P8106_group2_COVID-19_recoveryanalysis

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Contents

Import and data manipulation

```
# Load recovery.RData environment
load("./recovery.Rdata")

dat %>% na.omit()
```

```
##       id age gender race smoking height weight  bmi hypertension diabetes SBP
## 1      1  56      0    1       2  170.2   78.7 27.2            0        0 120
## 2      2  70      1    1       1  169.6   73.1 25.4            1        0 134
## 3      3  57      1    1       0  168.4   77.4 27.3            1        0 131
## 4      4  53      0    1       0  166.7   76.1 27.4            0        0 115
## 5      5  59      1    1       2  173.6   70.2 23.3            0        0 127
## 6      6  60      1    3       1  162.8   75.1 28.4            0        0 129
## 7      7  56      0    1       0  169.6   79.1 27.5            0        1 122
## 8      8  58      1    1       0  152.8   62.6 26.8            1        0 134
## 9      9  60      0    1       1  168.5   81.8 28.8            1        0 136
## 10    10  60      1    1       0  166.6   75.7 27.3            0        0 127
## 11    11  53      1    1       0  171.0   75.0 25.7            0        1 117
## 12    12  66      0    1       2  184.9   68.5 20.0            1        0 135
## 13    13  59      1    1       0  180.3   75.2 23.1            1        0 133
## 14    14  61      0    1       0  173.5   87.7 29.1            0        0 127
## 15    15  67      0    3       0  172.7   72.5 24.3            1        0 138
## 16    16  61      1    1       0  165.4   78.7 28.8            0        0 127
## 17    17  63      1    2       1  165.6  100.0 36.4            1        0 140
## 18    18  61      0    1       0  170.7   87.1 29.9            1        0 136
## 19    19  59      0    1       0  175.8   84.7 27.4            0        1 125
## 20    20  61      0    1       0  166.4   80.1 28.9            1        0 135
## 21    21  55      1    1       2  166.7   80.4 28.9            1        0 132
## 22    22  66      0    1       1  165.4   70.2 25.7            1        0 131
## 23    23  62      1    1       0  176.6   80.5 25.8            0        0 128
## 24    24  62      0    2       1  164.1   78.5 29.2            0        0 128
## 25    25  62      0    2       1  169.7   72.9 25.3            0        0 123
## 26    26  59      0    3       2  158.2   74.6 29.8            0        0 128
## 27    27  66      0    3       0  172.0   80.4 27.2            1        1 145
## 28    28  60      0    1       0  174.8   89.2 29.2            0        0 127
```

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## 29        29  55       1       1        0  168.9     77.9 27.3       1          0 133
## 30        30  57       0       1        0  180.1     87.7 27.0       1          1 131
## 31        31  67       0       3        1  169.4     80.7 28.1       1          0 141
## 32        32  59       0       1        0  171.4     77.5 26.4       1          0 133
## 33        33  65       1       1        1  172.6     84.8 28.5       0          0 126
## 34        34  53       1       1        1  173.2     79.2 26.4       0          0 129
## 35        35  63       0       1        0  176.7     93.4 29.9       1          1 135
## 36        36  62       1       1        0  165.1     79.8 29.3       0          0 124
## 37        37  60       1       1        1  169.3     92.4 32.2       1          0 135
## 38        38  55       0       1        0  178.5     83.4 26.2       0          1 129
## 39        39  61       1       1        0  175.5     82.9 26.9       1          1 131
## 40        40  61       0       1        1  161.0     66.5 25.7       1          0 138
## 41        41  56       1       1        0  162.4     85.2 32.3       1          0 134
## 42        42  60       0       1        0  164.0     70.1 26.1       1          0 131
## 43        43  61       0       3        0  164.3     74.4 27.5       0          0 129
## 44        44  58       0       1        0  170.0     83.9 29.0       1          0 141
## 45        45  57       1       1        2  171.9     81.7 27.6       0          0 125
## 46        46  