141.1428571    3.561644e+01
## 899       0.4285714    1.081471e-01
## 900     127.4285714    3.215573e+01
## 901       0.1428571    3.667033e-02
## 902     131.5714286    3.377338e+01
## 903       0.4285714    1.100110e-01
## 904       3.7142857    9.534287e-01
## 905       0.4285714    1.100110e-01
## 906       0.0000000    0.000000e+00
## 907      17.0000000    4.363770e+00
## 908     100.5714286    2.581591e+01
## 909     135.7142857    3.483682e+01
## 910     389.5714286    1.000000e+02
## 911       0.1428571    3.585515e-02
## 912     398.4285714    1.000000e+02
## 913     135.2857143    3.395482e+01
## 914       0.4285714    1.075654e-01
## 915       0.0000000    0.000000e+00
## 916      19.2857143    4.840445e+00
## 917       0.2857143    7.171029e-02
## 918       3.7142857    9.322338e-01
## 919      99.2857143    2.491933e+01
## 920     140.0000000    3.513804e+01
## 921     396.5714286    1.000000e+02
## 922       3.4285714    8.645533e-01
## 923     143.8571429    3.627522e+01
## 924       0.2857143    7.204611e-02
## 925      98.7142857    2.489193e+01
## 926       0.0000000    0.000000e+00
## 927     129.5714286    3.267291e+01
## 928      20.1428571    5.079251e+00
## 929       0.4285714    1.080692e-01
## 930       0.1428571    3.602305e-02
## 931       0.1428571    3.597122e-02
## 932      95.4285714    2.402878e+01
## 933     150.2857143    3.784173e+01
## 934       0.4285714    1.079137e-01
## 935       0.2857143    7.194245e-02
## 936       0.0000000    0.000000e+00
## 937       3.2857143    8.273381e-01
## 938     397.1428571    1.000000e+02
## 939      22.2857143    5.611511e+00
## 940     125.0000000    3.147482e+01
## 941     160.2857143    3.845099e+01
```

```
## 942     2.4285714    5.825908e-01
## 943     0.0000000    0.000000e+00
## 944    23.5714286    5.654558e+00
## 945     0.2857143    6.854010e-02
## 946     0.7142857    1.713502e-01
## 947     0.1428571    3.427005e-02
## 948   129.5714286    3.108293e+01
## 949    99.8571429    2.395476e+01
## 950   416.8571429    1.000000e+02
## 951    22.5714286    5.418381e+00
## 952   416.5714286    1.000000e+02
## 953     0.1428571    3.429355e-02
## 954   120.8571429    2.901235e+01
## 955   100.5714286    2.414266e+01
## 956     1.1428571    2.743484e-01
## 957     0.1428571    3.429355e-02
## 958     2.7142857    6.515775e-01
## 959     0.0000000    0.000000e+00
## 960   168.4285714    4.043210e+01
## 961   174.8571429    4.115669e+01
## 962   424.8571429    1.000000e+02
## 963     0.0000000    0.000000e+00
## 964     0.4285714    1.008742e-01
## 965   100.2857143    2.360457e+01
## 966   121.4285714    2.858104e+01
## 967     2.5714286    6.052455e-01
## 968     0.0000000    0.000000e+00
## 969     1.1428571    2.689980e-01
## 970    24.1428571    5.682582e+00
## 971     0.0000000    0.000000e+00
## 972     2.2857143    5.396290e-01
## 973     0.4285714    1.011804e-01
## 974    98.7142857    2.330523e+01
## 975     1.0000000    2.360877e-01
## 976   423.5714286    1.000000e+02
## 977   181.7142857    4.290051e+01
## 978    27.0000000    6.374368e+00
## 979     0.0000000    0.000000e+00
## 980   112.4285714    2.654300e+01
## 981     1.0000000    2.448409e-01
## 982    93.0000000    2.277020e+01
## 983     2.1428571    5.246590e-01
## 984     0.7142857    1.748863e-01
## 985     0.0000000    0.000000e+00
## 986     0.0000000    0.000000e+00
## 987   181.2857143    4.438615e+01
## 988   104.1428571    2.549843e+01
## 989    26.1428571    6.400839e+00
## 990   408.4285714    1.000000e+02
## 991   405.7142857    1.000000e+02
## 992   187.7142857    4.626761e+01
## 993     1.0000000    2.464789e-01
## 994    89.5714286    2.207746e+01
## 995    26.4285714    6.514085e+00
```

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## 996        0.0000000       0.000000e+00
## 997        0.7142857       1.760563e-01
## 998        0.0000000       0.000000e+00
## 999       98.5714286       2.429577e+01
## 1000       1.7142857       4.225352e-01
## 1001       0.0000000       0.000000e+00
## 1002      97.7142857       2.381616e+01
## 1003       1.7142857       4.178273e-01
## 1004       0.0000000       0.000000e+00
## 1005     410.2857143       1.000000e+02
## 1006       0.7142857       1.740947e-01
## 1007       1.4285714       3.481894e-01
## 1008      26.5714286       6.476323e+00
## 1009      90.5714286       2.207521e+01
## 1010     191.5714286       4.669220e+01
## 1011       0.0000000       0.000000e+00
## 1012      85.2857143       2.194853e+01
## 1013     388.5714286       1.000000e+02
## 1014       1.5714286       4.044118e-01
## 1015       0.0000000       0.000000e+00
## 1016       0.8571429       2.205882e-01
## 1017      27.2857143       7.022059e+00
## 1018      83.4285714       2.147059e+01
## 1019       2.1428571       5.514706e-01
## 1020     188.0000000       4.838235e+01
## 1021     382.1428571       1.000000e+02
## 1022       2.4285714       6.355140e-01
## 1023       1.1428571       2.990654e-01
## 1024      30.4285714       7.962617e+00
## 1025       0.0000000       0.000000e+00
## 1026      78.1428571       2.044860e+01
## 1027       0.8571429       2.242991e-01
## 1028       0.0000000       0.000000e+00
## 1029     190.5714286       4.986916e+01
## 1030      78.5714286       2.056075e+01
## 1031       1.2857143       3.415560e-01
## 1032      30.5714286       8.121442e+00
## 1033      76.2857143       2.026565e+01
## 1034       0.0000000       0.000000e+00
## 1035     195.5714286       5.195446e+01
## 1036       2.7142857       7.210626e-01
## 1037      69.2857143       1.840607e+01
## 1038       0.7142857       1.897533e-01
## 1039       0.0000000       0.000000e+00
## 1040     376.4285714       1.000000e+02
## 1041      30.4285714       7.932961e+00
## 1042       0.0000000       0.000000e+00
## 1043      72.1428571       1.880819e+01
## 1044      78.1428571       2.037244e+01
## 1045       3.7142857       9.683426e-01
## 1046     383.5714286       1.000000e+02
## 1047       0.7142857       1.862197e-01
## 1048       1.5714286       4.096834e-01
## 1049     196.8571429       5.132216e+01
```

```
## 1050     0.0000000     0.000000e+00
## 1051     0.8571429     2.196997e-01
## 1052    78.1428571     2.002929e+01
## 1053     0.0000000     0.000000e+00
## 1054     0.0000000     0.000000e+00
## 1055    32.1428571     8.238740e+00
## 1056    71.0000000     1.819846e+01
## 1057   201.5714286     5.166606e+01
## 1058   390.1428571     1.000000e+02
## 1059     4.5714286     1.171732e+00
## 1060     1.8571429     4.760161e-01
## 1061    66.5714286     1.740755e+01
## 1062    33.2857143     8.703773e+00
## 1063     5.0000000     1.307434e+00
## 1064   196.0000000     5.125140e+01
## 1065   382.4285714     1.000000e+02
## 1066     0.8571429     2.241315e-01
## 1067     2.7142857     7.097497e-01
## 1068    78.0000000     2.039597e+01
## 1069     0.0000000     0.000000e+00
## 1070     0.0000000     0.000000e+00
## 1071   191.2857143     5.091255e+01
## 1072     5.0000000     1.330798e+00
## 1073    76.8571429     2.045627e+01
## 1074     0.0000000     0.000000e+00
## 1075    65.0000000     1.730038e+01
## 1076     0.0000000     0.000000e+00
## 1077     0.8571429     2.281369e-01
## 1078     2.5714286     6.844106e-01
## 1079   375.7142857     1.000000e+02
## 1080    34.1428571     9.087452e+00
## 1081     5.5714286     1.494826e+00
## 1082     1.1428571     3.066309e-01
## 1083     0.0000000     0.000000e+00
## 1084     0.0000000     0.000000e+00
## 1085    73.1428571     1.962438e+01
## 1086   372.7142857     1.000000e+02
## 1087     2.5714286     6.899195e-01
## 1088    35.2857143     9.467229e+00
## 1089   194.7142857     5.224224e+01
## 1090    60.2857143     1.617478e+01
## 1091   359.1428571     1.000000e+02
## 1092    33.5714286     9.347653e+00
## 1093     2.8571429     7.955449e-01
## 1094     6.7142857     1.869531e+00
## 1095    68.7142857     1.913286e+01
## 1096    51.2857143     1.428003e+01
## 1097     0.0000000     0.000000e+00
## 1098     1.2857143     3.579952e-01
## 1099   194.7142857     5.421639e+01
## 1100     0.0000000     0.000000e+00
## 1101   185.8571429     5.405069e+01
## 1102    46.2857143     1.346074e+01
## 1103    33.8571429     9.846282e+00
```

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## 1104       7.1428571       2.077275e+00
## 1105       0.0000000       0.000000e+00
## 1106      66.5714286       1.936020e+01
## 1107     343.8571429       1.000000e+02
## 1108       0.0000000       0.000000e+00
## 1109       3.0000000       8.724553e-01
## 1110       1.1428571       3.323639e-01
## 1111       7.5714286       2.271753e+00
## 1112       3.1428571       9.429919e-01
## 1113       0.0000000       0.000000e+00
## 1114      67.4285714       2.023146e+01
## 1115       0.1428571       4.286327e-02
## 1116      39.5714286       1.187312e+01
## 1117       1.2857143       3.857694e-01
## 1118      33.4285714       1.003000e+01
## 1119     180.7142857       5.422203e+01
## 1120     333.2857143       1.000000e+02
## 1121       2.8571429       8.818342e-01
## 1122     324.0000000       1.000000e+02
## 1123      65.7142857       2.028219e+01
## 1124      36.2857143       1.119929e+01
## 1125     177.1428571       5.467372e+01
## 1126       1.4285714       4.409171e-01
## 1127       8.0000000       2.469136e+00
## 1128      32.4285714       1.000882e+01
## 1129       0.0000000       0.000000e+00
## 1130       0.1428571       4.409171e-02
## 1131     308.8571429       1.000000e+02
## 1132       1.8571429       6.012951e-01
## 1133      29.4285714       9.528215e+00
## 1134      62.7142857       2.030527e+01
## 1135       2.0000000       6.475486e-01
## 1136       0.1428571       4.625347e-02
## 1137     171.1428571       5.541166e+01
## 1138       8.2857143       2.682701e+00
## 1139       0.0000000       0.000000e+00
## 1140      33.2857143       1.077706e+01
## 1141     168.0000000       5.541942e+01
## 1142       9.0000000       2.968897e+00
## 1143      32.4285714       1.069746e+01
## 1144     303.1428571       1.000000e+02
## 1145       0.1428571       4.712535e-02
## 1146      62.7142857       2.068803e+01
## 1147      26.8571429       8.859566e+00
## 1148       2.0000000       6.597549e-01
## 1149       2.0000000       6.597549e-01
## 1150       0.0000000       0.000000e+00
## 1151      26.1428571       8.718437e+00
## 1152       2.2857143       7.622677e-01
## 1153       9.0000000       3.001429e+00
## 1154      62.0000000       2.067651e+01
## 1155      29.7142857       9.909481e+00
## 1156       0.0000000       0.000000e+00
## 1157     299.8571429       1.000000e+02
```

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## 1158        168.2857143        5.612196e+01
## 1159          2.2857143        7.622677e-01
## 1160          0.1428571        4.764173e-02
## 1161          2.4285714        8.118434e-01
## 1162         25.8571429        8.643744e+00
## 1163          1.7142857        5.730659e-01
## 1164          0.5714286        1.910220e-01
## 1165          8.8571429        2.960840e+00
## 1166        166.2857143        5.558739e+01
## 1167         30.7142857        1.026743e+01
## 1168          0.0000000        0.000000e+00
## 1169        299.1428571        1.000000e+02
## 1170         62.7142857        2.096466e+01
## 1171         31.2857143        1.003666e+01
## 1172        170.8571429        5.481210e+01
## 1173        311.7142857        1.000000e+02
## 1174         65.8571429        2.112741e+01
## 1175          3.2857143        1.054079e+00
## 1176          2.1428571        6.874427e-01
## 1177         27.2857143        8.753437e+00
## 1178         10.2857143        3.299725e+00
## 1179          0.7142857        2.291476e-01
## 1180          0.0000000        0.000000e+00
## 1181          3.4285714        1.084011e+00
## 1182        316.2857143        1.000000e+02
## 1183          0.0000000        0.000000e+00
## 1184        173.1428571        5.474255e+01
## 1185         31.2857143        9.891599e+00
## 1186          2.8571429        9.033424e-01
## 1187         65.2857143        2.064137e+01
## 1188         12.2857143        3.884372e+00
## 1189         27.4285714        8.672087e+00
## 1190          0.5714286        1.806685e-01
## 1191         27.1428571        8.719596e+00
## 1192         13.5714286        4.359798e+00
## 1193          2.5714286        8.260670e-01
## 1194         62.8571429        2.019275e+01
## 1195          3.2857143        1.055530e+00
## 1196        174.7142857        5.612666e+01
## 1197          0.5714286        1.835704e-01
## 1198          0.0000000        0.000000e+00
## 1199        311.2857143        1.000000e+02
## 1200         26.5714286        8.536026e+00
## 1201          3.4285714        1.057269e+00
## 1202          2.8571429        8.810573e-01
## 1203        181.5714286        5.599119e+01
## 1204         29.0000000        8.942731e+00
## 1205         63.0000000        1.942731e+01
## 1206          0.5714286        1.762115e-01
## 1207          0.0000000        0.000000e+00
## 1208         29.0000000        8.942731e+00
## 1209        324.2857143        1.000000e+02
## 1210         14.8571429        4.581498e+00
## 1211         29.7142857        9.183223e+00
```

```
## 1212     2.8571429    8.830022e-01
## 1213     0.7142857    2.207506e-01
## 1214    28.5714286    8.830022e+00
## 1215   323.5714286    1.000000e+02
## 1216   181.1428571    5.598234e+01
## 1217    62.1428571    1.920530e+01
## 1218     0.0000000    0.000000e+00
## 1219     3.4285714    1.059603e+00
## 1220    15.0000000    4.635762e+00
## 1221    27.1428571    8.574007e+00
## 1222   177.0000000    5.591155e+01
## 1223    15.0000000    4.738267e+00
## 1224     0.7142857    2.256318e-01
## 1225    61.0000000    1.926895e+01
## 1226     2.5714286    8.122744e-01
## 1227   316.5714286    1.000000e+02
## 1228     0.0000000    0.000000e+00
## 1229    29.7142857    9.386282e+00
## 1230     3.4285714    1.083032e+00
## 1231    26.8571429    8.572731e+00
## 1232   313.2857143    1.000000e+02
## 1233     4.0000000    1.276790e+00
## 1234     0.7142857    2.279982e-01
## 1235   174.7142857    5.576835e+01
## 1236     2.4285714    7.751938e-01
## 1237     0.0000000    0.000000e+00
## 1238    32.0000000    1.021432e+01
## 1239    56.8571429    1.814865e+01
## 1240    15.7142857    5.015960e+00
## 1241     0.8571429    2.830189e-01
## 1242     0.0000000    0.000000e+00
## 1243    54.1428571    1.787736e+01
## 1244     2.4285714    8.018868e-01
## 1245     3.2857143    1.084906e+00
## 1246    16.1428571    5.330189e+00
## 1247    31.4285714    1.037736e+01
## 1248   170.1428571    5.617925e+01
## 1249   302.8571429    1.000000e+02
## 1250    24.4285714    8.066038e+00
## 1251   171.0000000    5.708155e+01
## 1252    51.4285714    1.716738e+01
## 1253    15.5714286    5.197902e+00
## 1254    22.4285714    7.486886e+00
## 1255     2.4285714    8.106819e-01
## 1256     1.0000000    3.338102e-01
## 1257     0.0000000    0.000000e+00
## 1258     2.4285714    8.106819e-01
## 1259    33.2857143    1.111111e+01
## 1260   299.5714286    1.000000e+02
## 1261     0.0000000    0.000000e+00
## 1262    16.1428571    5.488101e+00
## 1263     1.0000000    3.399709e-01
## 1264   294.1428571    1.000000e+02
## 1265     2.0000000    6.799417e-01
```

```
## 1266      21.8571429      7.430792e+00
## 1267      34.0000000      1.155901e+01
## 1268      51.2857143      1.743565e+01
## 1269     165.2857143      5.619233e+01
## 1270       2.5714286      8.742108e-01
## 1271     161.5714286      5.683417e+01
## 1272       1.4285714      5.025126e-01
## 1273      18.8571429      6.633166e+00
## 1274       0.0000000      0.000000e+00
## 1275      31.5714286      1.110553e+01
## 1276       2.2857143      8.040201e-01
## 1277       1.7142857      6.030151e-01
## 1278      15.5714286      5.477387e+00
## 1279      51.2857143      1.804020e+01
## 1280     284.2857143      1.000000e+02
## 1281       1.4285714      5.058169e-01
## 1282      18.0000000      6.373293e+00
## 1283      49.8571429      1.765301e+01
## 1284       0.0000000      0.000000e+00
## 1285       1.7142857      6.069803e-01
## 1286      14.8571429      5.260496e+00
## 1287     282.4285714      1.000000e+02
## 1288     161.4285714      5.715731e+01
## 1289       3.5714286      1.264542e+00
## 1290      31.5714286      1.117855e+01
## 1291      30.1428571      1.110526e+01
## 1292     271.4285714      1.000000e+02
## 1293      15.7142857      5.789474e+00
## 1294       1.5714286      5.789474e-01
## 1295      16.2857143      6.000000e+00
## 1296      46.7142857      1.721053e+01
## 1297     156.1428571      5.752632e+01
## 1298       1.4285714      5.263158e-01
## 1299       0.0000000      0.000000e+00
## 1300       3.4285714      1.263158e+00
## 1301       0.8571429      3.331483e-01
## 1302     149.2857143      5.802332e+01
## 1303       3.4285714      1.332593e+00
## 1304      27.8571429      1.082732e+01
## 1305       0.0000000      0.000000e+00
## 1306      46.0000000      1.787896e+01
## 1307      13.7142857      5.330372e+00
## 1308       1.0000000      3.886730e-01
## 1309     257.2857143      1.000000e+02
## 1310      15.1428571      5.885619e+00
## 1311      13.2857143      5.354059e+00
## 1312      42.8571429      1.727116e+01
## 1313       0.7142857      2.878526e-01
## 1314     248.1428571      1.000000e+02
## 1315       0.8571429      3.454231e-01
## 1316     146.0000000      5.883708e+01
## 1317       0.0000000      0.000000e+00
## 1318      14.7142857      5.929764e+00
## 1319       3.5714286      1.439263e+00
```

```
## 1320    26.1428571    1.053541e+01
## 1321     0.0000000    0.000000e+00
## 1322   140.4285714    6.064158e+01
## 1323    22.7142857    9.808760e+00
## 1324    39.5714286    1.708822e+01
## 1325    11.1428571    4.811845e+00
## 1326    13.1428571    5.675509e+00
## 1327     0.7142857    3.084516e-01
## 1328     3.2857143    1.418877e+00
## 1329     0.5714286    2.467613e-01
## 1330   231.5714286    1.000000e+02
## 1331   226.2857143    1.000000e+02
## 1332     0.5714286    2.525253e-01
## 1333     0.0000000    0.000000e+00
## 1334   139.5714286    6.167929e+01
## 1335    22.0000000    9.722222e+00
## 1336     0.8571429    3.787879e-01
## 1337    10.0000000    4.419192e+00
## 1338    11.1428571    4.924242e+00
## 1339    38.8571429    1.717172e+01
## 1340     3.2857143    1.452020e+00
## 1341    10.1428571    4.565916e+00
## 1342   136.4285714    6.141479e+01
## 1343     0.5714286    2.572347e-01
## 1344    10.1428571    4.565916e+00
## 1345     0.0000000    0.000000e+00
## 1346   222.1428571    1.000000e+02
## 1347     3.1428571    1.414791e+00
## 1348    22.1428571    9.967846e+00
## 1349    39.1428571    1.762058e+01
## 1350     0.4285714    1.929260e-01
## 1351    38.7142857    1.773560e+01
## 1352     0.2857143    1.308901e-01
## 1353    10.0000000    4.581152e+00
## 1354    11.2857143    5.170157e+00
## 1355   218.2857143    1.000000e+02
## 1356     1.7142857    7.853403e-01
## 1357    21.4285714    9.816754e+00
## 1358     0.5714286    2.617801e-01
## 1359     0.0000000    0.000000e+00
## 1360   134.2857143    6.151832e+01
## 1361     9.1428571    4.193971e+00
## 1362     0.0000000    0.000000e+00
## 1363   218.0000000    1.000000e+02
## 1364     0.5714286    2.621232e-01
## 1365     1.5714286    7.208388e-01
## 1366    41.0000000    1.880734e+01
## 1367   131.8571429    6.048493e+01
## 1368    21.8571429    1.002621e+01
## 1369    11.7142857    5.373526e+00
## 1370     0.2857143    1.310616e-01
## 1371     8.2857143    3.813281e+00
## 1372    22.4285714    1.032216e+01
## 1373     1.2857143    5.917160e-01
```

```
## 1374          41.1428571          1.893491e+01
## 1375          11.2857143          5.193951e+00
## 1376         132.0000000          6.074951e+01
## 1377         217.2857143          1.000000e+02
## 1378           0.5714286          2.629849e-01
## 1379           0.2857143          1.314924e-01
## 1380           0.0000000          0.000000e+00
## 1381           0.7142857          3.348962e-01
## 1382          22.8571429          1.071668e+01
## 1383         130.8571429          6.135298e+01
## 1384           0.2857143          1.339585e-01
## 1385          10.2857143          4.822505e+00
## 1386           7.8571429          3.683858e+00
## 1387           0.0000000          0.000000e+00
## 1388           0.4285714          2.009377e-01
## 1389         213.2857143          1.000000e+02
## 1390          40.0000000          1.875419e+01
## 1391           9.8571429          4.684318e+00
## 1392          42.4285714          2.016293e+01
## 1393           0.8571429          4.073320e-01
## 1394           0.0000000          0.000000e+00
## 1395           0.7142857          3.394433e-01
## 1396           0.4285714          2.036660e-01
## 1397          23.0000000          1.093007e+01
## 1398         210.4285714          1.000000e+02
## 1399         125.2857143          5.953836e+01
## 1400           7.8571429          3.733876e+00
## 1401           8.7142857          4.332386e+00
## 1402         119.0000000          5.916193e+01
## 1403           0.0000000          0.000000e+00
## 1404           9.4285714          4.687500e+00
## 1405           0.8571429          4.261364e-01
## 1406           1.5714286          7.812500e-01
## 1407         201.1428571          1.000000e+02
## 1408           0.2857143          1.420455e-01
## 1409          40.4285714          2.009943e+01
## 1410          20.8571429          1.036932e+01
## 1411           0.8571429          4.288778e-01
## 1412         199.8571429          1.000000e+02
## 1413           9.4285714          4.717655e+00
## 1414          40.0000000          2.001430e+01
## 1415          21.1428571          1.057898e+01
## 1416         117.1428571          5.861330e+01
## 1417           1.4285714          7.147963e-01
## 1418           9.5714286          4.789135e+00
## 1419           0.2857143          1.429593e-01
## 1420           0.0000000          0.000000e+00
## 1421           1.4285714          7.309942e-01
## 1422          10.0000000          5.116959e+00
## 1423           0.2857143          1.461988e-01
## 1424           0.8571429          4.385965e-01
## 1425         114.0000000          5.833333e+01
## 1426          20.7142857          1.059942e+01
## 1427           0.0000000          0.000000e+00
```

```
## 1428    195.4285714    1.000000e+02
## 1429     39.4285714    2.017544e+01
## 1430      8.7142857    4.459064e+00
## 1431      0.5714286    3.030303e-01
## 1432      1.4285714    7.575758e-01
## 1433    109.5714286    5.810606e+01
## 1434     35.7142857    1.893939e+01
## 1435    188.5714286    1.000000e+02
## 1436     20.7142857    1.098485e+01
## 1437      1.0000000    5.303030e-01
## 1438     11.7142857    6.212121e+00
## 1439      0.0000000    0.000000e+00
## 1440      7.8571429    4.166667e+00
## 1441      1.8571429    1.021210e+00
## 1442      7.8571429    4.320503e+00
## 1443    104.0000000    5.718775e+01
## 1444     18.4285714    1.013354e+01
## 1445      1.5714286    8.641005e-01
## 1446     34.8571429    1.916732e+01
## 1447      0.5714286    3.142184e-01
## 1448    181.8571429    1.000000e+02
## 1449      0.0000000    0.000000e+00
## 1450     12.7142857    6.991359e+00
## 1451      0.4285714    2.423263e-01
## 1452     14.0000000    7.915994e+00
## 1453     19.2857143    1.090468e+01
## 1454      2.4285714    1.373183e+00
## 1455     98.7142857    5.581583e+01
## 1456      1.5714286    8.885299e-01
## 1457     33.8571429    1.914378e+01
## 1458      6.5714286    3.715670e+00
## 1459    176.8571429    1.000000e+02
## 1460      0.0000000    0.000000e+00
## 1461      1.4285714    8.210181e-01
## 1462      6.0000000    3.448276e+00
## 1463     97.4285714    5.599343e+01
## 1464      0.0000000    0.000000e+00
## 1465     16.5714286    9.523810e+00
## 1466     30.4285714    1.748768e+01
## 1467     19.2857143    1.108374e+01
## 1468      2.4285714    1.395731e+00
## 1469      0.4285714    2.463054e-01
## 1470    174.0000000    1.000000e+02
## 1471      0.0000000    0.000000e+00
## 1472      0.8571429    4.918033e-01
## 1473    174.2857143    1.000000e+02
## 1474      5.4285714    3.114754e+00
## 1475     18.7142857    1.073770e+01
## 1476      2.5714286    1.475410e+00
## 1477     20.7142857    1.188525e+01
## 1478     30.8571429    1.770492e+01
## 1479     94.8571429    5.442623e+01
## 1480      0.2857143    1.639344e-01
## 1481     19.7142857    1.151920e+01
```

```
## 1482     2.7142857     1.585977e+00
## 1483     0.4285714     2.504174e-01
## 1484     0.0000000     0.000000e+00
## 1485    20.5714286     1.202003e+01
## 1486     5.1428571     3.005008e+00
## 1487   171.1428571     1.000000e+02
## 1488     0.8571429     5.008347e-01
## 1489    30.0000000     1.752922e+01
## 1490    91.7142857     5.358932e+01
## 1491    21.4285714     1.235585e+01
## 1492     0.8571429     4.942339e-01
## 1493     2.8571429     1.647446e+00
## 1494    31.1428571     1.795717e+01
## 1495    21.0000000     1.210873e+01
## 1496     4.7142857     2.718287e+00
## 1497     0.0000000     0.000000e+00
## 1498     0.4285714     2.471170e-01
## 1499   173.4285714     1.000000e+02
## 1500    91.0000000     5.247117e+01
## 1501     2.4285714     1.634615e+00
## 1502    27.0000000     1.817308e+01
## 1503     3.5714286     2.403846e+00
## 1504     0.7142857     4.807692e-01
## 1505    19.7142857     1.326923e+01
## 1506   148.5714286     1.000000e+02
## 1507    77.2857143     5.201923e+01
## 1508     0.1428571     9.615385e-02
## 1509    17.7142857     1.192308e+01
## 1510     0.0000000     0.000000e+00
## 1511     1.7142857     1.072386e+00
## 1512    81.5714286     5.102770e+01
## 1513     0.0000000     0.000000e+00
## 1514   159.8571429     1.000000e+02
## 1515    27.8571429     1.742627e+01
## 1516     0.5714286     3.574620e-01
## 1517    20.1428571     1.260054e+01
## 1518     0.1428571     8.936550e-02
## 1519    25.1428571     1.572833e+01
## 1520     2.7142857     1.697945e+00
## 1521     1.7142857     1.091902e+00
## 1522    28.7142857     1.828935e+01
## 1523     0.1428571     9.099181e-02
## 1524    26.0000000     1.656051e+01
## 1525    20.7142857     1.319381e+01
## 1526     0.5714286     3.639672e-01
## 1527   157.0000000     1.000000e+02
## 1528     0.0000000     0.000000e+00
## 1529     2.5714286     1.637853e+00
## 1530    76.5714286     4.877161e+01
## 1531   156.1428571     1.000000e+02
## 1532    21.7142857     1.390668e+01
## 1533     0.0000000     0.000000e+00
## 1534    72.1428571     4.620311e+01
## 1535    26.2857143     1.683440e+01
```