60       1       4        0  168.5     75.0 26.4       0          0 129
## 47        47  69       1       1        0  161.0     71.2 27.4       1          0 145
## 48        48  64       0       1        1  176.0     88.4 28.6       1          0 133
## 49        49  58       0       1        0  167.5     68.6 24.4       0          0 125
## 50        50  57       1       1        1  170.9     72.6 24.9       0          0 117
## 51        51  65       0       1        0  168.2     77.6 27.4       1          0 133
## 52        52  57       0       1        0  164.4     70.8 26.2       1          0 132
## 53        53  62       1       4        1  173.8     84.0 27.8       1          0 134
## 54        54  64       1       4        0  158.9     70.3 27.8       1          1 135
## 55        55  59       0       3        0  174.5     85.8 28.2       1          0 138
## 56        56  70       1       4        2  162.4     80.9 30.7       1          0 133
## 57        57  60       1       3        0  171.6     77.9 26.5       0          0 125
## 58        58  62       1       1        1  166.6     79.3 28.5       0          0 127
## 59        59  54       1       3        0  171.4     92.6 31.5       0          0 122
## 60        60  57       1       1        0  169.4     75.5 26.3       0          0 125
## 61        61  68       1       4        0  178.5     90.9 28.5       1          0 134
## 62        62  53       1       1        1  165.6     87.6 32.0       0          0 124
## 63        63  56       1       1        0  159.3     73.6 29.0       0          0 125
## 64        64  52       0       3        0  167.3     71.7 25.6       0          0 130
## 65        65  54       1       1        0  174.3     69.4 22.8       1          1 134
## 66        66  63       0       1        1  173.7     65.9 21.8       1          0 133
## 67        67  52       0       4        0  169.2     80.8 28.2       0          1 120
## 68        68  57       0       2        0  168.2     83.3 29.4       0          0 122
## 69        69  59       0       1        0  170.4     83.2 28.7       0          0 130
## 70        70  65       0       2        1  167.6     82.1 29.2       0          0 125
## 71        71  58       0       1        1  173.5     76.3 25.3       1          0 136
## 72        72  59       0       1        0  169.8     85.6 29.7       0          0 121
## 73        73  63       0       1        0  172.4     68.7 23.1       0          0 125
## 74        74  70       0       4        2  172.2     83.5 28.2       0          0 129
## 75        75  69       0       1        0  170.3     92.0 31.7       0          0 128
## 76        76  58       1       4        0  175.3     79.7 25.9       1          0 134
## 77        77  53       0       3        1  168.9     83.3 29.2       0          1 124
## 78        78  58       1       1        1  166.3     86.6 31.3       0          0 127
## 79        79  66       0       3        0  179.4     83.4 25.9       1          0 137
## 80        80  57       1       3        0  174.9     78.5 25.7       0          1 117
## 81        81  60       0       1        0  167.4     75.1 26.8       1          0 140
## 82        82  69       1       1        0  177.3     74.2 23.6       0          1 125
```

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## 83    83 65   0   1     0 181.4   75.0 22.8        1       1 131
## 84    84 62   0   3     0 166.8   81.1 29.1        1       0 148
## 85    85 52   0   3     2 172.2   81.6 27.5        1       0 133
## 86    86 60   1   3     1 177.5   81.9 26.0        1       0 136
## 87    87 60   1   1     0 168.1   79.0 27.9        0       0 125
## 88    88 65   0   4     1 170.9   75.7 25.9        0       0 128
## 89    89 61   1   3     2 170.5   66.1 22.7        0       0 127
## 90    90 59   0   1     0 167.4   88.2 31.5        0       0 126
## 91    91 55   1   1     0 175.3   82.0 26.7        0       0 118
## 92    92 60   0   1     0 163.0   72.6 27.3        1       0 140
## 93    93 61   0   1     0 169.3   76.4 26.7        1       0 135
## 94    94 63   1   3     0 163.3   76.3 28.6        1       0 147
## 95    95 58   0   3     2 166.3   87.4 31.6        0       1 123
## 96    96 62   0   1     0 160.2   80.0 31.2        1       0 144
## 97    97 56   0   4     0 165.1   82.7 30.3        0       0 128
## 98    98 62   0   1     1 171.9   82.7 28.0        1       0 134
## 99    99 62   0   4     0 186.2   81.5 23.5        1       0 146
## 100  100 67   0   2     0 166.7   77.5 27.9        1       0 139
## 101  101 67   0   3     0 175.8   94.3 30.5        1       0 133
## 102  102 60   0   1     1 165.6   83.6 30.5        1       0 143
## 103  103 54   1   1     1 162.8   72.1 27.2        0       0 124
## 104  104 58   1   1     1 162.8   75.6 28.5        1       0 139
## 105  105 56   0   4     2 175.1   90.5 29.5        0       0 110
## 106  106 61   1   3     2 169.8   81.3 28.2        0       0 125
## 107  107 63   1   4     0 174.2   84.5 27.8        1       1 131
## 108  108 59   0   1     0 172.5   72.5 24.4        0       0 114
## 109  109 60   0   1     2 161.9   81.8 31.2        0       0 124
## 110  110 56   0   3     1 165.4   81.9 29.9        0       0 122
## 111  111 63   0   3     0 162.4   64.9 24.6        1       1 138
## 112  112 59   1   1     0 165.3   75.6 27.7        1       0 139
## 113  113 72   0   1     1 163.4   72.4 27.1        1       0 147
## 114  114 61   1   1     1 162.2   88.2 33.5        1       1 131
## 115  115 58   1   3     0 172.0   75.5 25.5        0       1 127
## 116  116 58   1   3     0 162.5   81.4 30.8        1       0 132
## 117  117 52   1   1     0 164.5   85.7 31.7        0       0 127
## 118  118 53   0   4     1 163.3   83.7 31.4        0       0 123
## 119  119 59   1   1     0 180.5   90.8 27.9        0       0 118
## 120  120 65   1   1     1 169.7   90.5 31.4        1       0 148
## 121  121 64   0   1     0 174.0   87.1 28.8        1       0 136
## 122  122 56   0   1     1 175.0   77.5 25.3        0       0 124
## 123  123 61   1   1     0 173.0   72.2 24.1        0       0 128
## 124  124 56   1   1     0 162.7   66.3 25.0        1       0 133
## 125  125 66   0   1     1 168.1   89.1 31.5        1       0 136
## 126  126 54   1   1     0 165.0   73.8 27.1        0       0 112
## 127  127 59   1   1     0 170.7   69.7 23.9        1       0 138
## 128  128 58   0   2     0 162.9   78.4 29.5        0       0 115
## 129  129 61   1   1     0 164.8   80.6 29.7        1       0 135
## 130  130 60   0   1     0 176.8   89.1 28.5        1       0 137
## 131  131 62   0   1     0 159.2   77.5 30.6        1       1 138
## 132  132 42   1   1     1 178.8   89.7 28.1        0       0 112
## 133  133 55   0   4     0 169.4   72.7 25.3        0       0 128
## 134  134 66   1   1     1 167.0   91.0 32.6        0       0 121
## 135  135 57   0   3     0 173.6   87.0 28.9        0       1 126
## 136  136 62   1   1     0 172.1   80.5 27.2        1       0 133
```

```
## 137   137   69    1    3    1   156.1   76.9 31.6       0        0 127
## 138   138   53    1    1    1   172.8   82.7 27.7       0        0 116
## 139   139   70    0    1    1   175.9   85.4 27.6       1        0 143
## 140   140   60    0    3    0   179.7   82.8 25.6       0        0 130
## 141   141   67    0    3    2   174.3   84.2 27.7       0        0 129
## 142   142   58    0    1    0   173.4   76.6 25.5       0        1 121
## 143   143   57    1    1    1   175.0   84.1 27.5       1        1 139
## 144   144   57    0    3    1   171.3   93.1 31.7       0        0 120
## 145   145   58    0    1    0   171.2   72.5 24.7       1        0 134
## 146   146   63    1    4    1   176.2   74.7 24.1       0        0 129
## 147   147   63    1    1    2   166.9   71.0 25.5       1        1 132
## 148   148   61    0    3    2   171.0   77.8 26.6       1        0 141
## 149   149   58    0    1    1   169.7   71.6 24.8       0        0 127
## 150   150   52    0    1    0   164.3   93.5 34.6       0        0 116
## 151   151   61    0    4    1   175.3   87.3 28.4       0        0 115
## 152   152   58    0    1    0   172.8   83.1 27.8       0        0 122
## 153   153   58    1    1    0   175.7   90.2 29.2       0        0 117
## 154   154   56    0    1    0   164.5   86.4 31.9       