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## 1536     0.1428571     9.149131e-02
## 1537    30.5714286     1.957914e+01
## 1538     2.0000000     1.280878e+00
## 1539     2.8571429     1.829826e+00
## 1540     0.4285714     2.744739e-01
## 1541     0.1428571     9.242144e-02
## 1542    24.7142857     1.598891e+01
## 1543    69.2857143     4.482440e+01
## 1544    21.2857143     1.377079e+01
## 1545     2.0000000     1.293900e+00
## 1546     0.0000000     0.000000e+00
## 1547     0.2857143     1.848429e-01
## 1548     2.7142857     1.756007e+00
## 1549   154.5714286     1.000000e+02
## 1550    34.1428571     2.208872e+01
## 1551    36.0000000     2.314050e+01
## 1552    23.5714286     1.515152e+01
## 1553     0.0000000     0.000000e+00
## 1554     0.1428571     9.182736e-02
## 1555     0.1428571     9.182736e-02
## 1556     2.1428571     1.377410e+00
## 1557     2.4285714     1.561065e+00
## 1558   155.5714286     1.000000e+02
## 1559    22.1428571     1.423324e+01
## 1560    69.0000000     4.435262e+01
## 1561     1.8571429     1.193756e+00
## 1562    23.0000000     1.478421e+01
## 1563    70.0000000     4.499541e+01
## 1564     0.0000000     0.000000e+00
## 1565    36.4285714     2.341598e+01
## 1566     0.2857143     1.836547e-01
## 1567     2.2857143     1.469238e+00
## 1568    21.5714286     1.386593e+01
## 1569     0.1428571     9.182736e-02
## 1570   155.5714286     1.000000e+02
## 1571     0.2857143     1.611604e-01
## 1572    25.1428571     1.418211e+01
## 1573     2.7142857     1.531023e+00
## 1574   177.2857143     1.000000e+02
## 1575    78.1428571     4.407736e+01
## 1576     2.2857143     1.289283e+00
## 1577    43.5714286     2.457695e+01
## 1578     0.1428571     8.058018e-02
## 1579    25.0000000     1.410153e+01
## 1580     0.0000000     0.000000e+00
## 1581     3.1428571     1.888412e+00
## 1582    45.7142857     2.746781e+01
## 1583     2.2857143     1.373391e+00
## 1584    21.0000000     1.261803e+01
## 1585    69.2857143     4.163090e+01
## 1586     0.1428571     8.583691e-02
## 1587     0.0000000     0.000000e+00
## 1588    24.5714286     1.476395e+01
## 1589   166.4285714     1.000000e+02
```

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## 1590      0.2857143      1.716738e-01
## 1591     67.1428571      3.986429e+01
## 1592      2.5714286      1.526718e+00
## 1593     20.8571429      1.238338e+01
## 1594      0.4285714      2.544529e-01
## 1595      0.0000000      0.000000e+00
## 1596     23.0000000      1.365564e+01
## 1597      0.2857143      1.696353e-01
## 1598      3.2857143      1.950806e+00
## 1599     50.8571429      3.019508e+01
## 1600    168.4285714      1.000000e+02
## 1601     23.7142857      1.368508e+01
## 1602      0.0000000      0.000000e+00
## 1603     20.0000000      1.154163e+01
## 1604      0.1428571      8.244023e-02
## 1605      0.4285714      2.473207e-01
## 1606      2.4285714      1.401484e+00
## 1607    173.2857143      1.000000e+02
## 1608     57.5714286      3.322341e+01
## 1609      3.7142857      2.143446e+00
## 1610     65.2857143      3.767519e+01
## 1611     64.8571429      3.623304e+01
## 1612      1.8571429      1.037510e+00
## 1613     63.2857143      3.535515e+01
## 1614      0.4285714      2.394254e-01
## 1615      3.7142857      2.075020e+00
## 1616     24.4285714      1.364725e+01
## 1617     20.0000000      1.117318e+01
## 1618      0.4285714      2.394254e-01
## 1619    179.0000000      1.000000e+02
## 1620      0.0000000      0.000000e+00
## 1621     19.8571429      1.075019e+01
## 1622      2.4285714      1.314772e+00
## 1623      0.4285714      2.320186e-01
## 1624      0.0000000      0.000000e+00
## 1625     23.5714286      1.276102e+01
## 1626      0.4285714      2.320186e-01
## 1627     67.0000000      3.627224e+01
## 1628      3.4285714      1.856148e+00
## 1629    184.7142857      1.000000e+02
## 1630     67.5714286      3.658159e+01
## 1631     69.4285714      3.557833e+01
## 1632      0.4285714      2.196193e-01
## 1633    195.1428571      1.000000e+02
## 1634     21.1428571      1.083455e+01
## 1635     73.0000000      3.740849e+01
## 1636     24.1428571      1.237189e+01
## 1637      0.0000000      0.000000e+00
## 1638      0.2857143      1.464129e-01
## 1639      2.7142857      1.390922e+00
## 1640      4.0000000      2.049780e+00
## 1641      0.5714286      2.711864e-01
## 1642     70.1428571      3.328814e+01
## 1643    210.7142857      1.000000e+02
```

```
## 1644       26.2857143        1.247458e+01
## 1645       86.1428571        4.088136e+01
## 1646        0.2857143        1.355932e-01
## 1647        2.1428571        1.016949e+00
## 1648        0.0000000        0.000000e+00
## 1649       20.7142857        9.830508e+00
## 1650        4.4285714        2.101695e+00
## 1651        0.2857143        1.328904e-01
## 1652      215.0000000        1.000000e+02
## 1653       91.4285714        4.252492e+01
## 1654       25.2857143        1.176080e+01
## 1655       22.0000000        1.023256e+01
## 1656        0.0000000        0.000000e+00
## 1657        4.2857143        1.993355e+00
## 1658        2.0000000        9.302326e-01
## 1659       69.0000000        3.209302e+01
## 1660        0.7142857        3.322259e-01
## 1661        0.1428571        6.329114e-02
## 1662       23.5714286        1.044304e+01
## 1663       72.0000000        3.189873e+01
## 1664        0.0000000        0.000000e+00
## 1665        1.7142857        7.594937e-01
## 1666      102.2857143        4.531646e+01
## 1667      225.7142857        1.000000e+02
## 1668        0.8571429        3.797468e-01
## 1669       20.8571429        9.240506e+00
## 1670        4.2857143        1.898734e+00
## 1671        0.1428571        6.169031e-02
## 1672        0.8571429        3.701419e-01
## 1673      231.5714286        1.000000e+02
## 1674        3.7142857        1.603948e+00
## 1675        0.0000000        0.000000e+00
## 1676       22.8571429        9.870450e+00
## 1677      109.2857143        4.719309e+01
## 1678       71.8571429        3.103023e+01
## 1679        1.7142857        7.402838e-01
## 1680       21.1428571        9.130167e+00
## 1681      111.2857143        4.838509e+01
## 1682        4.2857143        1.863354e+00
## 1683        1.8571429        8.074534e-01
## 1684      230.0000000        1.000000e+02
## 1685        0.0000000        0.000000e+00
## 1686        0.0000000        0.000000e+00
## 1687        0.5714286        2.484472e-01
## 1688       23.7142857        1.031056e+01
## 1689       68.1428571        2.962733e+01
## 1690       20.1428571        8.757764e+00
## 1691        1.2857143        5.545287e-01
## 1692      114.8571429        4.953789e+01
## 1693        0.0000000        0.000000e+00
## 1694      231.8571429        1.000000e+02
## 1695        0.0000000        0.000000e+00
## 1696        4.5714286        1.971657e+00
## 1697       21.0000000        9.057301e+00
```

```
## 1698      0.5714286    2.464572e-01
## 1699     65.8571429    2.840419e+01
## 1700     23.7142857    1.022797e+01
## 1701      0.0000000    0.000000e+00
## 1702     20.0000000    8.739076e+00
## 1703      0.0000000    0.000000e+00
## 1704     24.0000000    1.048689e+01
## 1705      0.5714286    2.496879e-01
## 1706      1.0000000    4.369538e-01
## 1707    116.0000000    5.068664e+01
## 1708      4.5714286    1.997503e+00
## 1709    228.8571429    1.000000e+02
## 1710     62.7142857    2.740325e+01
## 1711    232.2857143    1.000000e+02
## 1712    124.2857143    5.350554e+01
## 1713     18.5714286    7.995080e+00
## 1714      0.4285714    1.845018e-01
## 1715      4.7142857    2.029520e+00
## 1716      1.1428571    4.920049e-01
## 1717     22.7142857    9.778598e+00
## 1718      0.0000000    0.000000e+00
## 1719      0.0000000    0.000000e+00
## 1720     60.4285714    2.601476e+01
## 1721     59.5714286    2.411799e+01
## 1722     20.4285714    8.270677e+00
## 1723    247.0000000    1.000000e+02
## 1724    136.8571429    5.540775e+01
## 1725     23.4285714    9.485252e+00
## 1726      0.4285714    1.735107e-01
## 1727      1.1428571    4.626952e-01
## 1728      0.0000000    0.000000e+00
## 1729      0.0000000    0.000000e+00
## 1730      5.1428571    2.082128e+00
## 1731     58.1428571    2.254848e+01
## 1732    145.7142857    5.650970e+01
## 1733      0.0000000    0.000000e+00
## 1734      0.0000000    0.000000e+00
## 1735      0.2857143    1.108033e-01
## 1736     25.4285714    9.861496e+00
## 1737     22.1428571    8.587258e+00
## 1738      4.8571429    1.883657e+00
## 1739    257.8571429    1.000000e+02
## 1740      1.2857143    4.986150e-01
## 1741      1.1428571    4.134367e-01
## 1742    163.5714286    5.917313e+01
## 1743      0.0000000    0.000000e+00
## 1744     57.7142857    2.087855e+01
## 1745    276.4285714    1.000000e+02
## 1746     22.2857143    8.062016e+00
## 1747      0.0000000    0.000000e+00
## 1748      0.2857143    1.033592e-01
## 1749     25.8571429    9.354005e+00
## 1750      5.5714286    2.015504e+00
## 1751     60.2857143    1.994329e+01
```

```
## 1752       22.1428571     7.325142e+00
## 1753      302.2857143     1.000000e+02
## 1754        0.0000000     0.000000e+00
## 1755       26.2857143     8.695652e+00
## 1756        1.1428571     3.780718e-01
## 1757      186.1428571     6.157845e+01
## 1758        6.0000000     1.984877e+00
## 1759        0.2857143     9.451796e-02
## 1760        0.0000000     0.000000e+00
## 1761      315.2857143     1.000000e+02
## 1762       27.7142857     8.790213e+00
## 1763        1.2857143     4.077934e-01
## 1764       23.4285714     7.430902e+00
## 1765       58.7142857     1.862256e+01
## 1766        0.2857143     9.062075e-02
## 1767        0.0000000     0.000000e+00
## 1768      197.4285714     6.261894e+01
## 1769        6.4285714     2.038967e+00
## 1770        0.0000000     0.000000e+00
## 1771        0.2857143     8.737440e-02
## 1772        0.0000000     0.000000e+00
## 1773        0.0000000     0.000000e+00
## 1774       58.1428571     1.778069e+01
## 1775       27.1428571     8.300568e+00
## 1776      327.0000000     1.000000e+02
## 1777        6.4285714     1.965924e+00
## 1778      210.2857143     6.430756e+01
## 1779       23.4285714     7.164701e+00
## 1780        1.2857143     3.931848e-01
## 1781        1.4285714     4.056795e-01
## 1782       28.0000000     7.951318e+00
## 1783        0.4285714     1.217039e-01
## 1784       57.8571429     1.643002e+01
## 1785       29.0000000     8.235294e+00
## 1786      352.1428571     1.000000e+02
## 1787      228.1428571     6.478702e+01
## 1788        0.0000000     0.000000e+00
## 1789        0.0000000     0.000000e+00
## 1790        7.2857143     2.068966e+00
## 1791      376.4285714     1.000000e+02
## 1792        8.4285714     2.239089e+00
## 1793      247.7142857     6.580645e+01
## 1794        0.4285714     1.138520e-01
## 1795        0.0000000     0.000000e+00
## 1796       30.0000000     7.969639e+00
## 1797        1.4285714     3.795066e-01
## 1798       29.5714286     7.855787e+00
## 1799        0.0000000     0.000000e+00
## 1800       58.8571429     1.563567e+01
## 1801       57.8571429     1.449016e+01
## 1802        1.4285714     3.577818e-01
## 1803       31.4285714     7.871199e+00
## 1804        0.0000000     0.000000e+00
## 1805        0.0000000     0.000000e+00
```

```
## 1806      269.4285714      6.747764e+01
## 1807        0.5714286      1.431127e-01
## 1808        9.2857143      2.325581e+00
## 1809      399.2857143      1.000000e+02
## 1810       29.2857143      7.334526e+00
## 1811        0.0000000      0.000000e+00
## 1812      430.1428571      1.000000e+02
## 1813        1.4285714      3.321156e-01
## 1814       58.2857143      1.355032e+01
## 1815       31.1428571      7.240120e+00
## 1816        0.0000000      0.000000e+00
## 1817      297.0000000      6.904683e+01
## 1818       30.8571429      7.173696e+00
## 1819        0.5714286      1.328462e-01
## 1820       10.8571429      2.524078e+00
## 1821       32.5714286      7.087348e+00
## 1822        0.7142857      1.554243e-01
## 1823      459.5714286      1.000000e+02
## 1824       31.2857143      6.807585e+00
## 1825      321.8571429      7.003419e+01
## 1826        0.1428571      3.108486e-02
## 1827       59.0000000      1.283805e+01
## 1828       12.4285714      2.704383e+00
## 1829        1.5714286      3.419335e-01
## 1830        0.0000000      0.000000e+00
## 1831        0.0000000      0.000000e+00
## 1832       30.7142857      6.402621e+00
## 1833       32.1428571      6.700417e+00
## 1834        0.1428571      2.977963e-02
## 1835       58.8571429      1.226921e+01
## 1836        0.7142857      1.488982e-01
## 1837      342.5714286      7.141155e+01
## 1838      479.7142857      1.000000e+02
## 1839       13.0000000      2.709946e+00
## 1840        1.5714286      3.275759e-01
## 1841        0.7142857      1.529052e-01
## 1842        1.5714286      3.363914e-01
## 1843        0.0000000      0.000000e+00
## 1844      467.1428571      1.000000e+02
## 1845       13.4285714      2.874618e+00
## 1846       31.7142857      6.788991e+00
## 1847       57.4285714      1.229358e+01
## 1848        0.1428571      3.058104e-02
## 1849       29.7142857      6.360856e+00
## 1850      332.4285714      7.116208e+01
## 1851       24.8571429      5.400372e+00
## 1852        1.2857143      2.793296e-01
## 1853       28.7142857      6.238361e+00
## 1854      460.2857143      1.000000e+02
## 1855      336.2857143      7.306021e+01
## 1856        0.1428571      3.103662e-02
## 1857        0.5714286      1.241465e-01
## 1858        0.0000000      0.000000e+00
## 1859       14.5714286      3.165736e+00
```

```
## 1860      53.8571429      1.170081e+01
## 1861      30.5714286      5.916505e+00
## 1862      52.7142857      1.020182e+01
## 1863       1.0000000      1.935306e-01
## 1864       0.0000000      0.000000e+00
## 1865     516.7142857      1.000000e+02
## 1866      15.2857143      2.958253e+00
## 1867       0.5714286      1.105889e-01
## 1868       0.1428571      2.764722e-02
## 1869      22.7142857      4.395908e+00
## 1870     393.7142857      7.619574e+01
## 1871      17.8571429      3.010597e+00
## 1872       0.4285714      7.225434e-02
## 1873       0.1428571      2.408478e-02
## 1874      51.4285714      8.670520e+00
## 1875     593.1428571      1.000000e+02
## 1876      24.1428571      4.070328e+00
## 1877       0.0000000      0.000000e+00
## 1878     469.0000000      7.907033e+01
## 1879       0.5714286      9.633911e-02
## 1880      29.5714286      4.985549e+00
## 1881      50.0000000      7.365320e+00
## 1882      26.7142857      3.935185e+00
## 1883       0.1428571      2.104377e-02
## 1884       0.4285714      6.313131e-02
## 1885     678.8571429      1.000000e+02
## 1886      33.4285714      4.924242e+00
## 1887      18.8571429      2.777778e+00
## 1888       0.5714286      8.417508e-02
## 1889     548.7142857      8.082912e+01
## 1890       0.0000000      0.000000e+00
## 1891      18.4285714      2.496613e+00
## 1892     738.1428571      1.000000e+02
## 1893       0.0000000      0.000000e+00
## 1894     609.4285714      8.256242e+01
## 1895       0.2857143      3.870718e-02
## 1896      29.1428571      3.948132e+00
## 1897       0.0000000      0.000000e+00
## 1898       0.2857143      3.870718e-02
## 1899      34.5714286      4.683569e+00
## 1900      46.0000000      6.231856e+00
## 1901       0.0000000      0.000000e+00
## 1902       0.2857143      3.494060e-02
## 1903     817.7142857      1.000000e+02
## 1904       0.1428571      1.747030e-02
## 1905      20.4285714      2.498253e+00
## 1906      30.4285714      3.721174e+00
## 1907       0.0000000      0.000000e+00
## 1908     681.4285714      8.333333e+01
## 1909      48.4285714      5.922432e+00
## 1910      36.5714286      4.472397e+00
## 1911     739.7142857      8.407209e+01
## 1912       0.0000000      0.000000e+00
## 1913       0.0000000      0.000000e+00
```

```
## 1914    0.4285714    4.870921e-02
## 1915   36.4285714    4.140283e+00
## 1916   50.7142857    5.763923e+00
## 1917  879.8571429    1.000000e+02
## 1918   31.2857143    3.555772e+00
## 1919   21.1428571    2.402987e+00
## 1920    0.1428571    1.623640e-02
## 1921   22.8571429    2.171553e+00
## 1922   56.4285714    5.361021e+00
## 1923    0.0000000    0.000000e+00
## 1924   40.0000000    3.800217e+00
## 1925 1052.5714286    1.000000e+02
## 1926    0.5714286    5.428882e-02
## 1927  891.5714286    8.470413e+01
## 1928   41.0000000    3.895223e+00
## 1929    0.0000000    0.000000e+00
## 1930    0.1428571    1.357220e-02
## 1931    0.4285714    3.826531e-02
## 1932  960.0000000    8.571429e+01
## 1933   53.5714286    4.783163e+00
## 1934    0.1428571    1.275510e-02
## 1935   24.4285714    2.181122e+00
## 1936 1120.0000000    1.000000e+02
## 1937    0.0000000    0.000000e+00
## 1938    0.1428571    1.275510e-02
## 1939   38.2857143    3.418367e+00
## 1940   43.0000000    3.839286e+00
## 1941   37.8571429    3.198938e+00
## 1942   25.5714286    2.160792e+00
## 1943   43.2857143    3.657653e+00
## 1944    0.1428571    1.207146e-02
## 1945    0.0000000    0.000000e+00
## 1946   50.8571429    4.297441e+00
## 1947    0.2857143    2.414293e-02
## 1948 1183.4285714    1.000000e+02
## 1949    0.1428571    1.207146e-02
## 1950 1025.2857143    8.663689e+01
## 1951   43.2857143    3.447491e+00
## 1952   27.7142857    2.207305e+00
## 1953   46.7142857    3.720560e+00
## 1954 1104.5714286    8.797360e+01
## 1955 1255.5714286    1.000000e+02
## 1956    0.4285714    3.413358e-02
## 1957    0.0000000    0.000000e+00
## 1958    0.1428571    1.137786e-02
## 1959   32.7142857    2.605530e+00
## 1960    0.0000000    0.000000e+00
## 1961 1209.5714286    8.893908e+01
## 1962   31.5714286    2.321429e+00
## 1963   30.0000000    2.205882e+00
## 1964    1.0000000    7.352941e-02
## 1965    0.0000000    0.000000e+00
## 1966    0.1428571    1.050420e-02
## 1967   44.7142857    3.287815e+00
```

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## 1968       0.0000000    0.000000e+00
## 1969      43.0000000    3.161765e+00
## 1970    1360.0000000    1.000000e+02
## 1971      31.7142857    2.221111e+00
## 1972    1427.8571429    1.000000e+02
## 1973      29.5714286    2.071036e+00
## 1974    1283.0000000    8.985493e+01
## 1975       0.1428571    1.000500e-02
## 1976       1.1428571    8.004002e-02
## 1977      40.8571429    2.861431e+00
## 1978       0.0000000    0.000000e+00
## 1979       0.0000000    0.000000e+00
## 1980      41.4285714    2.901451e+00
## 1981       1.1428571    7.779074e-02
## 1982       0.0000000    0.000000e+00
## 1983      32.1428571    2.187865e+00
## 1984    1323.5714286    9.009140e+01
## 1985      31.0000000    2.110074e+00
## 1986      42.1428571    2.868534e+00
## 1987       0.0000000    0.000000e+00
## 1988       0.1428571    9.723843e-03
## 1989      39.0000000    2.654609e+00
## 1990    1469.1428571    1.000000e+02
## 1991      31.7142857    2.038567e+00
## 1992      38.5714286    2.479339e+00
## 1993       0.0000000    0.000000e+00
## 1994    1555.7142857    1.000000e+02
## 1995    1422.0000000    9.140496e+01
## 1996      33.8571429    2.176309e+00
## 1997       0.0000000    0.000000e+00
## 1998      28.1428571    1.808999e+00
## 1999       1.2857143    8.264463e-02
## 2000       0.1428571    9.182736e-03
## 2001       1.2857143    7.532011e-02
## 2002       0.1428571    8.368901e-03
## 2003      26.7142857    1.564985e+00
## 2004      32.8571429    1.924847e+00
## 2005      41.0000000    2.401875e+00
## 2006       0.1428571    8.368901e-03
## 2007    1707.0000000    1.000000e+02
## 2008    1571.1428571    9.204117e+01
## 2009      33.7142857    1.975061e+00
## 2010       0.0000000    0.000000e+00
## 2011       0.0000000    0.000000e+00
## 2012    1735.8571429    9.251561e+01
## 2013      34.5714286    1.842546e+00
## 2014       0.2857143    1.522765e-02
## 2015      43.0000000    2.291762e+00
## 2016       1.2857143    6.852444e-02
## 2017      33.4285714    1.781635e+00
## 2018       0.1428571    7.613827e-03
## 2019    1876.2857143    1.000000e+02
## 2020      27.7142857    1.477082e+00
## 2021      32.5714286    1.661323e+00
```

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## 2022      27.5714286      1.406296e+00
## 2023       1.5714286      8.015156e-02
## 2024       0.2857143      1.457301e-02
## 2025      41.2857143      2.105800e+00
## 2026       0.1428571      7.286505e-03
## 2027       0.0000000      0.000000e+00
## 2028      32.5714286      1.661323e+00
## 2029    1960.5714286      1.000000e+02
## 2030    1824.5714286      9.306325e+01
## 2031      31.4285714      1.516405e+00
## 2032    2072.5714286      1.000000e+02
## 2033       0.0000000      0.000000e+00
## 2034      40.0000000      1.929970e+00
## 2035      25.2857143      1.220017e+00
## 2036       0.2857143      1.378550e-02
## 2037    1942.5714286      9.372760e+01
## 2038       0.4285714      2.067825e-02
## 2039       1.0000000      4.824924e-02
## 2040      31.5714286      1.523297e+00
## 2041      30.5714286      1.430673e+00
## 2042      24.0000000      1.123145e+00
## 2043       0.0000000      0.000000e+00
## 2044       1.5714286      7.353924e-02
## 2045    2011.5714286      9.413692e+01
## 2046       0.4285714      2.005616e-02
## 2047      29.5714286      1.383875e+00
## 2048       0.2857143      1.337077e-02
## 2049      38.8571429      1.818425e+00
## 2050    2136.8571429      1.000000e+02
## 2051    2045.8571429      9.435367e+01
## 2052      30.2857143      1.396758e+00
## 2053      38.2857143      1.765714e+00
## 2054       0.2857143      1.317697e-02
## 2055       1.4285714      6.588483e-02
## 2056      29.5714286      1.363816e+00
## 2057       0.0000000      0.000000e+00
## 2058       0.4285714      1.976545e-02
## 2059    2168.2857143      1.000000e+02
## 2060      22.1428571      1.021215e+00
## 2061    2173.0000000      9.477849e+01
## 2062      20.7142857      9.034831e-01
## 2063       1.5714286      6.854010e-02
## 2064       0.8571429      3.738551e-02
## 2065      28.8571429      1.258645e+00
## 2066    2292.7142857      1.000000e+02
## 2067      30.7142857      1.339647e+00
## 2068      36.7142857      1.601346e+00
## 2069       0.2857143      1.246184e-02
## 2070       0.0000000      0.000000e+00
## 2071    2359.8571429      1.000000e+02
## 2072      32.8571429      1.392336e+00
## 2073    2248.5714286      9.528422e+01
## 2074       0.7142857      3.026818e-02
## 2075      27.8571429      1.180459e+00
```

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## 2076       0.1428571    6.053635e-03
## 2077       1.7142857    7.264362e-02
## 2078      29.4285714    1.247049e+00
## 2079      18.4285714    7.809189e-01
## 2080       0.1428571    6.053635e-03
## 2081    2316.5714286    9.596970e+01
## 2082    2413.8571429    1.000000e+02
## 2083       0.5714286    2.367284e-02
## 2084      23.4285714    9.705865e-01
## 2085       2.0000000    8.285494e-02
## 2086      15.7142857    6.510031e-01
## 2087       0.1428571    5.918210e-03
## 2088      28.4285714    1.177724e+00
## 2089      26.8571429    1.112624e+00
## 2090       0.1428571    5.918210e-03
## 2091    2503.2857143    9.621678e+01
## 2092      27.0000000    1.037777e+00
## 2093       1.7142857    6.589062e-02
## 2094       0.1428571    5.490885e-03
## 2095      17.1428571    6.589062e-01
## 2096       0.5714286    2.196354e-02
## 2097       0.1428571    5.490885e-03
## 2098      27.4285714    1.054250e+00
## 2099      24.2857143    9.334505e-01
## 2100    2601.7142857    1.000000e+02
## 2101       0.4285714    1.591850e-02
## 2102       2.5714286    9.551098e-02
## 2103       0.1428571    5.306166e-03
## 2104      25.5714286    9.498037e-01
## 2105      23.5714286    8.755174e-01
## 2106       0.0000000    0.000000e+00
## 2107    2692.2857143    1.000000e+02
## 2108      26.0000000    9.657222e-01
## 2109      16.5714286    6.155152e-01
## 2110    2597.4285714    9.647671e+01
## 2111       0.4285714    1.571586e-02
## 2112      17.1428571    6.286343e-01
## 2113    2631.4285714    9.649536e+01
## 2114       2.4285714    8.905652e-02
## 2115      26.5714286    9.743832e-01
## 2116       0.0000000    0.000000e+00
## 2117    2727.0000000    1.000000e+02
## 2118       0.1428571    5.238619e-03
## 2119      26.0000000    9.534287e-01
## 2120      22.8571429    8.381791e-01
## 2121       0.0000000    0.000000e+00
## 2122    2751.8571429    1.000000e+02
## 2123      24.1428571    8.773296e-01
## 2124      22.2857143    8.098427e-01
## 2125       2.4285714    8.825209e-02
## 2126       0.4285714    1.557390e-02
## 2127      17.2857143    6.281472e-01
## 2128      25.1428571    9.136687e-01
## 2129    2660.0000000    9.666199e+01
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## 2130      0.1428571    5.191299e-03
## 2131   2702.1428571    9.707467e+01
## 2132     16.5714286    5.953297e-01
## 2133     21.7142857    7.800872e-01
## 2134      0.0000000    0.000000e+00
## 2135      0.0000000    0.000000e+00
## 2136     20.8571429    7.492943e-01
## 2137     20.0000000    7.185014e-01
## 2138   2783.5714286    1.000000e+02
## 2139      2.1428571    7.698229e-02
## 2140      0.1428571    5.132153e-03
## 2141      0.0000000    0.000000e+00
## 2142   2888.4285714    1.000000e+02
## 2143      2.4285714    8.407933e-02
## 2144     18.8571429    6.528513e-01
## 2145     15.7142857    5.440427e-01
## 2146      0.0000000    0.000000e+00
## 2147      0.0000000    0.000000e+00
## 2148   2814.2857143    9.743311e+01
## 2149     20.4285714    7.072556e-01
## 2150     16.7142857    5.786636e-01
## 2151     22.2857143    7.667355e-01
## 2152   2906.5714286    1.000000e+02
## 2153     15.7142857    5.406468e-01
## 2154     16.7142857    5.750516e-01
## 2155      0.0000000    0.000000e+00
## 2156      0.0000000    0.000000e+00
## 2157     15.4285714    5.308169e-01
## 2158      2.5714286    8.846948e-02
## 2159   2833.8571429    9.749828e+01
## 2160      0.0000000    0.000000e+00
## 2161   2804.0000000    9.783671e+01
## 2162     12.4285714    4.336557e-01
## 2163     13.2857143    4.635630e-01
## 2164   2866.0000000    1.000000e+02
## 2165      0.0000000    0.000000e+00
## 2166      0.0000000    0.000000e+00
## 2167     14.0000000    4.884857e-01
## 2168     19.7142857    6.878676e-01
## 2169      2.5714286    8.972186e-02
## 2170      0.0000000    0.000000e+00
## 2171   2836.7142857    1.000000e+02
## 2172     12.8571429    4.532407e-01
## 2173     14.8571429    5.237448e-01
## 2174     18.4285714    6.496450e-01
## 2175   2778.2857143    9.794027e+01
## 2176      0.0000000    0.000000e+00
## 2177      0.0000000    0.000000e+00
## 2178      0.0000000    0.000000e+00
## 2179      1.8571429    6.546810e-02
## 2180     10.4285714    3.676285e-01
## 2181      0.0000000    0.000000e+00
## 2182      1.4285714    5.026894e-02
## 2183      9.2857143    3.267481e-01
```

```
## 2184   2841.8571429   1.000000e+02
## 2185      9.8571429   3.468557e-01
## 2186   2789.0000000   9.814005e+01
## 2187     15.1428571   5.328508e-01
## 2188      0.0000000   0.000000e+00
## 2189      0.0000000   0.000000e+00
## 2190     17.1428571   6.032273e-01
## 2191   2719.0000000   9.811836e+01
## 2192     17.4285714   6.289308e-01
## 2193      9.7142857   3.505516e-01
## 2194      0.0000000   0.000000e+00
## 2195     14.7142857   5.309826e-01
## 2196   2771.1428571   1.000000e+02
## 2197      0.0000000   0.000000e+00
## 2198      1.4285714   5.155171e-02
## 2199      0.0000000   0.000000e+00
## 2200      8.8571429   3.196206e-01
## 2201   2790.4285714   1.000000e+02
## 2202     14.2857143   5.119541e-01
## 2203      1.5714286   5.631495e-02
## 2204      0.1428571   5.119541e-03
## 2205      0.0000000   0.000000e+00
## 2206      8.8571429   3.174116e-01
## 2207      7.1428571   2.559771e-01
## 2208     16.8571429   6.041059e-01
## 2209      0.0000000   0.000000e+00
## 2210   2741.5714286   9.824912e+01
## 2211     14.0000000   5.111355e-01
## 2212      8.1428571   2.972931e-01
## 2213   2739.0000000   1.000000e+02
## 2214      0.2857143   1.043134e-02
## 2215   2693.8571429   9.835185e+01
## 2216      0.0000000   0.000000e+00
## 2217      1.2857143   4.694101e-02
## 2218      6.1428571   2.242737e-01
## 2219     15.2857143   5.580765e-01
## 2220      0.0000000   0.000000e+00
## 2221   2711.5714286   1.000000e+02
## 2222      0.8571429   3.161056e-02
## 2223      6.0000000   2.212739e-01
## 2224      7.8571429   2.897634e-01
## 2225      0.0000000   0.000000e+00
## 2226      0.0000000   0.000000e+00
## 2227     11.0000000   4.056688e-01
## 2228     12.2857143   4.530847e-01
## 2229      0.2857143   1.053685e-02
## 2230   2673.2857143   9.858806e+01
## 2231      8.0000000   3.098716e-01
## 2232      6.8571429   2.656042e-01
## 2233      0.0000000   0.000000e+00
## 2234      0.0000000   0.000000e+00
## 2235     10.1428571   3.928730e-01
## 2236      0.2857143   1.106684e-02
## 2237      5.4285714   2.102700e-01
```

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## 2238     2581.7142857     1.000000e+02
## 2239        0.8571429     3.320053e-02
## 2240     2550.1428571     9.877711e+01
## 2241        8.1428571     3.355705e-01
## 2242        5.5714286     2.296008e-01
## 2243        4.5714286     1.883904e-01
## 2244     2426.5714286     1.000000e+02
## 2245     2400.8571429     9.894030e+01
## 2246        0.7142857     2.943601e-02
## 2247        0.4285714     1.766160e-02
## 2248        0.0000000     0.000000e+00
## 2249        0.0000000     0.000000e+00
## 2250        6.2857143     2.590369e-01
## 2251        4.1428571     1.798227e-01
## 2252        0.0000000     0.000000e+00
## 2253        0.7142857     3.100391e-02
## 2254        4.5714286     1.984250e-01
## 2255        6.5714286     2.852359e-01
## 2256        0.7142857     3.100391e-02
## 2257        0.0000000     0.000000e+00
## 2258     2281.4285714     9.902648e+01
## 2259     2303.8571429     1.000000e+02
## 2260        5.7142857     2.480313e-01
## 2261     2272.5714286     1.000000e+02
## 2262        0.0000000     0.000000e+00
## 2263        1.2857143     5.657531e-02
## 2264        0.0000000     0.000000e+00
## 2265     2251.5714286     9.907594e+01
## 2266        3.8571429     1.697259e-01
## 2267        4.8571429     2.137289e-01
## 2268        4.4285714     1.948705e-01
## 2269        0.7142857     3.143073e-02
## 2270        5.8571429     2.577320e-01
## 2271        4.4285714     2.113012e-01
## 2272        0.0000000     0.000000e+00
## 2273        0.0000000     0.000000e+00
## 2274     2078.0000000     9.914798e+01
## 2275        4.1428571     1.976689e-01
## 2276        0.4285714     2.044850e-02
## 2277        3.5714286     1.704042e-01
## 2278        1.2857143     6.134551e-02
## 2279     2095.8571429     1.000000e+02
## 2280        4.0000000     1.908527e-01
## 2281        0.2857143     1.524274e-02
## 2282        0.0000000     0.000000e+00
## 2283        3.1428571     1.676701e-01
## 2284        0.0000000     0.000000e+00
## 2285        2.7142857     1.448060e-01
## 2286        1.2857143     6.859233e-02
## 2287        3.4285714     1.829129e-01
## 2288        3.4285714     1.829129e-01
## 2289     1874.4285714     1.000000e+02
## 2290     1860.1428571     9.923786e+01
## 2291        3.5714286     2.149059e-01
```

```
## 2292        0.5714286        3.438494e-02
## 2293        1.2857143        7.736611e-02
## 2294        1.7142857        1.031548e-01
## 2295        0.0000000        0.000000e+00
## 2296        2.4285714        1.461360e-01
## 2297     1648.4285714        9.919195e+01
## 2298        3.8571429        2.320983e-01
## 2299     1661.8571429        1.000000e+02
## 2300        0.0000000        0.000000e+00
## 2301        3.7142857        2.425826e-01
## 2302        0.0000000        0.000000e+00
## 2303        1.7142857        1.119612e-01
## 2304     1517.1428571        9.908565e+01
## 2305        1.4285714        9.330099e-02
## 2306        0.5714286        3.732040e-02
## 2307        1.7142857        1.119612e-01
## 2308        4.1428571        2.705729e-01
## 2309        0.7142857        4.665049e-02
## 2310     1531.1428571        1.000000e+02
## 2311        1.7142857        1.139385e-01
## 2312        0.0000000        0.000000e+00
## 2313        1.8571429        1.234333e-01
## 2314        1.2857143        8.545385e-02
## 2315        1.4285714        9.494873e-02
## 2316     1486.1428571        9.877516e+01
## 2317     1504.5714286        1.000000e+02
## 2318        3.4285714        2.278769e-01
## 2319        8.1428571        5.412077e-01
## 2320        0.5714286        3.797949e-02
## 2321        9.0000000        6.086368e-01
## 2322        1.4285714        9.660902e-02
## 2323        0.4285714        2.898271e-02
## 2324        3.1428571        2.125399e-01
## 2325        1.7142857        1.159308e-01
## 2326        1.0000000        6.762632e-02
## 2327        0.0000000        0.000000e+00
## 2328        2.0000000        1.352526e-01
## 2329     1478.7142857        1.000000e+02
## 2330     1460.0000000        9.873442e+01
## 2331        1.5714286        1.067857e-01
## 2332        0.0000000        0.000000e+00
## 2333        2.0000000        1.359091e-01
## 2334        9.2857143        6.310067e-01
## 2335        3.1428571        2.135715e-01
## 2336        0.5714286        3.883118e-02
## 2337        1.4285714        9.707795e-02
## 2338     1471.5714286        1.000000e+02
## 2339     1453.1428571        9.874769e+01
## 2340        0.4285714        2.912339e-02
## 2341        0.4285714        2.928258e-02
## 2342        0.0000000        0.000000e+00
## 2343     1463.5714286        1.000000e+02
## 2344        1.4285714        9.760859e-02
## 2345        0.4285714        2.928258e-02
```

```
## 2346       1.8571429    1.268912e-01
## 2347       1.4285714    9.760859e-02
## 2348    1445.4285714    9.876037e+01
## 2349       9.4285714    6.442167e-01
## 2350       3.1428571    2.147389e-01
## 2351       1.4285714    9.373828e-02
## 2352       0.4285714    2.812148e-02
## 2353       0.0000000    0.000000e+00
## 2354       0.4285714    2.812148e-02
## 2355      15.8571429    1.040495e+00
## 2356       3.1428571    2.062242e-01
## 2357       1.4285714    9.373828e-02
## 2358    1499.7142857    9.840645e+01
## 2359    1524.0000000    1.000000e+02
## 2360       1.5714286    1.031121e-01
## 2361       1.4285714    9.447331e-02
## 2362       0.4285714    2.834199e-02
## 2363    1512.1428571    1.000000e+02
## 2364      16.1428571    1.067548e+00
## 2365       0.2857143    1.889466e-02
## 2366       1.0000000    6.613132e-02
## 2367    1488.8571429    9.846009e+01
## 2368       0.0000000    0.000000e+00
## 2369       2.5714286    1.700520e-01
## 2370       1.4285714    9.447331e-02
## 2371      16.7142857    1.121657e+00
## 2372    1467.7142857    9.849487e+01
## 2373       2.1428571    1.438021e-01
## 2374       0.7142857    4.793404e-02
## 2375       0.2857143    1.917362e-02
## 2376    1490.1428571    1.000000e+02
## 2377       0.0000000    0.000000e+00
## 2378       1.1428571    7.669447e-02
## 2379       1.2857143    8.628128e-02
## 2380       0.1428571    9.586809e-03
## 2381       0.0000000    0.000000e+00
## 2382    1415.7142857    9.869535e+01
## 2383      14.7142857    1.025794e+00
## 2384       1.5714286    1.095508e-01
## 2385    1434.4285714    1.000000e+02
## 2386       0.1428571    9.959167e-03
## 2387       0.5714286    3.983667e-02
## 2388       1.2857143    8.963251e-02
## 2389       0.0000000    0.000000e+00
## 2390       0.4285714    2.987750e-02
## 2391       1.4285714    1.003512e-01
## 2392       1.1428571    8.028098e-02
## 2393    1423.5714286    1.000000e+02
## 2394       0.4285714    3.010537e-02
## 2395       0.0000000    0.000000e+00
## 2396       0.1428571    1.003512e-02
## 2397      13.8571429    9.734069e-01
## 2398       0.0000000    0.000000e+00
## 2399    1406.2857143    9.878575e+01
```

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## 2400         0.2857143    2.007025e-02
## 2401         0.1428571    1.005834e-02
## 2402         1.1428571    8.046671e-02
## 2403      1420.2857143    1.000000e+02
## 2404         0.2857143    2.011668e-02
## 2405         0.2857143    2.011668e-02
## 2406         1.4285714    1.005834e-01
## 2407      1403.1428571    9.879300e+01
## 2408        13.8571429    9.756588e-01
## 2409         0.0000000    0.000000e+00
## 2410         0.0000000    0.000000e+00
## 2411        19.1428571    1.439313e+00
## 2412         0.4285714    3.222342e-02
## 2413         0.1428571    1.074114e-02
## 2414         0.2857143    2.148228e-02
## 2415         0.0000000    0.000000e+00
## 2416      1330.0000000    1.000000e+02
## 2417         1.1428571    8.592911e-02
## 2418      1308.1428571    9.835661e+01
## 2419         0.0000000    0.000000e+00
## 2420         0.7142857    5.370569e-02
## 2421        14.5714286    1.146325e+00
## 2422         0.2857143    2.247696e-02
## 2423      1271.1428571    1.000000e+02
## 2424         1.1428571    8.990784e-02
## 2425         1.0000000    7.866936e-02
## 2426      1253.7142857    9.862891e+01
## 2427         0.0000000    0.000000e+00
## 2428         0.1428571    1.123848e-02
## 2429         0.2857143    2.247696e-02
## 2430         0.0000000    0.000000e+00
## 2431         1.0000000    7.972665e-02
## 2432         0.5714286    4.555809e-02
## 2433         0.0000000    0.000000e+00
## 2434         0.0000000    0.000000e+00
## 2435         0.5714286    4.555809e-02
## 2436         0.4285714    3.416856e-02
## 2437      1237.2857143    9.864465e+01
## 2438        14.4285714    1.150342e+00
## 2439         0.0000000    0.000000e+00
## 2440      1254.2857143    1.000000e+02
## 2441      1217.2857143    9.871409e+01
## 2442      1233.1428571    1.000000e+02
## 2443         1.1428571    9.267841e-02
## 2444         0.5714286    4.633920e-02
## 2445        13.4285714    1.088971e+00
## 2446         0.4285714    3.475440e-02
## 2447         0.0000000    0.000000e+00
## 2448         0.0000000    0.000000e+00
## 2449         0.2857143    2.316960e-02
## 2450         0.0000000    0.000000e+00
## 2451         1.0000000    8.588957e-02
## 2452      1164.2857143    1.000000e+02
## 2453         0.0000000    0.000000e+00
```

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## 2454        0.1428571    1.226994e-02
## 2455        0.7142857    6.134969e-02
## 2456        0.0000000    0.000000e+00
## 2457       13.0000000    1.116564e+00
## 2458        0.0000000    0.000000e+00
## 2459     1148.8571429    9.867485e+01
## 2460        0.5714286    4.907975e-02
## 2461     1143.4285714    9.837758e+01
## 2462     1162.2857143    1.000000e+02
## 2463        0.0000000    0.000000e+00
## 2464        0.0000000    0.000000e+00
## 2465        1.0000000    8.603736e-02
## 2466        0.8571429    7.374631e-02
## 2467        0.2857143    2.458210e-02
## 2468        0.7142857    6.145526e-02
## 2469       16.0000000    1.376598e+00
## 2470        0.0000000    0.000000e+00
## 2471        0.0000000    0.000000e+00
## 2472        0.0000000    0.000000e+00
## 2473     1166.0000000    9.813635e+01
## 2474       19.1428571    1.611158e+00
## 2475        0.8571429    7.214140e-02
## 2476        0.2857143    2.404713e-02
## 2477        1.0000000    8.416496e-02
## 2478        0.0000000    0.000000e+00
## 2479        0.8571429    7.214140e-02
## 2480     1188.1428571    1.000000e+02
## 2481        0.7142857    6.588483e-02
## 2482        0.0000000    0.000000e+00
## 2483     1084.1428571    1.000000e+02
## 2484        0.4285714    3.953090e-02
## 2485     1064.7142857    9.820793e+01
## 2486        0.0000000    0.000000e+00
## 2487        1.0000000    9.223877e-02
## 2488       16.4285714    1.515351e+00
## 2489        0.0000000    0.000000e+00
## 2490        0.8571429    7.906180e-02
## 2491        0.0000000    0.000000e+00
## 2492       25.0000000    2.245029e+00
## 2493        0.5714286    5.131495e-02
## 2494     1086.1428571    9.753688e+01
## 2495        0.0000000    0.000000e+00
## 2496     1113.5714286    1.000000e+02
## 2497        0.7142857    6.414368e-02
## 2498        0.8571429    7.697242e-02
## 2499        0.0000000    0.000000e+00
## 2500        0.2857143    2.565747e-02
## 2501        0.0000000    0.000000e+00
## 2502        0.7142857    6.173602e-02
## 2503        0.7142857    6.173602e-02
## 2504        0.4285714    3.704161e-02
## 2505       28.0000000    2.420052e+00
## 2506        0.0000000    0.000000e+00
## 2507     1157.0000000    1.000000e+02
```

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## 2508       1.0000000      8.643042e-02
## 2509       0.0000000      0.000000e+00
## 2510    1126.1428571      9.733300e+01
## 2511       0.4285714      3.600576e-02
## 2512       1.0000000      8.401344e-02
## 2513       0.0000000      0.000000e+00
## 2514       0.8571429      7.201152e-02
## 2515       0.4285714      3.600576e-02
## 2516      28.4285714      2.388382e+00
## 2517       0.0000000      0.000000e+00
## 2518    1190.2857143      1.000000e+02
## 2519       0.0000000      0.000000e+00
## 2520    1159.1428571      9.738358e+01
## 2521    1240.2857143      9.758346e+01
## 2522       0.0000000      0.000000e+00
## 2523       0.4285714      3.371923e-02
## 2524       0.8571429      6.743846e-02
## 2525       0.8571429      6.743846e-02
## 2526       0.0000000      0.000000e+00
## 2527    1271.0000000      1.000000e+02
## 2528      28.2857143      2.225469e+00
## 2529       0.2857143      2.247949e-02
## 2530       0.0000000      0.000000e+00
## 2531    1224.0000000      9.781939e+01
## 2532       0.0000000      0.000000e+00
## 2533    1251.2857143      1.000000e+02
## 2534       0.7142857      5.708414e-02
## 2535       0.8571429      6.850097e-02
## 2536       0.2857143      2.283366e-02
## 2537       0.1428571      1.141683e-02
## 2538      25.2857143      2.020779e+00
## 2539       0.0000000      0.000000e+00
## 2540       0.0000000      0.000000e+00
## 2541      22.1428571      1.831069e+00
## 2542       0.7142857      5.906675e-02
## 2543       0.0000000      0.000000e+00
## 2544    1209.2857143      1.000000e+02
## 2545       0.0000000      0.000000e+00
## 2546       0.0000000      0.000000e+00
## 2547       0.0000000      0.000000e+00
## 2548       0.2857143      2.362670e-02
## 2549    1185.1428571      9.800354e+01
## 2550       1.0000000      8.269344e-02
## 2551       0.5714286      4.218964e-02
## 2552       0.0000000      0.000000e+00
## 2553       0.0000000      0.000000e+00
## 2554       1.5714286      1.160215e-01
## 2555    1354.4285714      1.000000e+02
## 2556       0.0000000      0.000000e+00
## 2557       0.2857143      2.109482e-02
## 2558      21.7142857      1.603206e+00
## 2559       0.0000000      0.000000e+00
## 2560    1330.2857143      9.821749e+01
## 2561       0.0000000      0.000000e+00
```