0        0 130
## 155   155   55    1    1    1   168.5   77.9 27.4       0        0 130
## 156   156   66    0    1    1   154.0   70.2 29.6       1        0 140
## 157   157   60    1    1    0   174.0   78.9 26.1       1        0 133
## 158   158   61    0    3    1   165.5   78.1 28.5       0        0 129
## 159   159   61    0    3    0   164.6   82.1 30.3       1        0 131
## 160   160   54    0    1    0   172.4   72.0 24.2       0        0 120
## 161   161   61    1    3    1   166.4   81.1 29.3       0        0 128
## 162   162   58    1    1    1   167.6   98.7 35.1       1        0 138
## 163   163   63    0    1    2   166.6   93.7 33.7       1        0 143
## 164   164   59    1    1    0   172.0   86.4 29.2       0        0 122
## 165   165   63    0    1    1   166.2   86.6 31.3       1        0 136
## 166   166   71    1    3    0   167.0   71.9 25.8       0        0 128
## 167   167   54    0    4    0   171.3   95.2 32.4       0        0 114
## 168   168   60    1    3    1   161.4   73.0 28.0       1        0 134
## 169   169   57    0    1    0   176.0   89.7 28.9       1        0 137
## 170   170   54    1    1    1   176.9   80.5 25.7       1        0 136
## 171   171   59    1    1    0   177.5   81.3 25.8       1        0 132
## 172   172   61    0    3    1   171.1   65.5 22.4       1        0 131
## 173   173   64    0    4    2   174.1   60.2 19.9       1        0 132
## 174   174   61    1    3    0   164.4   76.4 28.3       0        1 128
## 175   175   56    0    3    2   167.0   80.9 29.0       1        0 134
## 176   176   51    1    1    1   165.0   74.0 27.1       0        0 128
## 177   177   65    0    1    0   183.6   76.8 22.8       1        0 132
## 178   178   61    0    1    0   180.6   92.0 28.2       0        1 121
## 179   179   54    1    1    1   169.5   75.7 26.3       0        0 128
## 180   180   60    1    2    2   160.5   71.1 27.6       1        0 149
## 181   181   57    1    2    1   162.6   85.9 32.5       0        0 130
## 182   182   56    1    1    0   165.8   79.6 28.9       0        0 129
## 183   183   65    1    1    0   168.5   75.0 26.4       0        0 124
## 184   184   60    1    1    0   166.5   82.9 29.9       0        0 128
## 185   185   64    0    1    1   169.2   78.3 27.4       1        0 133
## 186   186   57    1    1    1   171.9   89.8 30.4       0        1 126
## 187   187   67    0    3    1   170.6   79.0 27.1       1        0 133
## 188   188   66    1    1    0   164.3   76.5 28.3       1        0 136
## 189   189   69    0    1    2   172.6   85.4 28.7       1        0 141
## 190   190   57    0    1    1   172.4   80.8 27.2       0        1 127
```

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## 191   191   62      0      4      1   166.7   82.6 29.7          1          0 134
## 192   192   61      0      2      0   179.1   83.2 25.9          1          0 134
## 193   193   59      1      1      0   172.1   83.6 28.2          1          0 143
## 194   194   63      0      3      0   163.7   72.5 27.1          1          0 137
## 195   195   61      0      1      0   172.5   80.4 27.0          1          0 132
## 196   196   63      0      1      0   163.0   72.1 27.1          1          0 135
## 197   197   69      0      1      1   169.7   77.5 26.9          1          0 143
## 198   198   57      0      1      1   161.9   78.9 30.1          0          0 117
## 199   199   54      0      3      0   157.3   81.0 32.8          1          0 134
## 200   200   62      0      3      0   162.8   86.7 32.7          0          0 120
## 201   201   60      1      3      1   170.0   83.8 29.0          0          0 116
## 202   202   65      1      1      0   162.1   73.6 28.0          1          0 135
## 203   203   56      1      1      1   170.5   82.8 28.5          0          1 120
## 204   204   60      1      1      0   164.2   76.6 28.4          1          0 148
## 205   205   66      0      1      0   170.4   91.8 31.6          1          0 139
## 206   206   50      1      3      0   176.8   91.0 29.1          0          0 107
## 207   207   56      0      1      0   175.1   77.8 25.4          0          0 123
## 208   208   67      0      3      0   179.1   79.3 24.7          1          0 137
## 209   209   62      0      3      0   165.5   85.1 31.0          1          0 149
## 210   210   53      0      3      0   174.7   85.1 27.9          0          1 119
## 211   211   67      1      1      1   166.3   76.4 27.6          1          0 139
## 212   212   60      1      1      0   161.9   85.6 32.7          0          0 128
## 213   213   57      1      1      2   161.9   73.5 28.0          1          1 131
## 214   214   67      1      1      0   169.1   78.8 27.6          0          0 125
## 215   215   65      1      3      2   173.6   92.9 30.8          0          0 127
## 216   216   66      0      1      0   166.1   83.2 30.1          0          1 128
## 217   217   67      0      1      0   168.8   87.4 30.7          0          0 129
## 218   218   56      0      2      0   168.7   67.1 23.6          1          0 132
## 219   219   66      0      1      1   182.0   75.2 22.7          1          0 145
## 220   220   59      0      2      0   170.0   73.1 25.3          1          0 132
## 221   221   66      0      3      1   175.8   75.6 24.5          0          0 130
## 222   222   65      1      4      0   170.5   94.9 32.6          1          0 132
## 223   223   61      0      3      2   170.4   76.9 26.5          1          0 142
## 224   224   58      0      1      1   179.3   81.0 25.2          1          0 135
## 225   225   63      1      3      1   172.6   80.8 27.1          1          0 134
## 226   226   60      1      1      1   172.8   79.2 26.5          0          0 127
## 227   227   64      1      1      1   163.4   68.4 25.6          1          0 135
## 228   228   61      0      1      0   180.5   88.3 27.1          0          1 113
## 229   229   60      1      1      0   175.9   89.2 28.8          1          0 131
## 230   230   65      1      1      0   160.9   80.9 31.2          1          0 139
## 231   231   52      1      1      0   178.8   78.6 24.6          0          0 121
## 232   232   68      0      1      0   165.5   78.1 28.5          1          1 135
## 233   233   58      1      1      2   166.6   84.4 30.4          1          0 135
## 234   234   68      1      2      0   175.6   91.7 29.7          1          0 140
## 235   235   54      1      1      0   166.3   72.7 26.3          1          0 140
## 236   236   53      0      1      1   171.5   84.9 28.9          0          0 116
## 237   237   64      1      3      1   166.6   66.2 23.8          0          0 127
## 238   238   62      0      1      1   179.2   89.4 27.8          0          0 130
## 239   239   57      0      3      1   172.3   76.3 25.7          1          0 134
## 240   240   60      0      1      0   167.3   94.4 33.7          1          1 133
## 241   241   64      1      1      0   161.6   62.7 24.0          0          0 120
## 242   242   61      0      2      0   169.8   88.3 30.6          1          0 133
## 243   243   54      1      1      0   169.6   84.5 29.4          0          1 109
## 244   244   57      1      1      2   171.6   85.9 29.2          0          0 130
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## 245   245   56   1   3   1   171.1   80.3 27.4        1        0 132
## 246   246   62   1   4   1   178.9   83.5 26.1        1        1 143
## 247   247   55   0   3   0   166.8   77.8 28.0        0        0 123
## 248   248   62   0   1   1   164.6   66.7 24.6        0        1 129
## 249   249   58   0   1   1   168.6   79.2 27.9        1        0 136
## 250   250   60   0   1   0   168.2   81.7 28.9        0        0 123
## 251   251   59   1   1   2   156.3   85.9 35.2        1        0 137
## 252   252   63   0   1   1   170.8   87.3 29.9        1        0 138
## 253   253   55   0   4   0   171.8   73.5 24.9        0        0 128
## 254   254   60   0   1   0   181.0   75.6 23.1        1        0 132
## 255   255   62   1   1   2   165.3   76.5 28.0        0        0 125
## 256   256   66   0   3   1   178.4   77.6 24.4        0        0 130
## 257   257   63   0   3   1   175.3   75.0 24.4        1        1 143
## 258   258   