```
## 2562      12.7142857      1.006104e+00
## 2563       0.0000000      0.000000e+00
## 2564       0.5714286      4.521818e-02
## 2565    1248.4285714      9.879041e+01
## 2566       0.0000000      0.000000e+00
## 2567       1.5714286      1.243500e-01
## 2568    1263.7142857      1.000000e+02
## 2569       0.1428571      1.130454e-02
## 2570       0.2857143      2.260909e-02
## 2571    1148.5714286      9.905137e+01
## 2572       0.1428571      1.231982e-02
## 2573       1.2857143      1.108784e-01
## 2574       0.1428571      1.231982e-02
## 2575    1159.5714286      1.000000e+02
## 2576       0.1428571      1.231982e-02
## 2577       0.1428571      1.231982e-02
## 2578       9.1428571      7.884686e-01
## 2579       0.0000000      0.000000e+00
## 2580       0.0000000      0.000000e+00
## 2581       0.0000000      0.000000e+00
## 2582       1.1428571      1.056943e-01
## 2583       0.1428571      1.321178e-02
## 2584       0.1428571      1.321178e-02
## 2585       0.1428571      1.321178e-02
## 2586       8.7142857      8.059189e-01
## 2587    1081.2857143      1.000000e+02
## 2588       0.1428571      1.321178e-02
## 2589    1070.8571429      9.903554e+01
## 2590       0.0000000      0.000000e+00
## 2591       7.5714286      7.250342e-01
## 2592       0.1428571      1.367989e-02
## 2593    1035.0000000      9.911081e+01
## 2594    1044.2857143      1.000000e+02
## 2595       0.0000000      0.000000e+00
## 2596       0.1428571      1.367989e-02
## 2597       0.1428571      1.367989e-02
## 2598       0.1428571      1.367989e-02
## 2599       0.0000000      0.000000e+00
## 2600       1.1428571      1.094391e-01
## 2601       0.2857143      2.805443e-02
## 2602       0.1428571      1.402721e-02
## 2603       0.4285714      4.208164e-02
## 2604       0.1428571      1.402721e-02
## 2605    1018.4285714      1.000000e+02
## 2606       0.0000000      0.000000e+00
## 2607       1.0000000      9.819049e-02
## 2608    1009.0000000      9.907420e+01
## 2609       7.4285714      7.294151e-01
## 2610       0.0000000      0.000000e+00
## 2611       0.1428571      1.400168e-02
## 2612       0.8571429      8.401008e-02
## 2613       0.1428571      1.400168e-02
## 2614       0.0000000      0.000000e+00
## 2615       0.0000000      0.000000e+00
```

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## 2616        1011.2857143        9.911789e+01
## 2617           0.4285714        4.200504e-02
## 2618           7.1428571        7.000840e-01
## 2619        1020.2857143        1.000000e+02
## 2620           0.2857143        2.800336e-02
## 2621         983.2857143        9.930746e+01
## 2622           0.7142857        7.213966e-02
## 2623           0.1428571        1.442793e-02
## 2624           5.2857143        5.338335e-01
## 2625           0.2857143        2.885586e-02
## 2626           0.0000000        0.000000e+00
## 2627           0.2857143        2.885586e-02
## 2628         990.1428571        1.000000e+02
## 2629           0.0000000        0.000000e+00
## 2630           0.1428571        1.442793e-02
## 2631           0.0000000        0.000000e+00
## 2632         994.0000000        9.944262e+01
## 2633           0.1428571        1.429184e-02
## 2634           0.2857143        2.858368e-02
## 2635           0.0000000        0.000000e+00
## 2636           0.1428571        1.429184e-02
## 2637           0.7142857        7.145920e-02
## 2638         999.5714286        1.000000e+02
## 2639           4.2857143        4.287552e-01
## 2640           0.0000000        0.000000e+00
## 2641           0.0000000        0.000000e+00
## 2642         986.8571429        9.940999e+01
## 2643         992.7142857        1.000000e+02
## 2644           0.0000000        0.000000e+00
## 2645           0.0000000        0.000000e+00
## 2646           4.5714286        4.604979e-01
## 2647           0.5714286        5.756224e-02
## 2648           0.2857143        2.878112e-02
## 2649           0.1428571        1.439056e-02
## 2650           0.2857143        2.878112e-02
## 2651           0.0000000        0.000000e+00
## 2652         964.5714286        9.939644e+01
## 2653           0.0000000        0.000000e+00
## 2654           0.1428571        1.472104e-02
## 2655           0.5714286        5.888415e-02
## 2656         970.4285714        1.000000e+02
## 2657           0.0000000        0.000000e+00
## 2658           0.1428571        1.472104e-02
## 2659           4.2857143        4.416311e-01
## 2660           0.7142857        7.360518e-02
## 2661           0.8571429        8.986072e-02
## 2662           0.5714286        5.990714e-02
## 2663           0.0000000        0.000000e+00
## 2664         948.0000000        9.938595e+01
## 2665           0.0000000        0.000000e+00
## 2666         953.8571429        1.000000e+02
## 2667           4.2857143        4.493036e-01
## 2668           0.0000000        0.000000e+00
## 2669           0.0000000        0.000000e+00
```

```
## 2670      0.1428571    1.497679e-02
## 2671      0.0000000    0.000000e+00
## 2672      1.0000000    1.057721e-01
## 2673      0.0000000    0.000000e+00
## 2674      0.0000000    0.000000e+00
## 2675      4.2857143    4.533092e-01
## 2676    945.4285714    1.000000e+02
## 2677      0.2857143    3.022061e-02
## 2678      0.0000000    0.000000e+00
## 2679    939.8571429    9.941070e+01
## 2680      0.0000000    0.000000e+00
## 2681    954.0000000    9.940458e+01
## 2682      0.0000000    0.000000e+00
## 2683      4.2857143    4.465615e-01
## 2684      0.2857143    2.977077e-02
## 2685      0.0000000    0.000000e+00
## 2686      0.0000000    0.000000e+00
## 2687      1.1428571    1.190831e-01
## 2688      0.0000000    0.000000e+00
## 2689      0.0000000    0.000000e+00
## 2690    959.7142857    1.000000e+02
## 2691      0.0000000    0.000000e+00
## 2692      1.4285714    1.533742e-01
## 2693      3.2857143    3.527607e-01
## 2694      0.2857143    3.067485e-02
## 2695    926.2857143    9.944785e+01
## 2696      0.0000000    0.000000e+00
## 2697      0.0000000    0.000000e+00
## 2698    931.4285714    1.000000e+02
## 2699      0.1428571    1.533742e-02
## 2700      0.0000000    0.000000e+00
## 2701      0.0000000    0.000000e+00
## 2702      0.2857143    3.222169e-02
## 2703      2.1428571    2.416626e-01
## 2704      0.2857143    3.222169e-02
## 2705      1.4285714    1.611084e-01
## 2706      0.0000000    0.000000e+00
## 2707    882.5714286    9.953279e+01
## 2708      0.0000000    0.000000e+00
## 2709      0.0000000    0.000000e+00
## 2710    886.7142857    1.000000e+02
## 2711      0.0000000    0.000000e+00
## 2712      0.4285714    4.649000e-02
## 2713      0.0000000    0.000000e+00
## 2714      1.2857143    1.394700e-01
## 2715      0.0000000    0.000000e+00
## 2716    916.7142857    9.944212e+01
## 2717      0.4285714    4.649000e-02
## 2718    921.8571429    1.000000e+02
## 2719      3.0000000    3.254300e-01
## 2720      0.0000000    0.000000e+00
## 2721      0.4285714    4.489002e-02
## 2722      0.0000000    0.000000e+00
## 2723      1.0000000    1.047434e-01
```

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## 2724      0.0000000    0.000000e+00
## 2725      0.0000000    0.000000e+00
## 2726    954.7142857    1.000000e+02
## 2727      3.1428571    3.291935e-01
## 2728      0.0000000    0.000000e+00
## 2729    949.7142857    9.947628e+01
## 2730      0.4285714    4.489002e-02
## 2731      0.4285714    4.426737e-02
## 2732      0.0000000    0.000000e+00
## 2733      3.4285714    3.541390e-01
## 2734      0.4285714    4.426737e-02
## 2735      0.0000000    0.000000e+00
## 2736      0.0000000    0.000000e+00
## 2737    968.1428571    1.000000e+02
## 2738      0.0000000    0.000000e+00
## 2739      0.8571429    8.853475e-02
## 2740    963.0000000    9.946879e+01
## 2741      0.0000000    0.000000e+00
## 2742      0.4285714    4.466280e-02
## 2743      6.0000000    6.252791e-01
## 2744    959.5714286    1.000000e+02
## 2745      0.7142857    7.443799e-02
## 2746      0.4285714    4.466280e-02
## 2747      0.0000000    0.000000e+00
## 2748      0.0000000    0.000000e+00
## 2749    952.0000000    9.921096e+01
## 2750      0.0000000    0.000000e+00
## 2751      0.5714286    6.015038e-02
## 2752      0.4285714    4.511278e-02
## 2753    950.0000000    1.000000e+02
## 2754    941.2857143    9.908271e+01
## 2755      0.0000000    0.000000e+00
## 2756      0.0000000    0.000000e+00
## 2757      0.0000000    0.000000e+00
## 2758      0.4285714    4.511278e-02
## 2759      7.2857143    7.669173e-01
## 2760      0.0000000    0.000000e+00
## 2761      0.0000000    0.000000e+00
## 2762    941.7142857    9.896412e+01
## 2763      0.0000000    0.000000e+00
## 2764      0.0000000    0.000000e+00
## 2765      0.0000000    0.000000e+00
## 2766      0.2857143    3.002552e-02
## 2767      0.1428571    1.501276e-02
## 2768    951.5714286    1.000000e+02
## 2769      9.0000000    9.458039e-01
## 2770      0.4285714    4.503828e-02
## 2771      0.2857143    2.918430e-02
## 2772      0.1428571    1.459215e-02
## 2773    979.0000000    1.000000e+02
## 2774    967.2857143    9.880344e+01
## 2775     11.0000000    1.123596e+00
## 2776      0.0000000    0.000000e+00
## 2777      0.0000000    0.000000e+00
```

```
## 2778      0.2857143   2.918430e-02
## 2779      0.0000000   0.000000e+00
## 2780      0.0000000   0.000000e+00
## 2781      0.0000000   0.000000e+00
## 2782      0.2857143   2.951158e-02
## 2783    968.1428571   1.000000e+02
## 2784      0.0000000   0.000000e+00
## 2785    956.0000000   9.874576e+01
## 2786      0.4285714   4.426737e-02
## 2787     11.4285714   1.180463e+00
## 2788      0.0000000   0.000000e+00
## 2789      0.0000000   0.000000e+00
## 2790      0.0000000   0.000000e+00
## 2791      0.2857143   2.972652e-02
## 2792      0.0000000   0.000000e+00
## 2793      0.0000000   0.000000e+00
## 2794    961.1428571   1.000000e+02
## 2795    948.1428571   9.864744e+01
## 2796      0.4285714   4.458977e-02
## 2797      0.0000000   0.000000e+00
## 2798      0.0000000   0.000000e+00
## 2799      0.0000000   0.000000e+00
## 2800     12.2857143   1.278240e+00
## 2801      0.0000000   0.000000e+00
## 2802      0.2857143   3.091668e-02
## 2803      0.0000000   0.000000e+00
## 2804    924.1428571   1.000000e+02
## 2805      0.0000000   0.000000e+00
## 2806      0.0000000   0.000000e+00
## 2807     12.8571429   1.391251e+00
## 2808      0.2857143   3.091668e-02
## 2809      0.0000000   0.000000e+00
## 2810    910.7142857   9.854692e+01
## 2811    943.5714286   1.000000e+02
## 2812      0.2857143   3.028009e-02
## 2813     11.4285714   1.211204e+00
## 2814      0.0000000   0.000000e+00
## 2815      0.0000000   0.000000e+00
## 2816      0.4285714   4.542014e-02
## 2817      0.0000000   0.000000e+00
## 2818      0.0000000   0.000000e+00
## 2819    931.4285714   9.871310e+01
## 2820      0.0000000   0.000000e+00
## 2821      0.0000000   0.000000e+00
## 2822      0.4285714   4.503152e-02
## 2823      0.0000000   0.000000e+00
## 2824      0.0000000   0.000000e+00
## 2825      0.0000000   0.000000e+00
## 2826    951.7142857   1.000000e+02
## 2827      9.8571429   1.035725e+00
## 2828    941.1428571   9.888922e+01
## 2829      0.2857143   3.002101e-02
## 2830      0.0000000   0.000000e+00
## 2831    888.2857143   9.904428e+01
```

```
## 2832     0.0000000    0.000000e+00
## 2833     0.0000000    0.000000e+00
## 2834     0.0000000    0.000000e+00
## 2835     7.8571429    8.760752e-01
## 2836     0.2857143    3.185728e-02
## 2837   896.8571429    1.000000e+02
## 2838     0.0000000    0.000000e+00
## 2839     0.4285714    4.778592e-02
## 2840     0.0000000    0.000000e+00
## 2841     0.0000000    0.000000e+00
## 2842   908.5714286    1.000000e+02
## 2843     0.0000000    0.000000e+00
## 2844     0.0000000    0.000000e+00
## 2845     0.0000000    0.000000e+00
## 2846     0.2857143    3.144654e-02
## 2847     6.1428571    6.761006e-01
## 2848     0.8571429    9.433962e-02
## 2849     0.0000000    0.000000e+00
## 2850   901.2857143    9.919811e+01
## 2851     0.0000000    0.000000e+00
## 2852     0.1428571    1.583281e-02
## 2853     0.0000000    0.000000e+00
## 2854     0.0000000    0.000000e+00
## 2855     0.7142857    7.916403e-02
## 2856     0.0000000    0.000000e+00
## 2857     0.0000000    0.000000e+00
## 2858   896.5714286    9.936669e+01
## 2859   902.2857143    1.000000e+02
## 2860     4.8571429    5.383154e-01
## 2861     0.0000000    0.000000e+00
## 2862     0.1428571    1.572574e-02
## 2863   908.4285714    1.000000e+02
## 2864     0.0000000    0.000000e+00
## 2865     0.0000000    0.000000e+00
## 2866   903.4285714    9.944960e+01
## 2867     0.0000000    0.000000e+00
## 2868     0.7142857    7.862872e-02
## 2869     0.0000000    0.000000e+00
## 2870     4.1428571    4.560465e-01
## 2871     0.1428571    1.494322e-02
## 2872     0.0000000    0.000000e+00
## 2873     0.7142857    7.471608e-02
## 2874   956.0000000    1.000000e+02
## 2875   951.1428571    9.949193e+01
## 2876     0.0000000    0.000000e+00
## 2877     0.0000000    0.000000e+00
## 2878     0.0000000    0.000000e+00
## 2879     4.0000000    4.184100e-01
## 2880     0.0000000    0.000000e+00
## 2881     4.5714286    4.832377e-01
## 2882     0.7142857    7.550589e-02
## 2883   940.5714286    9.942616e+01
## 2884     0.0000000    0.000000e+00
## 2885   946.0000000    1.000000e+02
```

```
## 2886       0.0000000      0.000000e+00
## 2887       0.1428571      1.510118e-02
## 2888       0.0000000      0.000000e+00
## 2889       0.0000000      0.000000e+00
## 2890       0.0000000      0.000000e+00
## 2891     930.0000000      9.928321e+01
## 2892     936.7142857      1.000000e+02
## 2893       0.0000000      0.000000e+00
## 2894       0.0000000      0.000000e+00
## 2895       0.0000000      0.000000e+00
## 2896       5.8571429      6.252860e-01
## 2897       0.0000000      0.000000e+00
## 2898       0.0000000      0.000000e+00
## 2899       0.7142857      7.625438e-02
## 2900       0.1428571      1.525088e-02
## 2901       0.0000000      0.000000e+00
## 2902       0.0000000      0.000000e+00
## 2903       0.0000000      0.000000e+00
## 2904       1.0000000      9.903792e-02
## 2905       0.0000000      0.000000e+00
## 2906       0.0000000      0.000000e+00
## 2907       0.0000000      0.000000e+00
## 2908       6.7142857      6.649689e-01
## 2909    1009.7142857      1.000000e+02
## 2910    1002.0000000      9.923599e+01
## 2911       0.0000000      0.000000e+00
## 2912       0.0000000      0.000000e+00
## 2913    1032.2857143      1.000000e+02
## 2914       0.0000000      0.000000e+00
## 2915       0.0000000      0.000000e+00
## 2916       0.0000000      0.000000e+00
## 2917       7.0000000      6.781068e-01
## 2918       0.7142857      6.919458e-02
## 2919    1024.5714286      9.925270e+01
## 2920       0.0000000      0.000000e+00
## 2921       0.8571429      7.995736e-02
## 2922       0.0000000      0.000000e+00
## 2923       7.4285714      6.929638e-01
## 2924       0.0000000      0.000000e+00
## 2925    1063.7142857      9.922708e+01
## 2926    1072.0000000      1.000000e+02
## 2927       0.0000000      0.000000e+00
## 2928       0.0000000      0.000000e+00
## 2929       0.0000000      0.000000e+00
## 2930       0.0000000      0.000000e+00
## 2931       8.2857143      7.470376e-01
## 2932    1109.1428571      1.000000e+02
## 2933       0.0000000      0.000000e+00
## 2934       0.0000000      0.000000e+00
## 2935       0.7142857      6.439979e-02
## 2936    1100.1428571      9.918856e+01
## 2937       0.0000000      0.000000e+00
## 2938       0.0000000      0.000000e+00
## 2939       0.0000000      0.000000e+00
```

```
## 2940       0.0000000      0.000000e+00
## 2941       0.0000000      0.000000e+00
## 2942       0.0000000      0.000000e+00
## 2943       0.0000000      0.000000e+00
## 2944    1077.7142857      9.919790e+01
## 2945       0.7142857      6.574622e-02
## 2946       0.0000000      0.000000e+00
## 2947       0.0000000      0.000000e+00
## 2948       8.0000000      7.363577e-01
## 2949    1086.4285714      1.000000e+02
## 2950       0.0000000      0.000000e+00
## 2951       0.0000000      0.000000e+00
## 2952    1102.1428571      1.000000e+02
## 2953       0.0000000      0.000000e+00
## 2954       0.0000000      0.000000e+00
## 2955       0.0000000      0.000000e+00
## 2956       0.7142857      6.480881e-02
## 2957    1094.8571429      9.933895e+01
## 2958       6.5714286      5.962411e-01
## 2959       0.0000000      0.000000e+00
## 2960       0.0000000      0.000000e+00
## 2961    1123.7142857      9.939348e+01
## 2962    1130.5714286      1.000000e+02
## 2963       0.8571429      7.581501e-02
## 2964       0.0000000      0.000000e+00
## 2965       0.0000000      0.000000e+00
## 2966       0.0000000      0.000000e+00
## 2967       0.0000000      0.000000e+00
## 2968       0.0000000      0.000000e+00
## 2969       0.0000000      0.000000e+00
## 2970       6.0000000      5.307051e-01
## 2971       0.0000000      0.000000e+00
## 2972    1207.0000000      1.000000e+02
## 2973       0.0000000      0.000000e+00
## 2974       0.0000000      0.000000e+00
## 2975       0.0000000      0.000000e+00
## 2976       6.8571429      5.681146e-01
## 2977       0.0000000      0.000000e+00
## 2978       1.0000000      8.285004e-02
## 2979    1199.1428571      9.934904e+01
## 2980       0.0000000      0.000000e+00
## 2981    1250.2857143      9.935293e+01
## 2982       0.8571429      6.811216e-02
## 2983       0.0000000      0.000000e+00
## 2984       0.0000000      0.000000e+00
## 2985       7.2857143      5.789533e-01
## 2986    1258.4285714      1.000000e+02
## 2987       0.0000000      0.000000e+00
## 2988       0.0000000      0.000000e+00
## 2989       0.0000000      0.000000e+00
## 2990       0.0000000      0.000000e+00
## 2991       0.0000000      0.000000e+00
## 2992       1.0000000      7.581501e-02
## 2993       0.0000000      0.000000e+00
```

```
## 2994   1319.0000000   1.000000e+02
## 2995      0.0000000   0.000000e+00
## 2996      0.0000000   0.000000e+00
## 2997      0.0000000   0.000000e+00
## 2998   1310.7142857   9.937182e+01
## 2999      0.0000000   0.000000e+00
## 3000      7.2857143   5.523665e-01
## 3001      0.0000000   0.000000e+00
## 3002      1.1428571   8.663634e-02
## 3003   1319.1428571   1.000000e+02
## 3004      0.0000000   0.000000e+00
## 3005      0.0000000   0.000000e+00
## 3006      6.8571429   5.198181e-01
## 3007      0.0000000   0.000000e+00
## 3008   1311.1428571   9.939355e+01
## 3009      0.0000000   0.000000e+00
## 3010      0.0000000   0.000000e+00
## 3011      0.0000000   0.000000e+00
## 3012   1328.2857143   1.000000e+02
## 3013      0.0000000   0.000000e+00
## 3014      1.4285714   1.075500e-01
## 3015      0.0000000   0.000000e+00
## 3016      0.0000000   0.000000e+00
## 3017   1319.5714286   9.934394e+01
## 3018      0.0000000   0.000000e+00
## 3019      0.0000000   0.000000e+00
## 3020      7.2857143   5.485051e-01
## 3021      0.0000000   0.000000e+00
## 3022      0.0000000   0.000000e+00
## 3023   1357.2857143   1.000000e+02
## 3024   1348.0000000   9.931586e+01
## 3025      7.8571429   5.788864e-01
## 3026      0.0000000   0.000000e+00
## 3027      0.0000000   0.000000e+00
## 3028      0.0000000   0.000000e+00
## 3029      0.0000000   0.000000e+00
## 3030      1.4285714   1.052521e-01
## 3031      0.0000000   0.000000e+00
## 3032   1357.2857143   1.000000e+02
## 3033      0.0000000   0.000000e+00
## 3034      0.0000000   0.000000e+00
## 3035      1.4285714   1.052521e-01
## 3036   1348.7142857   9.936849e+01
## 3037      0.0000000   0.000000e+00
## 3038      7.1428571   5.262604e-01
## 3039      0.0000000   0.000000e+00
## 3040      0.0000000   0.000000e+00
## 3041      0.0000000   0.000000e+00
## 3042      0.0000000   0.000000e+00
## 3043   1351.1428571   9.948459e+01
## 3044   1358.1428571   1.000000e+02
## 3045      0.0000000   0.000000e+00
## 3046      1.1428571   8.414852e-02
## 3047      0.0000000   0.000000e+00
```

```
## 3048       0.0000000      0.000000e+00
## 3049       0.0000000      0.000000e+00
## 3050       5.8571429      4.312612e-01
## 3051       0.0000000      0.000000e+00
## 3052       0.0000000      0.000000e+00
## 3053       1.5714286      1.143570e-01
## 3054    1365.8571429      9.939703e+01
## 3055       6.7142857      4.886163e-01
## 3056       0.0000000      0.000000e+00
## 3057       0.0000000      0.000000e+00
## 3058    1374.1428571      1.000000e+02
## 3059       0.0000000      0.000000e+00
## 3060       0.0000000      0.000000e+00
## 3061    1355.2857143      9.940277e+01
## 3062    1363.4285714      1.000000e+02
## 3063       0.0000000      0.000000e+00
## 3064       0.0000000      0.000000e+00
## 3065       0.0000000      0.000000e+00
## 3066       0.0000000      0.000000e+00
## 3067       6.7142857      4.924560e-01
## 3068       1.4285714      1.047779e-01
## 3069       0.0000000      0.000000e+00
## 3070       0.0000000      0.000000e+00
## 3071       0.0000000      0.000000e+00
## 3072    1430.1428571      1.000000e+02
## 3073       0.0000000      0.000000e+00
## 3074    1422.0000000      9.943063e+01
## 3075       0.0000000      0.000000e+00
## 3076       0.0000000      0.000000e+00
## 3077       1.4285714      9.989012e-02
## 3078       0.0000000      0.000000e+00
## 3079       6.7142857      4.694836e-01
## 3080       0.0000000      0.000000e+00
## 3081       0.0000000      0.000000e+00
## 3082       0.0000000      0.000000e+00
## 3083       0.0000000      0.000000e+00
## 3084       1.4285714      9.651578e-02
## 3085       0.0000000      0.000000e+00
## 3086       8.1428571      5.501399e-01
## 3087    1470.5714286      9.935334e+01
## 3088       0.0000000      0.000000e+00
## 3089    1480.1428571      1.000000e+02
## 3090       0.0000000      0.000000e+00
## 3091       0.0000000      0.000000e+00
## 3092       0.0000000      0.000000e+00
## 3093       0.0000000      0.000000e+00
## 3094    1447.0000000      9.935262e+01
## 3095       8.0000000      5.492889e-01
## 3096       0.0000000      0.000000e+00
## 3097       1.4285714      9.808730e-02
## 3098       0.0000000      0.000000e+00
## 3099    1456.4285714      1.000000e+02
## 3100       0.0000000      0.000000e+00
## 3101    1440.7142857      9.934982e+01
```

```
## 3102       8.1428571      5.615210e-01
## 3103       0.0000000      0.000000e+00
## 3104    1450.1428571      1.000000e+02
## 3105       0.0000000      0.000000e+00
## 3106       0.0000000      0.000000e+00
## 3107       0.0000000      0.000000e+00
## 3108       1.2857143      8.866122e-02
## 3109       0.0000000      0.000000e+00
## 3110       0.0000000      0.000000e+00
## 3111       0.0000000      0.000000e+00
## 3112       0.0000000      0.000000e+00
## 3113       0.0000000      0.000000e+00
## 3114       1.4285714      1.014199e-01
## 3115    1408.5714286      1.000000e+02
## 3116       0.0000000      0.000000e+00
## 3117       0.0000000      0.000000e+00
## 3118       9.2857143      6.592292e-01
## 3119    1397.8571429      9.923935e+01
## 3120       0.0000000      0.000000e+00
## 3121       1.0000000      7.186121e-02
## 3122       8.2857143      5.954214e-01
## 3123       0.0000000      0.000000e+00
## 3124    1391.5714286      1.000000e+02
## 3125       0.0000000      0.000000e+00
## 3126       0.0000000      0.000000e+00
## 3127    1382.2857143      9.933272e+01
## 3128       0.0000000      0.000000e+00
## 3129       0.0000000      0.000000e+00
## 3130       0.0000000      0.000000e+00
## 3131       0.0000000      0.000000e+00
## 3132    1408.7142857      1.000000e+02
## 3133       0.0000000      0.000000e+00
## 3134       0.0000000      0.000000e+00
## 3135       0.0000000      0.000000e+00
## 3136       0.0000000      0.000000e+00
## 3137       1.0000000      7.098672e-02
## 3138       8.5714286      6.084576e-01
## 3139       0.0000000      0.000000e+00
## 3140    1399.1428571      9.932056e+01
## 3141       0.0000000      0.000000e+00
## 3142       0.0000000      0.000000e+00
## 3143       0.0000000      0.000000e+00
## 3144       9.0000000      6.869480e-01
## 3145       0.0000000      0.000000e+00
## 3146       0.8571429      6.542362e-02
## 3147       0.0000000      0.000000e+00
## 3148    1300.2857143      9.924763e+01
## 3149       0.0000000      0.000000e+00
## 3150    1310.1428571      1.000000e+02
## 3151       0.8571429      6.413683e-02
## 3152       7.8571429      5.879209e-01
## 3153       0.0000000      0.000000e+00
## 3154       0.0000000      0.000000e+00
## 3155       0.0000000      0.000000e+00
```