60   0   3   0   156.7   81.4 33.1        1        0 134
## 259   259   66   0   1   0   176.7   89.5 28.7        0        0 126
## 260   260   62   1   2   0   168.7   61.2 21.5        0        0 121
## 261   261   70   1   3   1   154.4   71.9 30.2        1        0 135
## 262   262   63   0   3   2   164.8   78.9 29.0        1        0 138
## 263   263   57   1   1   1   172.1   85.7 28.9        0        0 127
## 264   264   57   0   3   1   179.7   84.2 26.1        0        0 119
## 265   265   63   1   1   0   171.4   73.4 25.0        1        0 148
## 266   266   59   1   4   1   163.0   75.2 28.3        1        1 132
## 267   267   62   0   1   0   167.7   82.3 29.3        1        0 138
## 268   268   63   1   1   0   173.7   96.7 32.1        1        1 133
## 269   269   55   1   1   0   173.4   73.3 24.4        0        0 124
## 270   270   58   1   1   0   176.7   83.9 26.9        0        0 123
## 271   271   57   1   4   1   162.6   72.9 27.5        0        0 120
## 272   272   66   1   1   0   177.3   80.9 25.7        1        1 132
## 273   273   63   1   1   2   170.8   87.2 29.9        0        0 128
## 274   274   56   0   4   2   162.4   81.6 30.9        0        0 114
## 275   275   58   1   3   1   169.0   91.9 32.2        0        0 127
## 276   276   57   0   1   2   166.1   87.0 31.5        0        0 128
## 277   277   59   1   1   1   166.6   83.3 30.0        0        0 128
## 278   278   54   0   4   0   175.1   88.1 28.7        0        0 117
## 279   279   58   0   1   1   168.9   76.7 26.9        0        1 129
## 280   280   65   0   4   0   169.7   77.6 26.9        0        0 126
## 281   281   67   0   4   0   165.2   82.1 30.1        1        0 144
## 282   282   64   1   1   0   161.6   84.1 32.2        0        0 130
## 283   283   66   1   3   1   164.8   94.6 34.9        1        0 131
## 284   284   57   1   1   1   165.8   84.8 30.8        1        0 131
## 285   285   65   0   3   0   172.1   65.7 22.2        1        0 138
## 286   286   54   1   4   0   171.5   87.3 29.7        1        0 139
## 287   287   60   1   1   0   162.3   85.4 32.4        1        0 131
## 288   288   61   1   2   2   163.5   94.9 35.5        0        0 119
## 289   289   56   1   1   0   165.4   76.8 28.1        0        0 119
## 290   290   60   0   4   1   168.5   70.3 24.8        1        0 143
## 291   291   64   0   1   0   175.0   71.6 23.4        0        0 125
## 292   292   60   0   1   1   167.8   87.6 31.1        1        0 131
## 293   293   63   1   1   0   173.7   84.6 28.0        0        0 129
## 294   294   57   0   1   0   174.4   78.9 25.9        0        0 130
## 295   295   62   1   1   0   170.7   72.9 25.0        0        0 121
## 296   296   62   0   3   0   167.4   76.0 27.1        1        0 135
## 297   297   65   0   1   2   164.2   75.9 28.2        1        0 133
## 298   298   65   0   4   1   169.5   81.1 28.2        1        0 136
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```
## 299   299   60    0   3     0   169.0   85.5 29.9        0         0 130
## 300   300   60    0   1     2   171.4   85.8 29.2        1         0 143
## 301   301   61    1   3     2   177.1   73.9 23.6        0         0 125
## 302   302   60    0   1     0   174.7   77.8 25.5        0         0 130
## 303   303   59    0   1     0   176.4   80.4 25.9        1         1 135
## 304   304   60    1   1     0   170.2   75.7 26.1        1         0 139
## 305   305   64    1   3     1   159.9   80.2 31.4        0         0 126
## 306   306   58    0   1     0   166.7   81.8 29.5        0         0 121
## 307   307   63    0   1     0   180.0   82.8 25.6        1         0 139
## 308   308   60    1   1     1   162.0   76.2 29.1        1         0 140
## 309   309   66    1   1     0   161.7   80.2 30.7        0         0 123
## 310   310   60    0   3     1   175.7   97.3 31.5        0         0 118
## 311   311   63    0   1     1   163.8   77.8 29.0        1         0 131
## 312   312   61    0   4     2   170.1   84.7 29.3        0         0 126
## 313   313   53    1   1     0   171.8   89.3 30.3        0         0 118
## 314   314   69    0   