```
## 3156         0.0000000        0.000000e+00
## 3157      1327.7142857        9.934794e+01
## 3158      1336.4285714        1.000000e+02
## 3159         0.0000000        0.000000e+00
## 3160         0.0000000        0.000000e+00
## 3161         7.8571429        5.804137e-01
## 3162         0.0000000        0.000000e+00
## 3163         0.7142857        5.276488e-02
## 3164         0.0000000        0.000000e+00
## 3165         0.0000000        0.000000e+00
## 3166         0.0000000        0.000000e+00
## 3167      1353.7142857        1.000000e+02
## 3168         0.0000000        0.000000e+00
## 3169         0.0000000        0.000000e+00
## 3170      1345.1428571        9.936682e+01
## 3171         0.8571429        6.282723e-02
## 3172         0.0000000        0.000000e+00
## 3173      1355.0000000        9.931937e+01
## 3174         8.4285714        6.178010e-01
## 3175         0.0000000        0.000000e+00
## 3176         0.0000000        0.000000e+00
## 3177      1364.2857143        1.000000e+02
## 3178         0.0000000        0.000000e+00
## 3179         0.0000000        0.000000e+00
## 3180         0.0000000        0.000000e+00
## 3181         0.0000000        0.000000e+00
## 3182      1359.5714286        1.000000e+02
## 3183         0.0000000        0.000000e+00
## 3184         0.0000000        0.000000e+00
## 3185      1350.4285714        9.932752e+01
## 3186         0.0000000        0.000000e+00
## 3187         0.0000000        0.000000e+00
## 3188         0.7142857        5.253756e-02
## 3189         8.4285714        6.199433e-01
## 3190         0.0000000        0.000000e+00
## 3191         0.0000000        0.000000e+00
## 3192         0.0000000        0.000000e+00
## 3193      1315.5714286        9.922422e+01
## 3194         0.0000000        0.000000e+00
## 3195         0.0000000        0.000000e+00
## 3196         0.8571429        6.464821e-02
## 3197         0.0000000        0.000000e+00
## 3198      1325.8571429        1.000000e+02
## 3199         9.4285714        7.111303e-01
## 3200         0.0000000        0.000000e+00
## 3201         0.0000000        0.000000e+00
## 3202         0.0000000        0.000000e+00
## 3203         0.0000000        0.000000e+00
## 3204      1303.5714286        1.000000e+02
## 3205         0.0000000        0.000000e+00
## 3206         0.0000000        0.000000e+00
## 3207        10.1428571        7.780822e-01
## 3208         0.0000000        0.000000e+00
## 3209         1.2857143        9.863014e-02
```

```
## 3210   1292.1428571   9.912329e+01
## 3211      9.7142857   7.268840e-01
## 3212   1325.2857143   9.916622e+01
## 3213      1.4285714   1.068947e-01
## 3214      0.0000000   0.000000e+00
## 3215      0.0000000   0.000000e+00
## 3216   1336.4285714   1.000000e+02
## 3217      0.0000000   0.000000e+00
## 3218      0.0000000   0.000000e+00
## 3219      0.0000000   0.000000e+00
## 3220      0.0000000   0.000000e+00
## 3221      9.1428571   7.149240e-01
## 3222      0.0000000   0.000000e+00
## 3223      0.0000000   0.000000e+00
## 3224   1278.8571429   1.000000e+02
## 3225      0.0000000   0.000000e+00
## 3226      0.0000000   0.000000e+00
## 3227   1268.2857143   9.917337e+01
## 3228      0.0000000   0.000000e+00
## 3229      0.0000000   0.000000e+00
## 3230      1.4285714   1.117069e-01
## 3231   1238.0000000   9.918736e+01
## 3232      0.0000000   0.000000e+00
## 3233   1248.1428571   1.000000e+02
## 3234      8.7142857   6.981802e-01
## 3235      0.0000000   0.000000e+00
## 3236      1.4285714   1.144558e-01
## 3237      0.0000000   0.000000e+00
## 3238      0.0000000   0.000000e+00
## 3239      0.0000000   0.000000e+00
## 3240      0.0000000   0.000000e+00
## 3241      0.0000000   0.000000e+00
## 3242      0.0000000   0.000000e+00
## 3243      8.5714286   6.991377e-01
## 3244      0.0000000   0.000000e+00
## 3245      0.0000000   0.000000e+00
## 3246   1215.8571429   9.917269e+01
## 3247      0.0000000   0.000000e+00
## 3248      1.5714286   1.281753e-01
## 3249      0.0000000   0.000000e+00
## 3250   1226.0000000   1.000000e+02
## 3251   1177.4285714   1.000000e+02
## 3252      0.0000000   0.000000e+00
## 3253   1168.0000000   9.919922e+01
## 3254      0.0000000   0.000000e+00
## 3255      0.0000000   0.000000e+00
## 3256      0.0000000   0.000000e+00
## 3257      7.7142857   6.551808e-01
## 3258      0.0000000   0.000000e+00
## 3259      1.7142857   1.455957e-01
## 3260      0.0000000   0.000000e+00
## 3261      1.7142857   1.492723e-01
## 3262      0.0000000   0.000000e+00
## 3263      6.2857143   5.473318e-01
```

```
## 3264    1148.4285714    1.000000e+02
## 3265    1140.4285714    9.930340e+01
## 3266       0.0000000    0.000000e+00
## 3267       0.0000000    0.000000e+00
## 3268       0.0000000    0.000000e+00
## 3269       0.0000000    0.000000e+00
## 3270       0.0000000    0.000000e+00
## 3271       0.0000000    0.000000e+00
## 3272       0.0000000    0.000000e+00
## 3273       0.0000000    0.000000e+00
## 3274       0.0000000    0.000000e+00
## 3275       1.2857143    1.167618e-01
## 3276    1101.1428571    1.000000e+02
## 3277       4.8571429    4.411002e-01
## 3278    1095.0000000    9.944214e+01
## 3279       0.0000000    0.000000e+00
## 3280       0.0000000    0.000000e+00
## 3281       0.0000000    0.000000e+00
## 3282     945.8571429    1.000000e+02
## 3283     940.8571429    9.947138e+01
## 3284       0.0000000    0.000000e+00
## 3285       0.0000000    0.000000e+00
## 3286       0.0000000    0.000000e+00
## 3287       0.0000000    0.000000e+00
## 3288       1.1428571    1.208277e-01
## 3289       0.0000000    0.000000e+00
## 3290       3.8571429    4.077934e-01
## 3291       1.1428571    1.305909e-01
## 3292       0.0000000    0.000000e+00
## 3293       0.0000000    0.000000e+00
## 3294     870.0000000    9.941234e+01
## 3295       0.0000000    0.000000e+00
## 3296       4.0000000    4.570682e-01
## 3297       0.0000000    0.000000e+00
## 3298     875.1428571    1.000000e+02
## 3299       0.0000000    0.000000e+00
## 3300       0.0000000    0.000000e+00
## 3301     875.1428571    9.941577e+01
## 3302       0.0000000    0.000000e+00
## 3303       1.2857143    1.460565e-01
## 3304     880.2857143    1.000000e+02
## 3305       0.0000000    0.000000e+00
## 3306       3.8571429    4.381694e-01
## 3307       0.0000000    0.000000e+00
## 3308       0.0000000    0.000000e+00
## 3309       0.0000000    0.000000e+00
## 3310       0.0000000    0.000000e+00
## 3311     876.4285714    1.000000e+02
## 3312     871.8571429    9.947840e+01
## 3313       0.0000000    0.000000e+00
## 3314       0.0000000    0.000000e+00
## 3315       1.1428571    1.303993e-01
## 3316       0.0000000    0.000000e+00
## 3317       0.0000000    0.000000e+00
```

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## 3318       0.0000000    0.000000e+00
## 3319       3.4285714    3.911980e-01
## 3320       0.0000000    0.000000e+00
## 3321       0.0000000    0.000000e+00
## 3322       0.0000000    0.000000e+00
## 3323       2.5714286    2.825302e-01
## 3324       0.0000000    0.000000e+00
## 3325       1.7142857    1.883535e-01
## 3326       0.0000000    0.000000e+00
## 3327     910.1428571    1.000000e+02
## 3328       0.0000000    0.000000e+00
## 3329     905.8571429    9.952912e+01
## 3330       0.0000000    0.000000e+00
## 3331       0.0000000    0.000000e+00
## 3332       3.0000000    3.095519e-01
## 3333       0.0000000    0.000000e+00
## 3334       0.0000000    0.000000e+00
## 3335       0.0000000    0.000000e+00
## 3336       0.0000000    0.000000e+00
## 3337       0.0000000    0.000000e+00
## 3338     969.1428571    1.000000e+02
## 3339       3.2857143    3.390330e-01
## 3340     962.8571429    9.935142e+01
## 3341       0.0000000    0.000000e+00
## 3342    1033.4285714    1.000000e+02
## 3343       0.0000000    0.000000e+00
## 3344       0.0000000    0.000000e+00
## 3345       3.8571429    3.732375e-01
## 3346    1026.5714286    9.933647e+01
## 3347       3.0000000    2.902958e-01
## 3348       0.0000000    0.000000e+00
## 3349       0.0000000    0.000000e+00
## 3350       0.0000000    0.000000e+00
## 3351    1194.2857143    1.000000e+02
## 3352       0.0000000    0.000000e+00
## 3353       0.0000000    0.000000e+00
## 3354       3.4285714    2.870813e-01
## 3355       0.0000000    0.000000e+00
## 3356       0.0000000    0.000000e+00
## 3357       0.0000000    0.000000e+00
## 3358       5.5714286    4.665072e-01
## 3359       0.0000000    0.000000e+00
## 3360    1185.2857143    9.924641e+01
## 3361    1292.7142857    1.000000e+02
## 3362       2.4285714    1.878661e-01
## 3363       0.0000000    0.000000e+00
## 3364       0.0000000    0.000000e+00
## 3365       0.0000000    0.000000e+00
## 3366       6.4285714    4.972925e-01
## 3367       0.0000000    0.000000e+00
## 3368    1283.8571429    9.931484e+01
## 3369       0.0000000    0.000000e+00
## 3370       0.0000000    0.000000e+00
## 3371       0.0000000    0.000000e+00
```

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## 3372   1328.0000000   1.000000e+02
## 3373      0.0000000   0.000000e+00
## 3374      7.0000000   5.271084e-01
## 3375      0.0000000   0.000000e+00
## 3376      0.0000000   0.000000e+00
## 3377      0.0000000   0.000000e+00
## 3378   1318.5714286   9.929002e+01
## 3379      2.4285714   1.828744e-01
## 3380      0.0000000   0.000000e+00
## 3381      7.4285714   5.502646e-01
## 3382      0.0000000   0.000000e+00
## 3383   1350.0000000   1.000000e+02
## 3384      0.0000000   0.000000e+00
## 3385      2.2857143   1.693122e-01
## 3386   1340.2857143   9.928042e+01
## 3387      0.0000000   0.000000e+00
## 3388      0.0000000   0.000000e+00
## 3389      0.0000000   0.000000e+00
## 3390      0.0000000   0.000000e+00
## 3391      0.0000000   0.000000e+00
## 3392      9.2857143   6.725297e-01
## 3393      3.1428571   2.276255e-01
## 3394      0.0000000   0.000000e+00
## 3395      0.0000000   0.000000e+00
## 3396      0.0000000   0.000000e+00
## 3397   1380.7142857   1.000000e+02
## 3398      0.0000000   0.000000e+00
## 3399   1368.2857143   9.909984e+01
## 3400      0.0000000   0.000000e+00
## 3401   1387.1428571   1.000000e+02
## 3402      0.0000000   0.000000e+00
## 3403      0.0000000   0.000000e+00
## 3404      0.0000000   0.000000e+00
## 3405   1372.0000000   9.890834e+01
## 3406     12.5714286   9.062822e-01
## 3407      0.0000000   0.000000e+00
## 3408      2.5714286   1.853759e-01
## 3409      0.0000000   0.000000e+00
## 3410      0.0000000   0.000000e+00
## 3411      0.0000000   0.000000e+00
## 3412   1360.1428571   9.826607e+01
## 3413      0.0000000   0.000000e+00
## 3414      0.0000000   0.000000e+00
## 3415     21.7142857   1.568789e+00
## 3416      0.0000000   0.000000e+00
## 3417      2.2857143   1.651357e-01
## 3418      0.0000000   0.000000e+00
## 3419   1384.1428571   1.000000e+02
## 3420      0.0000000   0.000000e+00
## 3421      2.0000000   1.447926e-01
## 3422   1381.2857143   1.000000e+02
## 3423   1350.8571429   9.779708e+01
## 3424      0.0000000   0.000000e+00
## 3425     28.4285714   2.058124e+00
```

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## 3426        0.0000000       0.000000e+00
## 3427        0.0000000       0.000000e+00
## 3428        0.0000000       0.000000e+00
## 3429        0.0000000       0.000000e+00
## 3430        0.0000000       0.000000e+00
## 3431        0.0000000       0.000000e+00
## 3432        0.0000000       0.000000e+00
## 3433     1386.2857143       1.000000e+02
## 3434        0.0000000       0.000000e+00
## 3435        0.0000000       0.000000e+00
## 3436        0.0000000       0.000000e+00
## 3437     1347.4285714       9.719703e+01
## 3438       37.0000000       2.669002e+00
## 3439        0.0000000       0.000000e+00
## 3440        1.8571429       1.339654e-01
## 3441        0.0000000       0.000000e+00
## 3442     1377.2857143       1.000000e+02
## 3443        0.0000000       0.000000e+00
## 3444     1329.8571429       9.655637e+01
## 3445        0.0000000       0.000000e+00
## 3446       45.4285714       3.298413e+00
## 3447        2.0000000       1.452132e-01
## 3448        0.0000000       0.000000e+00
## 3449        0.0000000       0.000000e+00
## 3450        0.0000000       0.000000e+00
## 3451        0.0000000       0.000000e+00
## 3452        0.0000000       0.000000e+00
## 3453        2.1428571       1.553117e-01
## 3454     1379.7142857       1.000000e+02
## 3455        0.0000000       0.000000e+00
## 3456       52.2857143       3.789604e+00
## 3457        0.0000000       0.000000e+00
## 3458        0.0000000       0.000000e+00
## 3459     1325.2857143       9.605508e+01
## 3460        0.0000000       0.000000e+00
## 3461        1.1428571       8.154113e-02
## 3462        0.0000000       0.000000e+00
## 3463        0.0000000       0.000000e+00
## 3464     1309.2857143       9.341555e+01
## 3465        0.0000000       0.000000e+00
## 3466     1401.5714286       1.000000e+02
## 3467        0.0000000       0.000000e+00
## 3468        0.0000000       0.000000e+00
## 3469       91.1428571       6.502905e+00
## 3470        0.0000000       0.000000e+00
## 3471        0.0000000       0.000000e+00
## 3472        0.0000000       0.000000e+00
## 3473        0.0000000       0.000000e+00
## 3474      151.1428571       1.083350e+01
## 3475        0.0000000       0.000000e+00
## 3476     1242.1428571       8.903338e+01
## 3477        0.0000000       0.000000e+00
## 3478        1.8571429       1.331149e-01
## 3479     1395.1428571       1.000000e+02
```

```
## 3480        0.0000000        0.000000e+00
## 3481        0.0000000        0.000000e+00
## 3482        0.0000000        0.000000e+00
## 3483        0.0000000        0.000000e+00
## 3484        0.0000000        0.000000e+00
## 3485      279.5714286        1.879382e+01
## 3486        0.0000000        0.000000e+00
## 3487        0.0000000        0.000000e+00
## 3488     1487.5714286        1.000000e+02
## 3489        2.4285714        1.632575e-01
## 3490     1205.5714286        8.104293e+01
## 3491     1185.0000000        7.375956e+01
## 3492        0.0000000        0.000000e+00
## 3493     1606.5714286        1.000000e+02
## 3494      419.0000000        2.608038e+01
## 3495        0.0000000        0.000000e+00
## 3496        0.0000000        0.000000e+00
## 3497        0.0000000        0.000000e+00
## 3498        0.0000000        0.000000e+00
## 3499        0.0000000        0.000000e+00
## 3500        2.5714286        1.600569e-01
## 3501        0.0000000        0.000000e+00
## 3502      562.5714286        3.302306e+01
## 3503        0.0000000        0.000000e+00
## 3504        0.0000000        0.000000e+00
## 3505     1703.5714286        1.000000e+02
## 3506        0.0000000        0.000000e+00
## 3507        2.5714286        1.509434e-01
## 3508        0.0000000        0.000000e+00
## 3509        0.0000000        0.000000e+00
## 3510     1138.4285714        6.682600e+01
## 3511        0.0000000        0.000000e+00
## 3512        2.7142857        1.489612e-01
## 3513        0.0000000        0.000000e+00
## 3514     1119.0000000        6.141121e+01
## 3515        0.0000000        0.000000e+00
## 3516        0.0000000        0.000000e+00
## 3517      700.4285714        3.843983e+01
## 3518     1822.1428571        1.000000e+02
## 3519        0.0000000        0.000000e+00
## 3520        0.0000000        0.000000e+00
## 3521        2.8571429        1.526019e-01
## 3522        0.0000000        0.000000e+00
## 3523        0.0000000        0.000000e+00
## 3524        0.0000000        0.000000e+00
## 3525     1088.1428571        5.811842e+01
## 3526        0.0000000        0.000000e+00
## 3527        0.0000000        0.000000e+00
## 3528      781.2857143        4.172898e+01
## 3529        0.0000000        0.000000e+00
## 3530     1872.2857143        1.000000e+02
## 3531        0.0000000        0.000000e+00
## 3532     1973.0000000        1.000000e+02
## 3533        2.8571429        1.448121e-01
```

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## 3534        948.4285714        4.807038e+01
## 3535          0.0000000        0.000000e+00
## 3536          0.0000000        0.000000e+00
## 3537          0.0000000        0.000000e+00
## 3538          0.0000000        0.000000e+00
## 3539       1021.7142857        5.178481e+01
## 3540          0.0000000        0.000000e+00
## 3541          0.0000000        0.000000e+00
## 3542          4.2857143        1.819284e-01
## 3543          0.0000000        0.000000e+00
## 3544       2355.7142857        1.000000e+02
## 3545          0.0000000        0.000000e+00
## 3546          0.0000000        0.000000e+00
## 3547          0.0000000        0.000000e+00
## 3548       1462.8571429        6.209824e+01
## 3549          0.0000000        0.000000e+00
## 3550        888.5714286        3.771983e+01
## 3551          0.0000000        0.000000e+00
## 3552          4.5714286        1.601521e-01
## 3553          0.0000000        0.000000e+00
## 3554       2032.0000000        7.118763e+01
## 3555          0.0000000        0.000000e+00
## 3556          0.0000000        0.000000e+00
## 3557       2854.4285714        1.000000e+02
## 3558          0.0000000        0.000000e+00
## 3559          0.0000000        0.000000e+00
## 3560        817.8571429        2.865222e+01
## 3561          0.0000000        0.000000e+00
## 3562          0.0000000        0.000000e+00
## 3563          0.0000000        0.000000e+00
## 3564        740.1428571        2.335467e+01
## 3565       3169.1428571        1.000000e+02
## 3566          0.0000000        0.000000e+00
## 3567          0.0000000        0.000000e+00
## 3568          5.7142857        1.803101e-01
## 3569          0.0000000        0.000000e+00
## 3570       2423.2857143        7.646502e+01
## 3571          0.0000000        0.000000e+00
## 3572          0.0000000        0.000000e+00
## 3573          0.0000000        0.000000e+00
## 3574          0.0000000        0.000000e+00
## 3575       3019.5714286        1.000000e+02
## 3576          0.0000000        0.000000e+00
## 3577          6.2857143        2.081658e-01
## 3578       2399.1428571        7.945309e+01
## 3579          0.0000000        0.000000e+00
## 3580        614.1428571        2.033874e+01
## 3581          0.0000000        0.000000e+00
## 3582       2820.1428571        1.000000e+02
## 3583          0.0000000        0.000000e+00
## 3584          0.0000000        0.000000e+00
## 3585          0.0000000        0.000000e+00
## 3586          0.0000000        0.000000e+00
## 3587          0.0000000        0.000000e+00
```

```
## 3588     518.1428571    1.837293e+01
## 3589    2296.1428571    8.141938e+01
## 3590       5.8571429    2.076896e-01
## 3591       0.0000000    0.000000e+00
## 3592       6.1428571    2.074689e-01
## 3593     498.7142857    1.684358e+01
## 3594    2456.0000000    8.294895e+01
## 3595       0.0000000    0.000000e+00
## 3596       0.0000000    0.000000e+00
## 3597       0.0000000    0.000000e+00
## 3598    2960.8571429    1.000000e+02
## 3599       0.0000000    0.000000e+00
## 3600       0.0000000    0.000000e+00
## 3601    3278.5714286    1.000000e+02
## 3602       0.0000000    0.000000e+00
## 3603    2823.5714286    8.612200e+01
## 3604       9.4285714    2.875817e-01
## 3605       0.0000000    0.000000e+00
## 3606       0.0000000    0.000000e+00
## 3607       0.0000000    0.000000e+00
## 3608       0.0000000    0.000000e+00
## 3609     445.5714286    1.359041e+01
## 3610       0.0000000    0.000000e+00
## 3611    3037.1428571    1.000000e+02
## 3612       0.0000000    0.000000e+00
## 3613       0.0000000    0.000000e+00
## 3614      10.0000000    3.292568e-01
## 3615       0.0000000    0.000000e+00
## 3616     337.2857143    1.110536e+01
## 3617    2689.8571429    8.856538e+01
## 3618       0.0000000    0.000000e+00
## 3619       0.0000000    0.000000e+00
## 3620       0.0000000    0.000000e+00
## 3621       0.0000000    0.000000e+00
## 3622       0.0000000    0.000000e+00
## 3623    2252.5714286    8.998459e+01
## 3624     237.1428571    9.473264e+00
## 3625      13.5714286    5.421446e-01
## 3626       0.0000000    0.000000e+00
## 3627    2503.2857143    1.000000e+02
## 3628       0.0000000    0.000000e+00
## 3629       0.0000000    0.000000e+00
## 3630       0.0000000    0.000000e+00
## 3631    2237.7142857    1.000000e+02
## 3632      14.5714286    6.511747e-01
## 3633       0.0000000    0.000000e+00
## 3634       0.0000000    0.000000e+00
## 3635     180.0000000    8.043922e+00
## 3636       0.0000000    0.000000e+00
## 3637    2043.1428571    9.130490e+01
## 3638       0.0000000    0.000000e+00
## 3639       0.0000000    0.000000e+00
## 3640       0.0000000    0.000000e+00
## 3641    2259.5714286    1.000000e+02
```

```
## 3642       0.0000000    0.000000e+00
## 3643     165.0000000    7.302270e+00
## 3644      14.1428571    6.259088e-01
## 3645       0.0000000    0.000000e+00
## 3646       0.0000000    0.000000e+00
## 3647    2080.4285714    9.207182e+01
## 3648       0.0000000    0.000000e+00
## 3649       0.0000000    0.000000e+00
## 3650       0.0000000    0.000000e+00
## 3651       0.0000000    0.000000e+00
## 3652       0.0000000    0.000000e+00
## 3653     162.8571429    7.103246e+00
## 3654      14.5714286    6.355536e-01
## 3655       0.0000000    0.000000e+00
## 3656       0.0000000    0.000000e+00
## 3657    2115.2857143    9.226120e+01
## 3658       0.0000000    0.000000e+00
## 3659    2292.7142857    1.000000e+02
## 3660       0.0000000    0.000000e+00
## 3661    2228.0000000    1.000000e+02
## 3662       0.0000000    0.000000e+00
## 3663       0.0000000    0.000000e+00
## 3664      14.4285714    6.476019e-01
## 3665       0.0000000    0.000000e+00
## 3666       0.0000000    0.000000e+00
## 3667     140.2857143    6.296486e+00
## 3668    2073.2857143    9.305591e+01
## 3669       0.0000000    0.000000e+00
## 3670       0.0000000    0.000000e+00
## 3671       0.0000000    0.000000e+00
## 3672      12.0000000    5.828476e-01
## 3673    1949.2857143    9.467805e+01
## 3674       0.0000000    0.000000e+00
## 3675       0.0000000    0.000000e+00
## 3676       0.0000000    0.000000e+00
## 3677       0.0000000    0.000000e+00
## 3678    2058.8571429    1.000000e+02
## 3679      97.5714286    4.739106e+00
## 3680       0.0000000    0.000000e+00
## 3681       0.0000000    0.000000e+00
## 3682       0.0000000    0.000000e+00
## 3683       0.0000000    0.000000e+00
## 3684       0.0000000    0.000000e+00
## 3685       9.2857143    4.353359e-01
## 3686       0.0000000    0.000000e+00
## 3687    2040.7142857    9.567343e+01
## 3688      83.0000000    3.891233e+00
## 3689    2133.0000000    1.000000e+02
## 3690       0.0000000    0.000000e+00
## 3691       0.0000000    0.000000e+00
## 3692    1944.1428571    9.625831e+01
## 3693       0.0000000    0.000000e+00
## 3694      70.5714286    3.494129e+00
## 3695       5.0000000    2.475598e-01
```

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```
## 3696   2019.7142857   1.000000e+02
## 3697      0.0000000   0.000000e+00
## 3698      0.0000000   0.000000e+00
## 3699      0.0000000   0.000000e+00
## 3700      0.0000000   0.000000e+00
## 3701      0.0000000   0.000000e+00
## 3702      0.0000000   0.000000e+00
## 3703      0.0000000   0.000000e+00
## 3704      0.0000000   0.000000e+00
## 3705      0.0000000   0.000000e+00
## 3706   1823.5714286   9.669722e+01
## 3707     59.4285714   3.151276e+00
## 3708      2.8571429   1.515037e-01
## 3709   1885.8571429   1.000000e+02
## 3710      0.0000000   0.000000e+00
## 3711      0.0000000   0.000000e+00
## 3712      0.0000000   0.000000e+00
## 3713      0.0000000   0.000000e+00
## 3714   1883.0000000   9.696189e+01
## 3715      0.0000000   0.000000e+00
## 3716   1942.0000000   1.000000e+02
## 3717     56.0000000   2.883625e+00
## 3718      3.0000000   1.544799e-01
## 3719      0.0000000   0.000000e+00
## 3720      0.0000000   0.000000e+00
## 3721      0.0000000   0.000000e+00
## 3722      2.7142857   1.384335e-01
## 3723     54.0000000   2.754098e+00
## 3724      0.0000000   0.000000e+00
## 3725   1960.7142857   1.000000e+02
## 3726   1904.0000000   9.710747e+01
## 3727      0.0000000   0.000000e+00
## 3728      0.0000000   0.000000e+00
## 3729      0.0000000   0.000000e+00
## 3730      0.0000000   0.000000e+00
## 3731      0.0000000   0.000000e+00
## 3732   1842.1428571   1.000000e+02
## 3733      2.2857143   1.240791e-01
## 3734      0.0000000   0.000000e+00
## 3735      0.0000000   0.000000e+00
## 3736   1788.8571429   9.710741e+01
## 3737     51.0000000   2.768515e+00
## 3738      0.0000000   0.000000e+00
## 3739      0.0000000   0.000000e+00
## 3740      0.0000000   0.000000e+00
## 3741      0.0000000   0.000000e+00
## 3742      0.0000000   0.000000e+00
## 3743      0.0000000   0.000000e+00
## 3744      0.0000000   0.000000e+00
## 3745   1472.1428571   9.749290e+01
## 3746     36.1428571   2.393567e+00
## 3747      0.0000000   0.000000e+00
## 3748      0.0000000   0.000000e+00
## 3749      1.7142857   1.135289e-01
```

```
## 3750   1510.0000000   1.000000e+02
## 3751   1190.8571429   9.763411e+01
## 3752      0.0000000   0.000000e+00
## 3753      1.5714286   1.288358e-01
## 3754      0.0000000   0.000000e+00
## 3755     27.2857143   2.237058e+00
## 3756   1219.7142857   1.000000e+02
## 3757      0.0000000   0.000000e+00
## 3758      0.0000000   0.000000e+00
## 3759      0.0000000   0.000000e+00
## 3760      0.0000000   0.000000e+00
## 3761      0.0000000   0.000000e+00
## 3762      0.0000000   0.000000e+00
## 3763   1221.8571429   9.795007e+01
## 3764     23.4285714   1.878149e+00
## 3765   1247.4285714   1.000000e+02
## 3766      0.0000000   0.000000e+00
## 3767      2.1428571   1.717820e-01
## 3768      0.0000000   0.000000e+00
## 3769      0.0000000   0.000000e+00
## 3770      0.0000000   0.000000e+00
## 3771      0.0000000   0.000000e+00
## 3772      0.0000000   0.000000e+00
## 3773      0.0000000   0.000000e+00
## 3774   1182.0000000   9.814947e+01
## 3775      0.0000000   0.000000e+00
## 3776      0.0000000   0.000000e+00
## 3777      0.0000000   0.000000e+00
## 3778      2.1428571   1.779359e-01
## 3779   1204.2857143   1.000000e+02
## 3780     20.1428571   1.672598e+00
## 3781      0.0000000   0.000000e+00
## 3782     17.2857143   1.453453e+00
## 3783      0.0000000   0.000000e+00
## 3784      0.0000000   0.000000e+00
## 3785      2.0000000   1.681682e-01
## 3786   1189.2857143   1.000000e+02
## 3787      0.0000000   0.000000e+00
## 3788      0.0000000   0.000000e+00
## 3789   1170.0000000   9.837838e+01
## 3790      0.0000000   0.000000e+00
## 3791      0.0000000   0.000000e+00
## 3792      2.0000000   1.574095e-01
## 3793      0.0000000   0.000000e+00
## 3794     16.0000000   1.259276e+00
## 3795   1270.5714286   1.000000e+02
## 3796      0.0000000   0.000000e+00
## 3797   1252.5714286   9.858331e+01
## 3798      0.0000000   0.000000e+00
## 3799      0.0000000   0.000000e+00
## 3800      0.0000000   0.000000e+00
## 3801      0.0000000   0.000000e+00
## 3802      0.0000000   0.000000e+00
## 3803   1367.4285714   1.000000e+02
```