1     0   172.4   75.3 25.4        1         0 137
## 315   315   67    1   3     1   166.0   75.8 27.5        1         0 132
## 316   316   61    0   3     0   169.3   73.8 25.8        0         0 120
## 317   317   62    1   3     1   164.6   77.2 28.5        1         0 138
## 318   318   59    0   3     0   160.7   80.8 31.3        1         1 137
## 319   319   52    1   1     0   181.7   94.0 28.5        0         0 120
## 320   320   56    0   1     0   156.8   77.7 31.6        1         1 134
## 321   321   55    1   3     0   155.6   78.1 32.2        1         0 143
## 322   322   59    0   1     1   174.6   80.9 26.5        0         0 110
## 323   323   62    0   1     0   166.2   80.8 29.3        1         1 137
## 324   324   64    0   1     0   161.0   73.5 28.4        0         0 126
## 325   325   62    0   1     0   177.9   85.7 27.1        1         0 143
## 326   326   57    0   1     2   174.4   79.9 26.3        0         0 122
## 327   327   58    1   1     0   157.3   74.8 30.2        0         0 123
## 328   328   61    0   1     0   161.7   72.7 27.8        0         0 130
## 329   329   67    0   1     1   170.8   85.3 29.2        1         0 134
## 330   330   58    0   2     0   169.9   71.1 24.6        0         0 113
## 331   331   74    0   1     0   171.9   72.8 24.6        1         0 135
## 332   332   54    1   3     0   183.6   77.0 22.8        0         0 122
## 333   333   54    1   4     0   167.7   75.3 26.8        0         0 121
## 334   334   62    0   1     0   178.3   67.5 21.2        0         0 117
## 335   335   61    0   3     0   171.5   71.8 24.4        0         0 125
## 336   336   64    0   1     2   179.0   88.7 27.7        1         0 141
## 337   337   61    0   3     0   167.5   72.7 25.9        1         0 149
## 338   338   59    1   1     1   173.3   85.5 28.5        1         0 131
## 339   339   57    1   1     1   164.7   86.3 31.8        1         0 134
## 340   340   60    1   1     0   160.7   88.9 34.4        0         0 124
## 341   341   70    1   3     2   173.1   89.9 30.0        1         1 142
## 342   342   60    1   4     0   161.0   82.0 31.6        1         1 133
## 343   343   68    1   1     1   167.2   87.2 31.2        1         0 144
## 344   344   54    0   1     1   165.3   76.5 28.0        1         1 137
## 345   345   56    1   1     1   173.9   70.2 23.2        1         0 148
## 346   346   57    0   1     1   182.5   85.5 25.7        1         1 136
## 347   347   66    1   1     0   172.1   74.7 25.2        1         0 137
## 348   348   60    1   1     1   173.7   69.9 23.2        0         0 121
## 349   349   61    0   1     2   162.8   77.0 29.1        0         0 126
## 350   350   58    0   1     1   171.3   75.4 25.7        1         0 145
## 351   351   57    0   3     1   167.0   87.7 31.4        1         0 132
## 352   352   60    1   1     2   168.8   79.2 27.8        0         0 128
```

## 353	353	53	0	1	0	173.5	74.6	24.8	0	0	128
## 354	354	61	1	1	0	165.8	70.9	25.8	0	0	109
## 355	355	67	0	4	2	167.9	77.7	27.5	1	1	144
## 356	356	53	1	1	0	174.2	76.4	25.2	0	0	124
## 357	357	71	1	3	0	176.6	74.6	23.9	0	0	130
## 358	358	65	1	1	0	161.8	93.6	35.7	1	0	149
## 359	359	62	0	3	0	163.7	67.2	25.1	1	0	135
## 360	360	65	1	3	1	176.8	88.0	28.2	1	0	151
## 361	361	61	0	2	0	177.2	79.6	25.4	1	0	138
## 362	362	62	0	1	1	155.5	88.7	36.7	1	0	136
## 363	363	58	0	1	0	172.1	72.9	24.6	1	0	139
## 364	364	61	0	3	1	161.9	84.5	32.2	1	1	140
## 365	365	65	1	3	0	172.1	87.1	29.4	1	0	137
## 366	366	56	0	2	0	172.1	70.2	23.7	1	0	133
## 367	367	51	0	1	2	181.4	81.2	24.7	0	1	115
## 368	368	56	0	1	1	170.7	84.9	29.1	0	0	122
## 369	369	53	1	1	1	163.9	73.2	27.3	0	0	126
## 370	370	67	0	2	0	170.6	70.2	24.1	1	0	146
## 371	371	61	1	4	0	171.6	79.0	26.8	1	0	139
## 372	372	51	0	1	0	168.3	86.9	30.7	0	0	121
## 373	373	61	0	1	0	173.9	92.2	30.5	0	0	119
## 374	374	56	1	1	0	165.8	80.7	29.4	0	0	126
## 375	375	66	1	1	0	167.1	69.5	24.9	1	0	133
## 376	376	62	1	1	1	169.7	82.9	28.8	1	0	132
## 377	377	59	0	1	0	162.4	65.7	24.9	1	0	138
## 378	378	58	1	3	0	159.4	80.5	31.7	0	1	129
## 379	379	60	1	1	0	175.1	78.4	25.6	0	0	118
## 380	380	57	0	1	0	180.0	87.8	27.1	