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## 3804          0.0000000          0.000000e+00
## 3805          0.0000000          0.000000e+00
## 3806          0.0000000          0.000000e+00
## 3807          2.0000000          1.462599e-01
## 3808       1350.1428571          9.873590e+01
## 3809         15.2857143          1.117844e+00
## 3810          0.0000000          0.000000e+00
## 3811       1504.0000000          9.891948e+01
## 3812          0.0000000          0.000000e+00
## 3813          0.0000000          0.000000e+00
## 3814          0.0000000          0.000000e+00
## 3815         14.1428571          9.301889e-01
## 3816          0.0000000          0.000000e+00
## 3817          0.0000000          0.000000e+00
## 3818          0.0000000          0.000000e+00
## 3819          2.2857143          1.503336e-01
## 3820       1520.4285714          1.000000e+02
## 3821          0.0000000          0.000000e+00
## 3822          0.0000000          0.000000e+00
## 3823          0.0000000          0.000000e+00
## 3824         14.5714286          9.055398e-01
## 3825          0.0000000          0.000000e+00
## 3826          2.8571429          1.775568e-01
## 3827          0.0000000          0.000000e+00
## 3828          0.0000000          0.000000e+00
## 3829       1609.1428571          1.000000e+02
## 3830       1591.7142857          9.891690e+01
## 3831          0.0000000          0.000000e+00
## 3832          0.0000000          0.000000e+00
## 3833       1587.4285714          1.000000e+02
## 3834       1573.4285714          9.911807e+01
## 3835          0.0000000          0.000000e+00
## 3836          2.0000000          1.259899e-01
## 3837          0.0000000          0.000000e+00
## 3838          0.0000000          0.000000e+00
## 3839          0.0000000          0.000000e+00
## 3840         12.0000000          7.559395e-01
## 3841          0.0000000          0.000000e+00
## 3842          0.0000000          0.000000e+00
## 3843         11.8571429          7.551633e-01
## 3844          0.0000000          0.000000e+00
## 3845          0.0000000          0.000000e+00
## 3846          0.0000000          0.000000e+00
## 3847          0.0000000          0.000000e+00
## 3848       1570.1428571          1.000000e+02
## 3849          1.7142857          1.091802e-01
## 3850       1556.5714286          9.913566e+01
## 3851         10.4285714          6.844178e-01
## 3852          0.0000000          0.000000e+00
## 3853          0.0000000          0.000000e+00
## 3854          0.0000000          0.000000e+00
## 3855          0.0000000          0.000000e+00
## 3856       1523.7142857          1.000000e+02
## 3857          2.0000000          1.312582e-01
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## 3858          0.0000000          0.000000e+00
## 3859          0.0000000          0.000000e+00
## 3860       1511.2857143          9.918432e+01
## 3861          9.2857143          6.033043e-01
## 3862          0.0000000          0.000000e+00
## 3863       1528.0000000          9.927603e+01
## 3864          0.0000000          0.000000e+00
## 3865          0.0000000          0.000000e+00
## 3866          0.0000000          0.000000e+00
## 3867          0.0000000          0.000000e+00
## 3868          1.8571429          1.206609e-01
## 3869       1539.1428571          1.000000e+02
## 3870          0.0000000          0.000000e+00
## 3871          0.0000000          0.000000e+00
## 3872          0.0000000          0.000000e+00
## 3873          0.0000000          0.000000e+00
## 3874          1.8571429          1.281672e-01
## 3875          0.0000000          0.000000e+00
## 3876       1449.0000000          1.000000e+02
## 3877          0.0000000          0.000000e+00
## 3878          0.0000000          0.000000e+00
## 3879       1438.4285714          9.927043e+01
## 3880          8.7142857          6.014000e-01
## 3881          0.0000000          0.000000e+00
## 3882          0.0000000          0.000000e+00
## 3883          0.0000000          0.000000e+00
## 3884       1362.7142857          1.000000e+02
## 3885          7.0000000          5.136807e-01
## 3886          0.0000000          0.000000e+00
## 3887          0.1428571          1.048328e-02
## 3888          1.4285714          1.048328e-01
## 3889       1354.1428571          9.937100e+01
## 3890          0.0000000          0.000000e+00
## 3891       1340.7142857          1.000000e+02
## 3892          0.0000000          0.000000e+00
## 3893          0.0000000          0.000000e+00
## 3894          0.0000000          0.000000e+00
## 3895          0.1428571          1.065530e-02
## 3896          0.0000000          0.000000e+00
## 3897          6.0000000          4.475226e-01
## 3898       1333.5714286          9.946723e+01
## 3899          1.0000000          7.458711e-02
## 3900          0.0000000          0.000000e+00
## 3901          0.0000000          0.000000e+00
## 3902          0.1428571          1.097093e-02
## 3903          0.0000000          0.000000e+00
## 3904          1.1428571          8.776742e-02
## 3905          0.0000000          0.000000e+00
## 3906       1294.5714286          9.941854e+01
## 3907          6.2857143          4.827208e-01
## 3908          0.0000000          0.000000e+00
## 3909          0.0000000          0.000000e+00
## 3910       1302.1428571          1.000000e+02
## 3911          0.0000000          0.000000e+00
```

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## 3912      1317.5714286      9.953594e+01
## 3913         0.0000000      0.000000e+00
## 3914         0.0000000      0.000000e+00
## 3915         4.5714286      3.453486e-01
## 3916         0.0000000      0.000000e+00
## 3917         0.0000000      0.000000e+00
## 3918      1323.7142857      1.000000e+02
## 3919         1.4285714      1.079214e-01
## 3920         0.1428571      1.079214e-02
## 3921         0.0000000      0.000000e+00
## 3922      1322.4285714      9.955904e+01
## 3923         0.1428571      1.075500e-02
## 3924         0.0000000      0.000000e+00
## 3925         4.1428571      3.118950e-01
## 3926         0.0000000      0.000000e+00
## 3927      1328.2857143      1.000000e+02
## 3928         1.5714286      1.183050e-01
## 3929         0.0000000      0.000000e+00
## 3930         0.0000000      0.000000e+00
## 3931      1432.5714286      9.956315e+01
## 3932         0.0000000      0.000000e+00
## 3933         0.0000000      0.000000e+00
## 3934         0.0000000      0.000000e+00
## 3935         0.0000000      0.000000e+00
## 3936         1.8571429      1.290707e-01
## 3937      1438.8571429      1.000000e+02
## 3938         4.2857143      2.978554e-01
## 3939         0.0000000      0.000000e+00
## 3940         0.1428571      9.928515e-03
## 3941         0.0000000      0.000000e+00
## 3942      1590.2857143      9.959739e+01
## 3943         0.0000000      0.000000e+00
## 3944         0.0000000      0.000000e+00
## 3945         4.2857143      2.684083e-01
## 3946         2.0000000      1.252572e-01
## 3947         0.0000000      0.000000e+00
## 3948         0.0000000      0.000000e+00
## 3949         0.1428571      8.946945e-03
## 3950      1596.7142857      1.000000e+02
## 3951      1986.4285714      1.000000e+02
## 3952         0.0000000      0.000000e+00
## 3953      1980.4285714      9.969795e+01
## 3954         1.8571429      9.349155e-02
## 3955         0.0000000      0.000000e+00
## 3956         0.0000000      0.000000e+00
## 3957         0.0000000      0.000000e+00
## 3958         0.0000000      0.000000e+00
## 3959         4.1428571      2.085581e-01
## 3960         0.0000000      0.000000e+00
## 3961      2312.2857143      1.000000e+02
## 3962         2.0000000      8.649450e-02
## 3963         0.0000000      0.000000e+00
## 3964         0.0000000      0.000000e+00
## 3965         0.0000000      0.000000e+00
```

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## 3966        0.0000000    0.000000e+00
## 3967        0.0000000    0.000000e+00
## 3968        3.7142857    1.606326e-01
## 3969     2306.5714286    9.975287e+01
## 3970        0.0000000    0.000000e+00
## 3971        0.0000000    0.000000e+00
## 3972        0.0000000    0.000000e+00
## 3973        2.1428571    8.112493e-02
## 3974        0.0000000    0.000000e+00
## 3975        3.2857143    1.243916e-01
## 3976        0.0000000    0.000000e+00
## 3977     2641.4285714    1.000000e+02
## 3978     2636.0000000    9.979448e+01
## 3979        0.0000000    0.000000e+00
## 3980        0.0000000    0.000000e+00
## 3981        0.0000000    0.000000e+00
## 3982     2682.7142857    1.000000e+02
## 3983        2.5714286    9.585175e-02
## 3984        0.0000000    0.000000e+00
## 3985        3.4285714    1.278023e-01
## 3986        0.0000000    0.000000e+00
## 3987        0.0000000    0.000000e+00
## 3988        0.0000000    0.000000e+00
## 3989        0.0000000    0.000000e+00
## 3990     2676.7142857    9.977635e+01
## 3991     2795.7142857    1.000000e+02
## 3992        0.0000000    0.000000e+00
## 3993        0.0000000    0.000000e+00
## 3994        0.0000000    0.000000e+00
## 3995        3.5714286    1.277466e-01
## 3996        0.0000000    0.000000e+00
## 3997        2.2857143    8.175779e-02
## 3998     2789.8571429    9.979050e+01
## 3999        0.0000000    0.000000e+00
## 4000        0.0000000    0.000000e+00
## 4001        0.0000000    0.000000e+00
## 4002        0.0000000    0.000000e+00
## 4003        0.0000000    0.000000e+00
## 4004        3.4285714    1.291503e-01
## 4005     2654.7142857    1.000000e+02
## 4006        0.0000000    0.000000e+00
## 4007        3.1428571    1.183878e-01
## 4008        0.0000000    0.000000e+00
## 4009     2648.1428571    9.975246e+01
## 4010        0.0000000    0.000000e+00
## 4011        3.2857143    1.255321e-01
## 4012     2617.4285714    1.000000e+02
## 4013        0.0000000    0.000000e+00
## 4014        0.0000000    0.000000e+00
## 4015        0.0000000    0.000000e+00
## 4016     2611.2857143    9.976531e+01
## 4017        0.0000000    0.000000e+00
## 4018        0.0000000    0.000000e+00
## 4019        2.8571429    1.091584e-01
```

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## 4020       0.0000000      0.000000e+00
## 4021       0.0000000      0.000000e+00
## 4022       2.8571429      1.130710e-01
## 4023       3.1428571      1.243781e-01
## 4024       0.0000000      0.000000e+00
## 4025       0.0000000      0.000000e+00
## 4026       0.0000000      0.000000e+00
## 4027       0.0000000      0.000000e+00
## 4028    2520.8571429      9.976255e+01
## 4029       0.0000000      0.000000e+00
## 4030    2526.8571429      1.000000e+02
## 4031       0.0000000      0.000000e+00
## 4032       0.0000000      0.000000e+00
## 4033       2.4285714      9.924689e-02
## 4034       2.7142857      1.109230e-01
## 4035    2447.0000000      1.000000e+02
## 4036       0.0000000      0.000000e+00
## 4037       0.0000000      0.000000e+00
## 4038    2441.8571429      9.978983e+01
## 4039       0.0000000      0.000000e+00
## 4040       0.0000000      0.000000e+00
## 4041       0.0000000      0.000000e+00
## 4042    2437.2857143      9.980111e+01
## 4043       0.0000000      0.000000e+00
## 4044       0.0000000      0.000000e+00
## 4045       0.0000000      0.000000e+00
## 4046       2.2857143      9.359462e-02
## 4047       0.0000000      0.000000e+00
## 4048    2442.1428571      1.000000e+02
## 4049       2.5714286      1.052939e-01
## 4050       0.0000000      0.000000e+00
## 4051       2.1428571      8.151288e-02
## 4052       0.0000000      0.000000e+00
## 4053       0.0000000      0.000000e+00
## 4054    2628.8571429      1.000000e+02
## 4055       0.0000000      0.000000e+00
## 4056       0.0000000      0.000000e+00
## 4057    2624.8571429      9.984784e+01
## 4058       0.0000000      0.000000e+00
## 4059       0.0000000      0.000000e+00
## 4060       1.8571429      7.064450e-02
## 4061       0.0000000      0.000000e+00
## 4062       0.0000000      0.000000e+00
## 4063       0.0000000      0.000000e+00
## 4064       0.0000000      0.000000e+00
## 4065    2712.2857143      9.986850e+01
## 4066       1.8571429      6.838146e-02
## 4067       0.0000000      0.000000e+00
## 4068    2715.8571429      1.000000e+02
## 4069       0.0000000      0.000000e+00
## 4070       1.7142857      6.312135e-02
## 4071       0.0000000      0.000000e+00
## 4072       0.0000000      0.000000e+00
## 4073    2784.8571429      9.994360e+01
```

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## 4074       0.0000000      0.000000e+00
## 4075       0.0000000      0.000000e+00
## 4076       0.2857143      1.025378e-02
## 4077       1.2857143      4.614201e-02
## 4078       0.0000000      0.000000e+00
## 4079       0.0000000      0.000000e+00
## 4080    2786.4285714      1.000000e+02
## 4081       0.0000000      0.000000e+00
## 4082    2713.5714286      1.000000e+02
## 4083       0.0000000      0.000000e+00
## 4084       0.0000000      0.000000e+00
## 4085       0.2857143      1.052909e-02
## 4086       0.0000000      0.000000e+00
## 4087       0.0000000      0.000000e+00
## 4088       1.1428571      4.211635e-02
## 4089    2712.1428571      9.994735e+01
## 4090       0.0000000      0.000000e+00
## 4091       0.2857143      1.153802e-02
## 4092       0.7142857      2.884504e-02
## 4093    2476.2857143      1.000000e+02
## 4094       0.0000000      0.000000e+00
## 4095       0.0000000      0.000000e+00
## 4096    2475.2857143      9.995962e+01
## 4097       0.0000000      0.000000e+00
## 4098       0.0000000      0.000000e+00
## 4099       0.0000000      0.000000e+00
## 4100       0.0000000      0.000000e+00
## 4101       0.0000000      0.000000e+00
## 4102       0.0000000      0.000000e+00
## 4103       0.0000000      0.000000e+00
## 4104    2258.7142857      1.000000e+02
## 4105    2257.5714286      9.994940e+01
## 4106       0.4285714      1.897413e-02
## 4107       0.0000000      0.000000e+00
## 4108       0.7142857      3.162355e-02
## 4109       0.0000000      0.000000e+00
## 4110       0.0000000      0.000000e+00
## 4111       0.7142857      3.510250e-02
## 4112       0.0000000      0.000000e+00
## 4113       0.0000000      0.000000e+00
## 4114       0.0000000      0.000000e+00
## 4115       0.5714286      2.808200e-02
## 4116       0.0000000      0.000000e+00
## 4117    2034.8571429      1.000000e+02
## 4118    2033.5714286      9.993682e+01
## 4119       0.0000000      0.000000e+00
## 4120       0.0000000      0.000000e+00
## 4121    1845.8571429      9.993039e+01
## 4122       0.8571429      4.640371e-02
## 4123    1847.1428571      1.000000e+02
## 4124       0.4285714      2.320186e-02
## 4125       0.0000000      0.000000e+00
## 4126       0.0000000      0.000000e+00
## 4127       0.0000000      0.000000e+00
```

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## 4128       0.0000000     0.000000e+00
## 4129       0.0000000     0.000000e+00
## 4130       0.0000000     0.000000e+00
## 4131       1.1428571     6.814891e-02
## 4132       0.0000000     0.000000e+00
## 4133       0.0000000     0.000000e+00
## 4134       0.0000000     0.000000e+00
## 4135       0.4285714     2.555584e-02
## 4136       0.0000000     0.000000e+00
## 4137       0.0000000     0.000000e+00
## 4138    1675.4285714     9.990630e+01
## 4139       0.0000000     0.000000e+00
## 4140    1677.0000000     1.000000e+02
## 4141       0.4285714     2.739976e-02
## 4142       0.0000000     0.000000e+00
## 4143       0.0000000     0.000000e+00
## 4144       0.0000000     0.000000e+00
## 4145       0.0000000     0.000000e+00
## 4146    1562.5714286     9.989953e+01
## 4147       0.0000000     0.000000e+00
## 4148       1.1428571     7.306603e-02
## 4149    1564.1428571     1.000000e+02
## 4150       0.0000000     0.000000e+00
## 4151       0.4285714     2.858504e-02
## 4152    1497.7142857     9.989519e+01
## 4153       0.0000000     0.000000e+00
## 4154       0.0000000     0.000000e+00
## 4155       0.0000000     0.000000e+00
## 4156       0.0000000     0.000000e+00
## 4157       0.0000000     0.000000e+00
## 4158    1499.2857143     1.000000e+02
## 4159       0.0000000     0.000000e+00
## 4160       1.1428571     7.622677e-02
## 4161       0.0000000     0.000000e+00
## 4162    1256.8571429     9.986379e+01
## 4163       0.0000000     0.000000e+00
## 4164       1.4285714     1.135074e-01
## 4165       0.0000000     0.000000e+00
## 4166       0.0000000     0.000000e+00
## 4167       0.0000000     0.000000e+00
## 4168    1258.5714286     1.000000e+02
## 4169       0.0000000     0.000000e+00
## 4170       0.2857143     2.270148e-02
## 4171       0.1428571     1.185958e-02
## 4172       0.0000000     0.000000e+00
## 4173    1204.5714286     1.000000e+02
## 4174       0.0000000     0.000000e+00
## 4175       1.8571429     1.541746e-01
## 4176       0.0000000     0.000000e+00
## 4177       0.0000000     0.000000e+00
## 4178       0.0000000     0.000000e+00
## 4179    1202.5714286     9.983397e+01
## 4180       0.0000000     0.000000e+00
## 4181    1099.7142857     1.000000e+02
```

```
## 4182      0.0000000    0.000000e+00
## 4183      0.0000000    0.000000e+00
## 4184      0.0000000    0.000000e+00
## 4185      0.1428571    1.299039e-02
## 4186   1097.0000000    9.975318e+01
## 4187      0.0000000    0.000000e+00
## 4188      0.0000000    0.000000e+00
## 4189      0.0000000    0.000000e+00
## 4190      2.5714286    2.338270e-01
## 4191      2.4285714    2.439724e-01
## 4192      0.0000000    0.000000e+00
## 4193    995.4285714    1.000000e+02
## 4194    992.7142857    9.972732e+01
## 4195      0.2857143    2.870264e-02
## 4196      0.0000000    0.000000e+00
## 4197      0.0000000    0.000000e+00
## 4198      0.0000000    0.000000e+00
## 4199      0.0000000    0.000000e+00
## 4200      0.0000000    0.000000e+00
## 4201      0.0000000    0.000000e+00
## 4202      0.0000000    0.000000e+00
## 4203      2.5714286    2.892960e-01
## 4204    886.0000000    9.967856e+01
## 4205      0.0000000    0.000000e+00
## 4206      0.2857143    3.214401e-02
## 4207      0.0000000    0.000000e+00
## 4208      0.0000000    0.000000e+00
## 4209      0.0000000    0.000000e+00
## 4210    888.8571429    1.000000e+02
## 4211      0.0000000    0.000000e+00
## 4212      0.0000000    0.000000e+00
## 4213      0.0000000    0.000000e+00
## 4214      0.0000000    0.000000e+00
## 4215    818.4285714    9.963478e+01
## 4216      0.2857143    3.478261e-02
## 4217      0.0000000    0.000000e+00
## 4218      2.7142857    3.304348e-01
## 4219      0.0000000    0.000000e+00
## 4220    821.4285714    1.000000e+02
## 4221    776.0000000    9.961489e+01
## 4222      0.0000000    0.000000e+00
## 4223    779.0000000    1.000000e+02
## 4224      0.2857143    3.667706e-02
## 4225      0.0000000    0.000000e+00
## 4226      0.0000000    0.000000e+00
## 4227      0.0000000    0.000000e+00
## 4228      2.7142857    3.484321e-01
## 4229      0.0000000    0.000000e+00
## 4230      0.0000000    0.000000e+00
## 4231      0.0000000    0.000000e+00
## 4232      2.8571429    3.774297e-01
## 4233      0.0000000    0.000000e+00
## 4234      0.0000000    0.000000e+00
## 4235      0.0000000    0.000000e+00
```

```
## 4236   753.8571429   9.958483e+01
## 4237     0.2857143   3.774297e-02
## 4238     0.0000000   0.000000e+00
## 4239     0.0000000   0.000000e+00
## 4240   757.0000000   1.000000e+02
## 4241     2.7142857   4.450691e-01
## 4242   607.0000000   9.953151e+01
## 4243   609.8571429   1.000000e+02
## 4244     0.0000000   0.000000e+00
## 4245     0.1428571   2.342469e-02
## 4246     0.0000000   0.000000e+00
## 4247     0.0000000   0.000000e+00
## 4248     0.0000000   0.000000e+00
## 4249     0.0000000   0.000000e+00
## 4250     0.0000000   0.000000e+00
## 4251     0.0000000   0.000000e+00
## 4252     0.0000000   0.000000e+00
## 4253     2.2857143   4.190676e-01
## 4254   543.0000000   9.955474e+01
## 4255   545.4285714   1.000000e+02
## 4256     0.0000000   0.000000e+00
## 4257     0.0000000   0.000000e+00
## 4258     0.1428571   2.619172e-02
## 4259     0.0000000   0.000000e+00
## 4260     0.0000000   0.000000e+00
## 4261     2.5714286   5.151689e-01
## 4262   496.5714286   9.948483e+01
## 4263     0.0000000   0.000000e+00
## 4264     0.0000000   0.000000e+00
## 4265     0.0000000   0.000000e+00
## 4266     0.0000000   0.000000e+00
## 4267     0.0000000   0.000000e+00
## 4268     0.0000000   0.000000e+00
## 4269   499.1428571   1.000000e+02
## 4270     0.0000000   0.000000e+00
## 4271     0.0000000   0.000000e+00
## 4272     0.0000000   0.000000e+00
## 4273     0.0000000   0.000000e+00
## 4274     0.0000000   0.000000e+00
## 4275   468.8571429   1.000000e+02
## 4276     0.0000000   0.000000e+00
## 4277     0.0000000   0.000000e+00
## 4278     2.1428571   4.570384e-01
## 4279     0.0000000   0.000000e+00
## 4280   466.7142857   9.954296e+01
## 4281     0.0000000   0.000000e+00
## 4282     0.0000000   0.000000e+00
## 4283     0.0000000   0.000000e+00
## 4284     0.0000000   0.000000e+00
## 4285     0.0000000   0.000000e+00
## 4286   445.1428571   1.000000e+02
## 4287     0.0000000   0.000000e+00
## 4288     2.1428571   4.813864e-01
## 4289   442.8571429   9.948652e+01
```

```
## 4290       0.1428571       3.209243e-02
## 4291       0.0000000       0.000000e+00
## 4292       0.0000000       0.000000e+00
## 4293       0.0000000       0.000000e+00
## 4294       0.0000000       0.000000e+00
## 4295       0.0000000       0.000000e+00
## 4296       2.1428571       4.978427e-01
## 4297     430.4285714       1.000000e+02
## 4298       0.0000000       0.000000e+00
## 4299       0.1428571       3.318951e-02
## 4300     428.1428571       9.946897e+01
## 4301       0.0000000       0.000000e+00
## 4302       0.0000000       0.000000e+00
## 4303       0.0000000       0.000000e+00
## 4304       0.1428571       3.573981e-02
## 4305       0.0000000       0.000000e+00
## 4306       0.0000000       0.000000e+00
## 4307     397.7142857       9.949964e+01
## 4308     399.7142857       1.000000e+02
## 4309       1.8571429       4.646176e-01
## 4310       0.0000000       0.000000e+00
## 4311       0.0000000       0.000000e+00
## 4312     386.7142857       1.000000e+02
## 4313       0.0000000       0.000000e+00
## 4314     385.0000000       9.955670e+01
## 4315       0.0000000       0.000000e+00
## 4316       0.0000000       0.000000e+00
## 4317       1.5714286       4.063539e-01
## 4318       0.1428571       3.694126e-02
## 4319       0.0000000       0.000000e+00
## 4320       0.0000000       0.000000e+00
## 4321       0.0000000       0.000000e+00
## 4322       0.0000000       0.000000e+00
## 4323     371.8571429       1.000000e+02
## 4324       0.0000000       0.000000e+00
## 4325     370.4285714       9.961583e+01
## 4326       0.0000000       0.000000e+00
## 4327       1.2857143       3.457549e-01
## 4328       0.0000000       0.000000e+00
## 4329       0.1428571       3.841721e-02
## 4330       0.0000000       0.000000e+00
## 4331       0.0000000       0.000000e+00
## 4332       0.0000000       0.000000e+00
## 4333       0.0000000       0.000000e+00
## 4334       0.0000000       0.000000e+00
## 4335       0.0000000       0.000000e+00
## 4336       1.1428571       3.163306e-01
## 4337     361.2857143       1.000000e+02
## 4338       0.0000000       0.000000e+00
## 4339     359.8571429       9.960459e+01
## 4340       0.2857143       7.908264e-02
## 4341       0.0000000       0.000000e+00
## 4342       0.2857143       8.237232e-02
## 4343     345.4285714       9.958814e+01
```

```
## 4344      0.0000000    0.000000e+00
## 4345      0.0000000    0.000000e+00
## 4346      0.0000000    0.000000e+00
## 4347      1.1428571    3.294893e-01
## 4348      0.0000000    0.000000e+00
## 4349      0.0000000    0.000000e+00
## 4350    346.8571429    1.000000e+02
## 4351    339.4285714    9.962264e+01
## 4352    340.7142857    1.000000e+02
## 4353      0.0000000    0.000000e+00
## 4354      0.0000000    0.000000e+00
## 4355      0.0000000    0.000000e+00
## 4356      1.0000000    2.935010e-01
## 4357      0.2857143    8.385744e-02
## 4358      0.0000000    0.000000e+00
## 4359      0.0000000    0.000000e+00
## 4360      0.0000000    0.000000e+00
## 4361      0.2857143    8.305648e-02
## 4362      0.0000000    0.000000e+00
## 4363      1.1428571    3.322259e-01
## 4364      0.0000000    0.000000e+00
## 4365    344.0000000    1.000000e+02
## 4366      0.0000000    0.000000e+00
## 4367      0.0000000    0.000000e+00
## 4368    342.5714286    9.958472e+01
## 4369      0.0000000    0.000000e+00
## 4370      0.0000000    0.000000e+00
## 4371      0.2857143    8.213552e-02
## 4372    346.5714286    9.963039e+01
## 4373      0.0000000    0.000000e+00
## 4374      0.0000000    0.000000e+00
## 4375      0.0000000    0.000000e+00
## 4376      0.0000000    0.000000e+00
## 4377    347.8571429    1.000000e+02
## 4378      1.0000000    2.874743e-01
## 4379      0.0000000    0.000000e+00
## 4380      0.0000000    0.000000e+00
## 4381      0.0000000    0.000000e+00
## 4382    320.2857143    1.000000e+02
## 4383      0.0000000    0.000000e+00
## 4384    319.0000000    9.959857e+01
## 4385      0.4285714    1.338091e-01
## 4386      0.8571429    2.676182e-01
## 4387      0.0000000    0.000000e+00
## 4388      0.0000000    0.000000e+00
## 4389      0.0000000    0.000000e+00
## 4390      0.0000000    0.000000e+00
## 4391      0.4285714    1.439539e-01
## 4392    297.7142857    1.000000e+02
## 4393      0.0000000    0.000000e+00
## 4394    296.7142857    9.966411e+01
## 4395      0.0000000    0.000000e+00
## 4396      0.0000000    0.000000e+00
## 4397      0.0000000    0.000000e+00
```

```
## 4398      0.0000000      0.000000e+00
## 4399      0.0000000      0.000000e+00
## 4400      0.5714286      1.919386e-01
## 4401    284.1428571      9.974925e+01
## 4402      0.0000000      0.000000e+00
## 4403      0.0000000      0.000000e+00
## 4404      0.0000000      0.000000e+00
## 4405      0.0000000      0.000000e+00
## 4406      0.0000000      0.000000e+00
## 4407      0.4285714      1.504514e-01
## 4408      0.2857143      1.003009e-01
## 4409      0.0000000      0.000000e+00
## 4410    284.8571429      1.000000e+02
## 4411    278.0000000      9.974372e+01
## 4412    278.7142857      1.000000e+02
## 4413      0.0000000      0.000000e+00
## 4414      0.0000000      0.000000e+00
## 4415      0.0000000      0.000000e+00
## 4416      0.0000000      0.000000e+00
## 4417      0.0000000      0.000000e+00
## 4418      0.2857143      1.025115e-01
## 4419      0.0000000      0.000000e+00
## 4420      0.4285714      1.537673e-01
## 4421      0.0000000      0.000000e+00
## 4422      0.0000000      0.000000e+00
## 4423      0.5714286      2.006018e-01
## 4424      0.0000000      0.000000e+00
## 4425      0.1428571      5.015045e-02
## 4426    284.8571429      1.000000e+02
## 4427      0.0000000      0.000000e+00
## 4428      0.0000000      0.000000e+00
## 4429    284.1428571      9.974925e+01
## 4430      0.0000000      0.000000e+00
## 4431      0.0000000      0.000000e+00
## 4432      0.0000000      0.000000e+00
## 4433    283.1428571      9.974836e+01
## 4434    283.8571429      1.000000e+02
## 4435      0.0000000      0.000000e+00
## 4436      0.5714286      2.013085e-01
## 4437      0.0000000      0.000000e+00
## 4438      0.0000000      0.000000e+00
## 4439      0.0000000      0.000000e+00
## 4440      0.1428571      5.032713e-02
## 4441      0.0000000      0.000000e+00
## 4442      0.0000000      0.000000e+00
## 4443      0.0000000      0.000000e+00
## 4444      0.0000000      0.000000e+00
## 4445    296.5714286      1.000000e+02
## 4446      0.0000000      0.000000e+00
## 4447      0.1428571      4.816956e-02
## 4448      0.5714286      1.926782e-01
## 4449    295.8571429      9.975915e+01
## 4450      0.0000000      0.000000e+00
## 4451    318.1428571      9.982071e+01
```

```
## 4452      0.0000000    0.000000e+00
## 4453      0.0000000    0.000000e+00
## 4454      0.0000000    0.000000e+00
## 4455      0.0000000    0.000000e+00
## 4456    318.7142857    1.000000e+02
## 4457      0.0000000    0.000000e+00
## 4458      0.0000000    0.000000e+00
## 4459      0.5714286    1.792918e-01
## 4460      0.0000000    0.000000e+00
## 4461      0.0000000    0.000000e+00
## 4462    316.8571429    1.000000e+02
## 4463      0.0000000    0.000000e+00
## 4464      0.0000000    0.000000e+00
## 4465      0.0000000    0.000000e+00
## 4466      0.0000000    0.000000e+00
## 4467      0.5714286    1.803427e-01
## 4468    316.2857143    9.981966e+01
## 4469      0.0000000    0.000000e+00
## 4470      0.0000000    0.000000e+00
## 4471      0.1428571    4.387889e-02
## 4472      0.0000000    0.000000e+00
## 4473      0.4285714    1.316367e-01
## 4474      0.0000000    0.000000e+00
## 4475    325.5714286    1.000000e+02
## 4476      0.0000000    0.000000e+00
## 4477    325.0000000    9.982448e+01
## 4478      0.0000000    0.000000e+00
## 4479      0.0000000    0.000000e+00
## 4480      0.0000000    0.000000e+00
## 4481      0.0000000    0.000000e+00
## 4482      0.0000000    0.000000e+00
## 4483      0.0000000    0.000000e+00
## 4484      0.0000000    0.000000e+00
## 4485    319.5714286    9.986607e+01
## 4486      0.2857143    8.928571e-02
## 4487      0.0000000    0.000000e+00
## 4488      0.1428571    4.464286e-02
## 4489      0.0000000    0.000000e+00
## 4490    320.0000000    1.000000e+02
## 4491      0.1428571    4.428698e-02
## 4492      0.0000000    0.000000e+00
## 4493      0.0000000    0.000000e+00
## 4494      0.0000000    0.000000e+00
## 4495      0.0000000    0.000000e+00
## 4496      0.0000000    0.000000e+00
## 4497    322.2857143    9.991143e+01
## 4498      0.1428571    4.428698e-02
## 4499      0.0000000    0.000000e+00
## 4500    322.5714286    1.000000e+02
## 4501      0.0000000    0.000000e+00
## 4502      0.1428571    4.327131e-02
## 4503      0.0000000    0.000000e+00
## 4504      0.0000000    0.000000e+00
## 4505      0.0000000    0.000000e+00
```

```
## 4506    330.0000000    9.995673e+01
## 4507    330.1428571    1.000000e+02
## 4508      0.0000000    0.000000e+00
## 4509      0.0000000    0.000000e+00
## 4510      0.0000000    0.000000e+00
## 4511    328.2857143    1.000000e+02
## 4512      0.0000000    0.000000e+00
## 4513      0.0000000    0.000000e+00
## 4514    328.0000000    9.991297e+01
## 4515      0.0000000    0.000000e+00
## 4516      0.1428571    4.351610e-02
## 4517      0.1428571    4.351610e-02
## 4518      0.0000000    0.000000e+00
## 4519      0.0000000    0.000000e+00
## 4520      0.0000000    0.000000e+00
## 4521      0.0000000    0.000000e+00
## 4522    328.4285714    1.000000e+02
## 4523      0.2857143    8.699435e-02
## 4524      0.0000000    0.000000e+00
## 4525      0.0000000    0.000000e+00
## 4526      0.2857143    8.699435e-02
## 4527      0.0000000    0.000000e+00
## 4528      0.0000000    0.000000e+00
## 4529      0.0000000    0.000000e+00
## 4530    327.8571429    9.982601e+01
## 4531      0.0000000    0.000000e+00
## 4532      0.0000000    0.000000e+00
## 4533      0.0000000    0.000000e+00
## 4534      0.0000000    0.000000e+00
## 4535    346.7142857    1.000000e+02
## 4536      1.0000000    2.884219e-01
## 4537    345.4285714    9.962917e+01
## 4538      0.2857143    8.240626e-02
## 4539      0.0000000    0.000000e+00
## 4540      0.0000000    0.000000e+00
## 4541      0.1428571    4.266212e-02
## 4542      0.0000000    0.000000e+00
## 4543      1.2857143    3.839590e-01
## 4544    334.8571429    1.000000e+02
## 4545      0.0000000    0.000000e+00
## 4546      0.0000000    0.000000e+00
## 4547      0.0000000    0.000000e+00
## 4548      0.0000000    0.000000e+00
## 4549    333.4285714    9.957338e+01
## 4550      0.0000000    0.000000e+00
## 4551      0.1428571    4.118616e-02
## 4552      0.0000000    0.000000e+00
## 4553      0.0000000    0.000000e+00
## 4554      0.0000000    0.000000e+00
## 4555      0.0000000    0.000000e+00
## 4556      2.2857143    6.589786e-01
## 4557    344.1428571    9.921746e+01
## 4558      0.0000000    0.000000e+00
## 4559    346.8571429    1.000000e+02
```

```
## 4560       0.2857143     8.237232e-02
## 4561       0.2857143     8.278146e-02
## 4562       0.0000000     0.000000e+00
## 4563     341.0000000     9.879967e+01
## 4564       0.0000000     0.000000e+00
## 4565       0.0000000     0.000000e+00
## 4566       0.1428571     4.139073e-02
## 4567       3.7142857     1.076159e+00
## 4568       0.0000000     0.000000e+00
## 4569       0.0000000     0.000000e+00
## 4570     345.1428571     1.000000e+02
## 4571     342.2857143     9.856026e+01
## 4572       0.1428571     4.113534e-02
## 4573       0.0000000     0.000000e+00
## 4574       0.0000000     0.000000e+00
## 4575       0.0000000     0.000000e+00
## 4576       0.0000000     0.000000e+00
## 4577       4.5714286     1.316331e+00
## 4578     347.2857143     1.000000e+02
## 4579       0.2857143     8.227067e-02
## 4580       0.0000000     0.000000e+00
## 4581       0.0000000     0.000000e+00
## 4582     366.7142857     9.850345e+01
## 4583       0.2857143     7.674597e-02
## 4584     372.2857143     1.000000e+02
## 4585       0.0000000     0.000000e+00
## 4586       5.0000000     1.343054e+00
## 4587       0.0000000     0.000000e+00
## 4588       0.0000000     0.000000e+00
## 4589       0.0000000     0.000000e+00
## 4590       0.2857143     7.674597e-02
## 4591       0.1428571     3.687316e-02
## 4592       0.0000000     0.000000e+00
## 4593       0.0000000     0.000000e+00
## 4594     381.8571429     9.856195e+01
## 4595       0.0000000     0.000000e+00
## 4596       5.1428571     1.327434e+00
## 4597       0.0000000     0.000000e+00
## 4598       0.0000000     0.000000e+00
## 4599     387.4285714     1.000000e+02
## 4600       0.2857143     7.374631e-02
## 4601       0.2857143     6.925208e-02
## 4602       0.0000000     0.000000e+00
## 4603     407.7142857     9.882271e+01
## 4604       0.0000000     0.000000e+00
## 4605       0.0000000     0.000000e+00
## 4606       0.0000000     0.000000e+00
## 4607       0.0000000     0.000000e+00
## 4608     412.5714286     1.000000e+02
## 4609       4.4285714     1.073407e+00
## 4610       0.1428571     3.462604e-02
## 4611       4.4285714     9.800822e-01
## 4612       0.1428571     3.161555e-02
## 4613       0.0000000     0.000000e+00
```

```
## 4614    447.0000000    9.892507e+01
## 4615      0.0000000    0.000000e+00
## 4616      0.0000000    0.000000e+00
## 4617      0.0000000    0.000000e+00
## 4618      0.0000000    0.000000e+00
## 4619      0.2857143    6.323111e-02
## 4620    451.8571429    1.000000e+02
## 4621      0.0000000    0.000000e+00
## 4622      0.0000000    0.000000e+00
## 4623      0.1428571    3.019324e-02
## 4624      3.7142857    7.850242e-01
## 4625      0.0000000    0.000000e+00
## 4626    469.2857143    9.918478e+01
## 4627      0.0000000    0.000000e+00
## 4628    473.1428571    1.000000e+02
## 4629      0.0000000    0.000000e+00
## 4630      0.0000000    0.000000e+00
## 4631      0.0000000    0.000000e+00
## 4632      0.0000000    0.000000e+00
## 4633      2.4285714    5.037037e-01
## 4634      0.0000000    0.000000e+00
## 4635    479.5714286    9.946667e+01
## 4636      0.0000000    0.000000e+00
## 4637    482.1428571    1.000000e+02
## 4638      0.0000000    0.000000e+00
## 4639      0.1428571    2.962963e-02
## 4640      0.0000000    0.000000e+00
## 4641    498.7142857    1.000000e+02
## 4642      0.1428571    2.864509e-02
## 4643      0.0000000    0.000000e+00
## 4644      0.0000000    0.000000e+00
## 4645      0.0000000    0.000000e+00
## 4646      0.0000000    0.000000e+00
## 4647      1.5714286    3.150960e-01
## 4648      0.0000000    0.000000e+00
## 4649      0.0000000    0.000000e+00
## 4650    497.0000000    9.965626e+01
## 4651      0.0000000    0.000000e+00
## 4652      0.0000000    0.000000e+00
## 4653      0.0000000    0.000000e+00
## 4654    511.7142857    9.972160e+01
## 4655      0.0000000    0.000000e+00
## 4656      0.0000000    0.000000e+00
## 4657      1.4285714    2.783964e-01
## 4658    513.1428571    1.000000e+02
## 4659      0.0000000    0.000000e+00
## 4660      0.0000000    0.000000e+00
## 4661      0.0000000    0.000000e+00
## 4662      0.0000000    0.000000e+00
## 4663      0.0000000    0.000000e+00
## 4664      0.0000000    0.000000e+00
## 4665      0.0000000    0.000000e+00
## 4666    517.4285714    9.966979e+01
## 4667      1.7142857    3.302146e-01
```

```
## 4668         0.0000000        0.000000e+00
## 4669       519.1428571        1.000000e+02
## 4670         0.0000000        0.000000e+00
## 4671         2.1428571        4.177109e-01
## 4672         0.0000000        0.000000e+00
## 4673         0.0000000        0.000000e+00
## 4674         0.0000000        0.000000e+00
## 4675         0.0000000        0.000000e+00
## 4676       513.0000000        1.000000e+02
## 4677         0.0000000        0.000000e+00
## 4678         0.0000000        0.000000e+00
## 4679         0.0000000        0.000000e+00
## 4680       510.8571429        9.958229e+01
## 4681         0.0000000        0.000000e+00
## 4682         0.0000000        0.000000e+00
## 4683         0.0000000        0.000000e+00
## 4684         0.0000000        0.000000e+00
## 4685         0.0000000        0.000000e+00
## 4686         0.0000000        0.000000e+00
## 4687       507.5714286        1.000000e+02
## 4688         0.0000000        0.000000e+00
## 4689       505.4285714        9.957782e+01
## 4690         2.1428571        4.221784e-01
## 4691         2.1428571        4.187605e-01
## 4692         0.0000000        0.000000e+00
## 4693         0.0000000        0.000000e+00
## 4694       509.5714286        9.958124e+01
## 4695         0.0000000        0.000000e+00
## 4696       511.7142857        1.000000e+02
## 4697         0.0000000        0.000000e+00
## 4698         0.0000000        0.000000e+00
## 4699         0.0000000        0.000000e+00
## 4700         0.0000000        0.000000e+00
## 4701       508.7142857        1.000000e+02
## 4702         0.0000000        0.000000e+00
## 4703       506.5714286        9.957877e+01
## 4704         0.0000000        0.000000e+00
## 4705         0.0000000        0.000000e+00
## 4706         0.0000000        0.000000e+00
## 4707         0.0000000        0.000000e+00
## 4708         0.0000000        0.000000e+00
## 4709         0.0000000        0.000000e+00
## 4710         2.1428571        4.212300e-01
## 4711       474.5714286        9.952067e+01
## 4712         0.0000000        0.000000e+00
## 4713         2.2857143        4.793289e-01
## 4714         0.0000000        0.000000e+00
## 4715         0.0000000        0.000000e+00
## 4716         0.0000000        0.000000e+00
## 4717         0.0000000        0.000000e+00
## 4718         0.0000000        0.000000e+00
## 4719       476.8571429        1.000000e+02
## 4720         0.0000000        0.000000e+00
## 4721       474.2857143        9.955022e+01
```

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## 4722          0.0000000        0.000000e+00
## 4723          0.0000000        0.000000e+00
## 4724          0.0000000        0.000000e+00
## 4725        476.4285714        1.000000e+02
## 4726          2.1428571        4.497751e-01
## 4727          0.0000000        0.000000e+00
## 4728          0.0000000        0.000000e+00
## 4729          0.0000000        0.000000e+00
## 4730          0.0000000        0.000000e+00
## 4731          0.0000000        0.000000e+00
## 4732          0.0000000        0.000000e+00
## 4733        480.7142857        1.000000e+02
## 4734          0.0000000        0.000000e+00
## 4735          0.0000000        0.000000e+00
## 4736        478.4285714        9.952452e+01
## 4737          2.2857143        4.754829e-01
## 4738          0.0000000        0.000000e+00
## 4739          0.0000000        0.000000e+00
## 4740          0.0000000        0.000000e+00
## 4741        484.0000000        9.955921e+01
## 4742          0.0000000        0.000000e+00
## 4743          2.1428571        4.407875e-01
## 4744          0.0000000        0.000000e+00
## 4745        486.1428571        1.000000e+02
## 4746          0.0000000        0.000000e+00
## 4747          0.0000000        0.000000e+00
## 4748          0.0000000        0.000000e+00
## 4749          0.0000000        0.000000e+00
## 4750          0.0000000        0.000000e+00
## 4751          0.0000000        0.000000e+00
## 4752          0.0000000        0.000000e+00
## 4753          0.0000000        0.000000e+00
## 4754        476.5714286        9.958209e+01
## 4755          2.0000000        4.179104e-01
## 4756          0.0000000        0.000000e+00
## 4757        478.5714286        1.000000e+02
## 4758          0.0000000        0.000000e+00
## 4759          0.0000000        0.000000e+00
## 4760          0.0000000        0.000000e+00
## 4761          2.4285714        5.076142e-01
## 4762          0.0000000        0.000000e+00
## 4763          0.0000000        0.000000e+00
## 4764          0.0000000        0.000000e+00
## 4765          0.0000000        0.000000e+00
## 4766          0.0000000        0.000000e+00
## 4767        476.0000000        9.949239e+01
## 4768          0.0000000        0.000000e+00
## 4769        478.4285714        1.000000e+02
## 4770          0.0000000        0.000000e+00
## 4771          2.5714286        5.191808e-01
## 4772          0.0000000        0.000000e+00
## 4773        492.7142857        9.948082e+01
## 4774          0.0000000        0.000000e+00
## 4775          0.0000000        0.000000e+00
```

```
## 4776       0.0000000     0.000000e+00
## 4777       0.0000000     0.000000e+00
## 4778       0.0000000     0.000000e+00
## 4779     495.2857143     1.000000e+02
## 4780       0.0000000     0.000000e+00
## 4781       2.5714286     4.900626e-01
## 4782       0.0000000     0.000000e+00
## 4783       0.0000000     0.000000e+00
## 4784     522.1428571     9.950994e+01
## 4785     524.7142857     1.000000e+02
## 4786       0.0000000     0.000000e+00
## 4787       0.0000000     0.000000e+00
## 4788       0.0000000     0.000000e+00
## 4789       0.0000000     0.000000e+00
## 4790       0.0000000     0.000000e+00
## 4791       0.0000000     0.000000e+00
## 4792     538.2857143     1.000000e+02
## 4793       0.0000000     0.000000e+00
## 4794       0.0000000     0.000000e+00
## 4795       0.0000000     0.000000e+00
## 4796       0.0000000     0.000000e+00
## 4797     535.5714286     9.949575e+01
## 4798       2.7142857     5.042463e-01
## 4799       0.0000000     0.000000e+00
## 4800       0.0000000     0.000000e+00
## 4801     534.2857143     1.000000e+02
## 4802       2.2857143     4.278075e-01
## 4803     532.0000000     9.957219e+01
## 4804       0.0000000     0.000000e+00
## 4805       0.0000000     0.000000e+00
## 4806       0.0000000     0.000000e+00
## 4807       0.0000000     0.000000e+00
## 4808       0.0000000     0.000000e+00
## 4809       0.0000000     0.000000e+00
## 4810       0.0000000     0.000000e+00
## 4811       0.0000000     0.000000e+00
## 4812     522.7142857     1.000000e+02
## 4813       0.0000000     0.000000e+00
## 4814     519.7142857     9.942607e+01
## 4815       0.0000000     0.000000e+00
## 4816       0.0000000     0.000000e+00
## 4817       0.0000000     0.000000e+00
## 4818       0.0000000     0.000000e+00
## 4819       0.0000000     0.000000e+00
## 4820       3.0000000     5.739273e-01
## 4821       0.0000000     0.000000e+00
## 4822       0.0000000     0.000000e+00
## 4823       0.0000000     0.000000e+00
## 4824       0.0000000     0.000000e+00
## 4825     517.5714286     9.907028e+01
## 4826     522.4285714     1.000000e+02
## 4827       0.0000000     0.000000e+00
## 4828       0.0000000     0.000000e+00
## 4829       0.0000000     0.000000e+00
```

```
## 4830      4.8571429    9.297238e-01
## 4831      0.0000000    0.000000e+00
## 4832      0.0000000    0.000000e+00
## 4833    500.5714286    9.870423e+01
## 4834      0.0000000    0.000000e+00
## 4835      6.5714286    1.295775e+00
## 4836      0.0000000    0.000000e+00
## 4837    507.1428571    1.000000e+02
## 4838      0.0000000    0.000000e+00
## 4839      0.0000000    0.000000e+00
## 4840      0.0000000    0.000000e+00
## 4841    511.1428571    1.000000e+02
## 4842      0.0000000    0.000000e+00
## 4843      0.0000000    0.000000e+00
## 4844      8.4285714    1.648966e+00
## 4845    502.7142857    9.835103e+01
## 4846      0.0000000    0.000000e+00
## 4847      0.0000000    0.000000e+00
## 4848      0.0000000    0.000000e+00
## 4849      0.0000000    0.000000e+00
## 4850      0.0000000    0.000000e+00
## 4851      0.0000000    0.000000e+00
## 4852      0.0000000    0.000000e+00
## 4853      9.2857143    1.773050e+00
## 4854      0.0000000    0.000000e+00
## 4855    514.4285714    9.822695e+01
## 4856      0.0000000    0.000000e+00
## 4857      0.0000000    0.000000e+00
## 4858      0.0000000    0.000000e+00
## 4859      0.0000000    0.000000e+00
## 4860    523.7142857    1.000000e+02
## 4861      0.0000000    0.000000e+00
## 4862      0.0000000    0.000000e+00
## 4863     12.1428571    2.221061e+00
## 4864    546.7142857    1.000000e+02
## 4865      0.0000000    0.000000e+00
## 4866      0.0000000    0.000000e+00
## 4867    534.5714286    9.777894e+01
## 4868      0.0000000    0.000000e+00
## 4869      0.0000000    0.000000e+00
## 4870      0.0000000    0.000000e+00
## 4871      0.0000000    0.000000e+00
## 4872      0.0000000    0.000000e+00
## 4873    572.1428571    9.730321e+01
## 4874      0.0000000    0.000000e+00
## 4875      0.0000000    0.000000e+00
## 4876    588.0000000    1.000000e+02
## 4877      0.0000000    0.000000e+00
## 4878      0.0000000    0.000000e+00
## 4879     15.8571429    2.696793e+00
## 4880      0.0000000    0.000000e+00
## 4881    621.5714286    9.727252e+01
## 4882      0.0000000    0.000000e+00
## 4883      0.0000000    0.000000e+00
```

```
## 4884   639.0000000   1.000000e+02
## 4885     0.0000000   0.000000e+00
## 4886     0.0000000   0.000000e+00
## 4887     0.0000000   0.000000e+00
## 4888     0.0000000   0.000000e+00
## 4889    17.4285714   2.727476e+00
## 4890     0.0000000   0.000000e+00
## 4891     0.0000000   0.000000e+00
## 4892     0.0000000   0.000000e+00
## 4893     0.0000000   0.000000e+00
## 4894    18.1428571   2.637591e+00
## 4895     0.0000000   0.000000e+00
## 4896     0.0000000   0.000000e+00
## 4897   669.7142857   9.736241e+01
## 4898   687.8571429   1.000000e+02
## 4899     0.0000000   0.000000e+00
## 4900     0.0000000   0.000000e+00
## 4901     0.0000000   0.000000e+00
## 4902     0.0000000   0.000000e+00
## 4903     0.0000000   0.000000e+00
## 4904     0.0000000   0.000000e+00
## 4905    18.0000000   2.491103e+00
## 4906     0.0000000   0.000000e+00
## 4907   722.5714286   1.000000e+02
## 4908     0.0000000   0.000000e+00
## 4909   704.5714286   9.750890e+01
## 4910     0.0000000   0.000000e+00
## 4911   725.0000000   1.000000e+02
## 4912   707.5714286   9.759606e+01
## 4913     0.0000000   0.000000e+00
## 4914     0.0000000   0.000000e+00
## 4915    17.4285714   2.403941e+00
## 4916     0.0000000   0.000000e+00
## 4917     0.0000000   0.000000e+00
## 4918     0.0000000   0.000000e+00
## 4919     0.0000000   0.000000e+00
## 4920     0.0000000   0.000000e+00
## 4921     0.0000000   0.000000e+00
## 4922     0.0000000   0.000000e+00
## 4923    18.1428571   2.511867e+00
## 4924     0.0000000   0.000000e+00
## 4925     0.0000000   0.000000e+00
## 4926   722.2857143   1.000000e+02
## 4927     0.0000000   0.000000e+00
## 4928     0.0000000   0.000000e+00
## 4929   704.1428571   9.748813e+01
## 4930     0.0000000   0.000000e+00
## 4931   725.1428571   1.000000e+02
## 4932     0.0000000   0.000000e+00
## 4933     0.0000000   0.000000e+00
## 4934   706.2857143   9.739953e+01
## 4935     0.0000000   0.000000e+00
## 4936    18.8571429   2.600473e+00
## 4937     0.0000000   0.000000e+00
```

```
## 4938          0.0000000          0.000000e+00
## 4939          0.0000000          0.000000e+00
## 4940          0.0000000          0.000000e+00
## 4941         18.2857143          2.562050e+00
## 4942          0.0000000          0.000000e+00
## 4943          0.0000000          0.000000e+00
## 4944          0.0000000          0.000000e+00
## 4945        695.4285714          9.743795e+01
## 4946          0.0000000          0.000000e+00
## 4947          0.0000000          0.000000e+00
## 4948        713.7142857          1.000000e+02
## 4949          0.0000000          0.000000e+00
## 4950          0.0000000          0.000000e+00
## 4951          0.0000000          0.000000e+00
## 4952        691.8571429          9.746428e+01
## 4953          0.0000000          0.000000e+00
## 4954          0.0000000          0.000000e+00
## 4955        709.8571429          1.000000e+02
## 4956          0.0000000          0.000000e+00
## 4957          0.0000000          0.000000e+00
## 4958          0.0000000          0.000000e+00
## 4959          0.0000000          0.000000e+00
## 4960         18.0000000          2.535721e+00
## 4961          0.0000000          0.000000e+00
## 4962          0.0000000          0.000000e+00
## 4963          0.0000000          0.000000e+00
## 4964        688.5714286          9.745249e+01
## 4965          0.0000000          0.000000e+00
## 4966         18.0000000          2.547513e+00
## 4967        706.5714286          1.000000e+02
## 4968          0.0000000          0.000000e+00
## 4969          0.0000000          0.000000e+00
## 4970          0.0000000          0.000000e+00
## 4971          0.0000000          0.000000e+00
## 4972          0.0000000          0.000000e+00
## 4973          0.0000000          0.000000e+00
## 4974         18.1428571          2.595014e+00
## 4975          0.0000000          0.000000e+00
## 4976        699.1428571          1.000000e+02
## 4977          0.0000000          0.000000e+00
## 4978          0.0000000          0.000000e+00
## 4979        681.0000000          9.740499e+01
## 4980          0.0000000          0.000000e+00
## 4981          0.0000000          0.000000e+00
## 4982          0.0000000          0.000000e+00
## 4983          0.0000000          0.000000e+00
## 4984          0.0000000          0.000000e+00
## 4985        692.8571429          9.731140e+01
## 4986         19.1428571          2.688604e+00
## 4987          0.0000000          0.000000e+00
## 4988          0.0000000          0.000000e+00
## 4989        712.0000000          1.000000e+02
## 4990          0.0000000          0.000000e+00
## 4991          0.0000000          0.000000e+00
```

```
## 4992      0.0000000      0.000000e+00
## 4993      0.0000000      0.000000e+00
## 4994      0.0000000      0.000000e+00
## 4995    720.4285714      1.000000e+02
## 4996     19.7142857      2.736466e+00
## 4997      0.0000000      0.000000e+00
## 4998      0.0000000      0.000000e+00
## 4999    700.7142857      9.726353e+01
## 5000      0.0000000      0.000000e+00
## 5001      0.0000000      0.000000e+00
## 5002      0.0000000      0.000000e+00
## 5003      0.0000000      0.000000e+00
## 5004    733.8571429      1.000000e+02
## 5005      0.0000000      0.000000e+00
## 5006      0.0000000      0.000000e+00
## 5007     21.2857143      2.900526e+00
## 5008      0.0000000      0.000000e+00
## 5009    712.5714286      9.709947e+01
## 5010      0.0000000      0.000000e+00
## 5011      0.0000000      0.000000e+00
## 5012      0.0000000      0.000000e+00
## 5013    759.5714286      1.000000e+02
## 5014      0.0000000      0.000000e+00
## 5015    738.0000000      9.716005e+01
## 5016      0.0000000      0.000000e+00
## 5017      0.0000000      0.000000e+00
## 5018      0.0000000      0.000000e+00
## 5019     21.5714286      2.839947e+00
## 5020      0.0000000      0.000000e+00
## 5021     22.1428571      2.916823e+00
## 5022      0.0000000      0.000000e+00
## 5023      0.0000000      0.000000e+00
## 5024      0.0000000      0.000000e+00
## 5025      0.0000000      0.000000e+00
## 5026    759.1428571      1.000000e+02
## 5027      0.0000000      0.000000e+00
## 5028      0.0000000      0.000000e+00
## 5029    737.0000000      9.708318e+01
## 5030      0.0000000      0.000000e+00
## 5031      0.0000000      0.000000e+00
## 5032      0.0000000      0.000000e+00
## 5033      0.0000000      0.000000e+00
## 5034     23.8571429      3.156303e+00
## 5035    755.8571429      1.000000e+02
## 5036    732.0000000      9.684370e+01
## 5037      0.0000000      0.000000e+00
## 5038      0.0000000      0.000000e+00
## 5039      0.0000000      0.000000e+00
## 5040      0.0000000      0.000000e+00
## 5041      0.0000000      0.000000e+00
## 5042      0.0000000      0.000000e+00
## 5043     25.1428571      3.192454e+00
## 5044      0.0000000      0.000000e+00
## 5045      0.0000000      0.000000e+00
```

```
## 5046       0.0000000    0.000000e+00
## 5047     787.5714286    1.000000e+02
## 5048       0.0000000    0.000000e+00
## 5049     762.4285714    9.680755e+01
## 5050       0.0000000    0.000000e+00
## 5051       0.0000000    0.000000e+00
## 5052     805.8571429    1.000000e+02
## 5053     781.1428571    9.693317e+01
## 5054       0.0000000    0.000000e+00
## 5055       0.0000000    0.000000e+00
## 5056       0.0000000    0.000000e+00
## 5057      24.7142857    3.066832e+00
## 5058       0.0000000    0.000000e+00
## 5059       0.0000000    0.000000e+00
## 5060       0.0000000    0.000000e+00
## 5061       0.0000000    0.000000e+00
## 5062      25.1428571    2.989130e+00
## 5063       0.0000000    0.000000e+00
## 5064       0.0000000    0.000000e+00
## 5065       0.0000000    0.000000e+00
## 5066       0.0000000    0.000000e+00
## 5067       0.0000000    0.000000e+00
## 5068       0.0000000    0.000000e+00
## 5069     841.1428571    1.000000e+02
## 5070     816.0000000    9.701087e+01
## 5071       0.0000000    0.000000e+00
## 5072       0.0000000    0.000000e+00
## 5073     824.0000000    9.689232e+01
## 5074     850.4285714    1.000000e+02
## 5075       0.0000000    0.000000e+00
## 5076       0.0000000    0.000000e+00
## 5077      26.4285714    3.107677e+00
## 5078       0.0000000    0.000000e+00
## 5079       0.0000000    0.000000e+00
## 5080       0.0000000    0.000000e+00
## 5081     857.4285714    9.719838e+01
## 5082       0.0000000    0.000000e+00
## 5083       0.0000000    0.000000e+00
## 5084       0.0000000    0.000000e+00
## 5085       0.0000000    0.000000e+00
## 5086      24.7142857    2.801619e+00
## 5087       0.0000000    0.000000e+00
## 5088     882.1428571    1.000000e+02
## 5089       0.0000000    0.000000e+00
## 5090       0.0000000    0.000000e+00
## 5091       0.0000000    0.000000e+00
## 5092       0.0000000    0.000000e+00
## 5093      23.0000000    2.549889e+00
## 5094       0.0000000    0.000000e+00
## 5095     902.0000000    1.000000e+02
## 5096       0.0000000    0.000000e+00
## 5097       0.0000000    0.000000e+00
## 5098       0.0000000    0.000000e+00
## 5099       0.0000000    0.000000e+00
```

```
## 5100    879.0000000    9.745011e+01
## 5101      0.0000000    0.000000e+00
## 5102    907.7142857    9.796485e+01
## 5103     18.8571429    2.035153e+00
## 5104      0.0000000    0.000000e+00
## 5105      0.0000000    0.000000e+00
## 5106      0.0000000    0.000000e+00
## 5107      0.0000000    0.000000e+00
## 5108      0.0000000    0.000000e+00
## 5109      0.0000000    0.000000e+00
## 5110    926.5714286    1.000000e+02
## 5111    947.4285714    1.000000e+02
## 5112      0.0000000    0.000000e+00
## 5113     15.5714286    1.643546e+00
## 5114      0.0000000    0.000000e+00
## 5115      0.0000000    0.000000e+00
## 5116    931.8571429    9.835645e+01
## 5117      0.0000000    0.000000e+00
## 5118      0.0000000    0.000000e+00
## 5119      0.0000000    0.000000e+00
## 5120      0.0000000    0.000000e+00
## 5121    917.0000000    1.000000e+02
## 5122      0.0000000    0.000000e+00
## 5123      0.0000000    0.000000e+00
## 5124      0.0000000    0.000000e+00
## 5125      0.0000000    0.000000e+00
## 5126      0.0000000    0.000000e+00
## 5127     13.8571429    1.511139e+00
## 5128      0.0000000    0.000000e+00
## 5129    903.1428571    9.848886e+01
## 5130      0.0000000    0.000000e+00
## 5131    884.5714286    9.874023e+01
## 5132     11.2857143    1.259767e+00
## 5133      0.0000000    0.000000e+00
## 5134      0.0000000    0.000000e+00
## 5135    895.8571429    1.000000e+02
## 5136      0.0000000    0.000000e+00
## 5137      0.0000000    0.000000e+00
## 5138      0.0000000    0.000000e+00
## 5139      0.0000000    0.000000e+00
## 5140      0.0000000    0.000000e+00
## 5141      4.5714286    5.870482e-01
## 5142    774.1428571    9.941295e+01
## 5143      0.0000000    0.000000e+00
## 5144      0.0000000    0.000000e+00
## 5145      0.0000000    0.000000e+00
## 5146      0.0000000    0.000000e+00
## 5147      0.0000000    0.000000e+00
## 5148    778.7142857    1.000000e+02
## 5149      0.0000000    0.000000e+00
## 5150      0.0000000    0.000000e+00
## 5151      0.0000000    0.000000e+00
## 5152      4.7142857    5.884451e-01
## 5153      0.0000000    0.000000e+00
```

```
## 5154        0.0000000    0.000000e+00
## 5155      801.1428571    1.000000e+02
## 5156        0.0000000    0.000000e+00
## 5157        0.0000000    0.000000e+00
## 5158      796.4285714    9.941155e+01
## 5159        0.0000000    0.000000e+00
## 5160        0.0000000    0.000000e+00
## 5161        0.0000000    0.000000e+00
## 5162        0.0000000    0.000000e+00
## 5163        0.0000000    0.000000e+00
## 5164        4.0000000    5.192878e-01
## 5165        0.0000000    0.000000e+00
## 5166        0.0000000    0.000000e+00
## 5167      770.2857143    1.000000e+02
## 5168        0.0000000    0.000000e+00
## 5169        0.0000000    0.000000e+00
## 5170      766.2857143    9.948071e+01
## 5171        0.0000000    0.000000e+00
## 5172        0.0000000    0.000000e+00
## 5173        0.0000000    0.000000e+00
## 5174        4.4285714    5.712180e-01
## 5175        0.0000000    0.000000e+00
## 5176      775.2857143    1.000000e+02
## 5177        0.0000000    0.000000e+00
## 5178        0.0000000    0.000000e+00
## 5179        0.0000000    0.000000e+00
## 5180      770.8571429    9.942878e+01
## 5181        0.0000000    0.000000e+00
## 5182        0.0000000    0.000000e+00
## 5183        0.0000000    0.000000e+00
## 5184        0.0000000    0.000000e+00
## 5185        0.1428571    1.885370e-02
## 5186      753.5714286    9.945324e+01
## 5187      757.7142857    1.000000e+02
## 5188        4.0000000    5.279035e-01
## 5189        0.0000000    0.000000e+00
## 5190        0.0000000    0.000000e+00
## 5191        0.0000000    0.000000e+00
## 5192        3.5714286    4.555394e-01
## 5193      780.2857143    9.952624e+01
## 5194        0.0000000    0.000000e+00
## 5195        0.0000000    0.000000e+00
## 5196        0.0000000    0.000000e+00
## 5197      784.0000000    1.000000e+02
## 5198        0.1428571    1.822157e-02
## 5199        0.0000000    0.000000e+00
## 5200        0.0000000    0.000000e+00
## 5201        0.0000000    0.000000e+00
## 5202        0.1428571    1.831502e-02
## 5203        0.0000000    0.000000e+00
## 5204        0.0000000    0.000000e+00
## 5205        0.0000000    0.000000e+00
## 5206        0.0000000    0.000000e+00
## 5207      776.4285714    9.954212e+01
```

```
## 5208     0.0000000    0.000000e+00
## 5209     3.4285714    4.395604e-01
## 5210   780.0000000    1.000000e+02
## 5211     0.0000000    0.000000e+00
## 5212     0.0000000    0.000000e+00
## 5213     0.0000000    0.000000e+00
## 5214   907.0000000    9.959216e+01
## 5215     0.1428571    1.568627e-02
## 5216     0.0000000    0.000000e+00
## 5217     0.0000000    0.000000e+00
## 5218     0.0000000    0.000000e+00
## 5219     3.5714286    3.921569e-01
## 5220   910.7142857    1.000000e+02
## 5221     0.0000000    0.000000e+00
## 5222     0.0000000    0.000000e+00
## 5223   859.4285714    1.000000e+02
## 5224     0.0000000    0.000000e+00
## 5225     0.0000000    0.000000e+00
## 5226   857.7142857    9.980053e+01
## 5227     0.1428571    1.662234e-02
## 5228     0.0000000    0.000000e+00
## 5229     1.5714286    1.828457e-01
## 5230     0.0000000    0.000000e+00
## 5231     0.0000000    0.000000e+00
## 5232   833.1428571    9.982883e+01
## 5233     0.0000000    0.000000e+00
## 5234     0.0000000    0.000000e+00
## 5235     0.0000000    0.000000e+00
## 5236     0.0000000    0.000000e+00
## 5237     1.2857143    1.540568e-01
## 5238     0.1428571    1.711743e-02
## 5239   834.5714286    1.000000e+02
## 5240     0.0000000    0.000000e+00
## 5241     0.0000000    0.000000e+00
## 5242   766.2857143    1.000000e+02
## 5243     1.0000000    1.304996e-01
## 5244     0.0000000    0.000000e+00
## 5245   765.1428571    9.985086e+01
## 5246     0.0000000    0.000000e+00
## 5247     0.0000000    0.000000e+00
## 5248     0.0000000    0.000000e+00
## 5249     0.0000000    0.000000e+00
## 5250     0.1428571    1.864280e-02
## 5251     0.0000000    0.000000e+00
## 5252   709.2857143    9.977894e+01
## 5253     1.5714286    2.210611e-01
## 5254     0.0000000    0.000000e+00
## 5255     0.0000000    0.000000e+00
## 5256   710.8571429    1.000000e+02
## 5257     0.0000000    0.000000e+00
## 5258     0.0000000    0.000000e+00
## 5259     0.0000000    0.000000e+00
## 5260     0.0000000    0.000000e+00
## 5261     1.7142857    2.592913e-01
```

```
## 5262          0.0000000       0.000000e+00
## 5263          0.0000000       0.000000e+00
## 5264          0.0000000       0.000000e+00
## 5265        661.1428571       1.000000e+02
## 5266          0.0000000       0.000000e+00
## 5267        659.4285714       9.974071e+01
## 5268          0.0000000       0.000000e+00
## 5269          0.0000000       0.000000e+00
## 5270          0.0000000       0.000000e+00
## 5271          0.0000000       0.000000e+00
## 5272          1.8571429       2.966682e-01
## 5273          0.0000000       0.000000e+00
## 5274          0.0000000       0.000000e+00
## 5275        626.0000000       1.000000e+02
## 5276        624.1428571       9.970333e+01
## 5277          0.0000000       0.000000e+00
## 5278          0.0000000       0.000000e+00
## 5279          0.0000000       0.000000e+00
## 5280          0.0000000       0.000000e+00
## 5281          0.0000000       0.000000e+00
## 5282          0.0000000       0.000000e+00
## 5283          0.0000000       0.000000e+00
## 5284        571.2857143       1.000000e+02
## 5285          0.0000000       0.000000e+00
## 5286          2.1428571       3.750938e-01
## 5287          0.0000000       0.000000e+00
## 5288          0.0000000       0.000000e+00
## 5289          0.0000000       0.000000e+00
## 5290        569.1428571       9.962491e+01
## 5291        522.4285714       9.956439e+01
## 5292          0.0000000       0.000000e+00
## 5293          2.2857143       4.356112e-01
## 5294          0.0000000       0.000000e+00
## 5295          0.0000000       0.000000e+00
## 5296          0.0000000       0.000000e+00
## 5297          0.0000000       0.000000e+00
## 5298        524.7142857       1.000000e+02
## 5299          0.0000000       0.000000e+00
## 5300          0.0000000       0.000000e+00
## 5301          2.4285714       4.869665e-01
## 5302          0.0000000       0.000000e+00
## 5303          0.0000000       0.000000e+00
## 5304          0.0000000       0.000000e+00
## 5305          0.0000000       0.000000e+00
## 5306          0.0000000       0.000000e+00
## 5307          0.0000000       0.000000e+00
## 5308        498.7142857       1.000000e+02
## 5309          0.0000000       0.000000e+00
## 5310        496.2857143       9.951303e+01
## 5311          3.1428571       6.598680e-01
## 5312          0.0000000       0.000000e+00
## 5313        476.2857143       1.000000e+02
## 5314          0.0000000       0.000000e+00
## 5315          0.0000000       0.000000e+00
```

```
## 5316        473.1428571        9.934013e+01
## 5317          0.0000000        0.000000e+00
## 5318          0.0000000        0.000000e+00
## 5319          0.0000000        0.000000e+00
## 5320          0.0000000        0.000000e+00
## 5321          0.0000000        0.000000e+00
## 5322          0.0000000        0.000000e+00
## 5323          0.0000000        0.000000e+00
## 5324        451.1428571        9.937067e+01
## 5325          0.0000000        0.000000e+00
## 5326          2.8571429        6.293266e-01
## 5327          0.0000000        0.000000e+00
## 5328        454.0000000        1.000000e+02
## 5329          0.0000000        0.000000e+00
## 5330          0.0000000        0.000000e+00
## 5331          0.0000000        0.000000e+00
## 5332        429.4285714        9.937190e+01
## 5333          0.0000000        0.000000e+00
## 5334          0.0000000        0.000000e+00
## 5335        432.1428571        1.000000e+02
## 5336          2.7142857        6.280992e-01
## 5337          0.0000000        0.000000e+00
## 5338          0.0000000        0.000000e+00
## 5339          0.0000000        0.000000e+00
## 5340          0.0000000        0.000000e+00
## 5341        407.7142857        9.937326e+01
## 5342          0.0000000        0.000000e+00
## 5343          0.0000000        0.000000e+00
## 5344          0.0000000        0.000000e+00
## 5345          0.0000000        0.000000e+00
## 5346          0.0000000        0.000000e+00
## 5347        410.2857143        1.000000e+02
## 5348          0.0000000        0.000000e+00
## 5349          0.0000000        0.000000e+00
## 5350          2.5714286        6.267409e-01
## 5351          0.0000000        0.000000e+00
## 5352          0.0000000        0.000000e+00
## 5353        329.1428571        9.918209e+01
## 5354          0.0000000        0.000000e+00
## 5355          0.0000000        0.000000e+00
## 5356          0.0000000        0.000000e+00
## 5357          0.0000000        0.000000e+00
## 5358          2.7142857        8.179079e-01
## 5359        331.8571429        1.000000e+02
## 5360          0.0000000        0.000000e+00
## 5361        288.7142857        1.000000e+02
## 5362          0.0000000        0.000000e+00
## 5363        285.7142857        9.896091e+01
## 5364          0.0000000        0.000000e+00
## 5365          0.0000000        0.000000e+00
## 5366          0.0000000        0.000000e+00
## 5367          0.0000000        0.000000e+00
## 5368          3.0000000        1.039090e+00
## 5369          0.0000000        0.000000e+00
```

```
## 5370       0.0000000        0.000000e+00
## 5371       3.0000000        1.078582e+00
## 5372       0.0000000        0.000000e+00
## 5373       0.0000000        0.000000e+00
## 5374       0.0000000        0.000000e+00
## 5375       0.0000000        0.000000e+00
## 5376       0.0000000        0.000000e+00
## 5377       0.0000000        0.000000e+00
## 5378     275.1428571        9.892142e+01
## 5379     278.1428571        1.000000e+02
## 5380       0.0000000        0.000000e+00
## 5381       0.0000000        0.000000e+00
## 5382       0.0000000        0.000000e+00
## 5383       0.0000000        0.000000e+00
## 5384       0.0000000        0.000000e+00
## 5385       0.0000000        0.000000e+00
## 5386       0.0000000        0.000000e+00
## 5387       0.0000000        0.000000e+00
## 5388     277.1428571        1.000000e+02
## 5389     274.7142857        9.912371e+01
## 5390       2.4285714        8.762887e-01
## 5391       0.0000000        0.000000e+00
## 5392       0.0000000        0.000000e+00
## 5393       2.2857143        8.728860e-01
## 5394       0.0000000        0.000000e+00
## 5395       0.0000000        0.000000e+00
## 5396       0.0000000        0.000000e+00
## 5397     259.5714286        9.912711e+01
## 5398     261.8571429        1.000000e+02
## 5399       0.0000000        0.000000e+00
## 5400       0.0000000        0.000000e+00
## 5401       0.0000000        0.000000e+00
## 5402       0.0000000        0.000000e+00
## 5403       0.0000000        0.000000e+00
## 5404       0.0000000        0.000000e+00
## 5405       2.2857143        8.639309e-01
## 5406       0.0000000        0.000000e+00
## 5407     262.2857143        9.913607e+01
## 5408       0.0000000        0.000000e+00
## 5409     264.5714286        1.000000e+02
## 5410       0.0000000        0.000000e+00
```

selecting all columns except "Total" and "Other" since these are not shown in the plot we are instructed to make

```
no_total_and_other <- variants_data[variants_data$variant_name != "Total" & variants_data$variant_name
```

call ggplot2 from library to use the package for creating the graph

```
library(ggplot2)
```

use the ggplot function and subfunctions to create the graph (details explained
in comments below)

```
ggplot(data=no_total_and_other, aes(x=as.Date(date), y=percentage, color=variant_name)) + # tell ggplot
  geom_line() + # making a line graph/time series
  scale_x_date(date_labels = "%b %Y", date_breaks = "1 month") + # change date format to month/Year (e.
  theme(axis.text.x=element_text(angle = 60, hjust = 1, vjust = 1), legend.title = element_blank()) + #
  xlab(NULL) + # remove x-axis label
  ylab("Percentage of sequenced specimens") + # change y-axis label
  ggtitle("Covid-19 Variants in California") # add graph title
```


Covid−19 Variants in California