0	0	123
## 381	381	61	0	1	0	181.1	72.6	22.1	1	1	137
## 382	382	56	0	2	1	162.7	76.5	28.9	1	0	153
## 383	383	59	0	1	0	175.7	81.0	26.2	0	0	121
## 384	384	62	0	1	0	173.8	89.2	29.5	0	0	128
## 385	385	54	0	1	1	173.5	76.7	25.5	0	0	116
## 386	386	61	1	1	1	173.0	82.7	27.6	1	0	138
## 387	387	64	0	1	1	170.2	72.4	25.0	1	0	136
## 388	388	58	1	1	0	176.7	84.8	27.2	0	0	117
## 389	389	61	1	3	0	173.7	86.0	28.5	1	1	145
## 390	390	66	1	1	0	170.6	84.6	29.1	0	1	128
## 391	391	61	1	1	0	163.8	83.4	31.1	1	0	142
## 392	392	65	1	1	0	169.0	85.9	30.1	1	0	131
## 393	393	60	0	1	0	174.3	86.1	28.3	1	0	131
## 394	394	56	0	1	1	177.9	85.0	26.9	1	0	131
## 395	395	70	0	3	1	168.3	77.7	27.4	1	0	135
## 396	396	56	0	1	0	158.5	88.9	35.4	1	0	132
## 397	397	59	0	1	0	168.3	79.5	28.1	1	0	140
## 398	398	57	1	3	0	169.1	71.7	25.1	0	0	127
## 399	399	57	0	1	0	170.0	85.6	29.6	1	0	133
## 400	400	59	1	1	0	165.0	67.5	24.8	0	0	129
## 401	401	60	1	1	1	173.9	75.1	24.8	0	0	129
## 402	402	68	1	1	1	168.5	82.5	29.1	1	0	134
## 403	403	58	0	1	1	178.5	86.3	27.1	0	1	128
## 404	404	58	0	1	1	159.9	68.6	26.8	0	0	128
## 405	405	57	1	1	0	177.3	84.4	26.8	1	0	138
## 406	406	59	1	4	0	169.7	77.9	27.0	0	0	129

```
## 407  407  56  1  4  2  173.4  84.7 28.2  0  0 125
## 408  408  59  0  1  0  167.1  79.4 28.5  0  0 125
## 409  409  59  0  1  1  174.8  83.6 27.4  0  0 125
## 410  410  53  1  2  0  164.5  89.1 32.9  1  0 136
## 411  411  58  1  1  0  171.1  73.3 25.1  0  0 127
## 412  412  62  1  1  0  161.6  79.0 30.3  0  0 125
## 413  413  65  0  1  0  177.0  72.0 23.0  1  0 141
## 414  414  62  0  1  1  168.4  73.4 25.9  1  0 142
## 415  415  61  0  3  1  172.7  76.8 25.7  1  0 135
## 416  416  67  1  3  2  173.5  79.3 26.3  1  0 136
## 417  417  61  1  1  0  169.8  79.8 27.7  1  0 141
## 418  418  58  0  1  0  172.6  96.2 32.3  0  0 123
## 419  419  71  1  1  0  175.6  77.1 25.0  1  0 136
## 420  420  59  1  1  1  163.7  71.4 26.6  1  0 138
## 421  421  66  1  1  0  167.8  75.1 26.7  1  0 142
## 422  422  59  0  3  0  154.2  67.0 28.2  0  1 127
## 423  423  56  0  1  0  175.0  89.0 29.0  0  0 127
## 424  424  53  1  1  0  169.5  68.9 24.0  0  0 120
## 425  425  54  1  1  0  169.6  74.8 26.0  0  0 121
## 426  426  64  0  1  2  168.0  68.5 24.3  0  0 129
## 427  427  65  0  1  0  173.4  79.8 26.5  0  0 130
## 428  428  65  1  3  1  168.0  69.0 24.4  1  1 141
## 429  429  57  1  3  0  166.2  78.7 28.5  0  1 125
## 430  430  70  0  1  0  170.4  89.9 31.0  0  0 128
## 431  431  57  1  1  1  161.5  77.3 29.6  1  0 132
## 432  432  61  1  4  0  168.8  75.8 26.6  0  0 127
## 433  433  62  1  4  0  167.6  66.4 23.6  0  0 127
## 434  434  53  0  4  0  167.3  70.4 25.2  0  0 119
## 435  435  67  0  1  0  165.5  89.8 32.8  1  0 148
## 436  436  62  1  1  0  179.5  80.6 25.0  0  0 126
## 437  437  56  0  1  1  173.8  77.9 25.8  0  0 127
## 438  438  77  1  1  2  168.0  86.3 30.6  1  0 153
## 439  439  63  1  1  0  164.6  81.8 30.2  1  0 132
## 440  440  65  0  1  0  159.6  82.8 32.5  1  0 134
## 441  441  64  1  1  0  165.6  73.4 26.8  1  0 137
## 442  442  60  0  3  0  165.6  78.0 28.4  1  0 133
## 443  443  60  1  1  0  170.0  87.5 30.3  0  1 129
## 444  444  62  1  1  1  167.3  71.5 25.5  1  0 132
## 445  445  61  0  1  1  169.0  82.4 28.8  1  0 132
## 446  446  59  1  1  2  167.4  81.4 29.0  0  0 119
## 447  447  64  1  1  0  156.0  83.8 34.5  0  0 126
## 448  448  58  1  4  1  175.7  77.0 25.0  0  0 121
## 449  449  66  1  3  1  158.5  90.3 35.9  1  0 137
## 450  450  59  0  1  0  166.4  72.1 26.0  0  1 129
## 451  451  61  1  4  0  168.1  75.1 26.5  0  0 130
## 452  452  60  1  1  2  178.2  74.9 23.6  0  0 126
## 453  453  62  0  1  0  172.8  75.0 25.1  0  0 130
## 454  454  63  0  1  2  171.0  81.0 27.7  1  0 144
## 455  455  62  1  3  0  168.9  70.8 24.8  1  1 141
## 456  456  59  1  1  0  175.2  76.0 24.8  0  0 122
## 457  457  62  0  1  2  179.2  78.5 24.5  0  0 130
## 458  458  68  1  1  0  161.4  80.5 30.9  1  0 144
## 459  459  64  1  4  0  180.1  81.3 25.1  1  1 145
## 460  460  60  1  1  0  184.0  78.6 23.2  1  0 137
```

```
## 461   461  60     1     1        0   172.9    72.4 24.2           1          0 132
## 462   462  64     0     3        0   176.7    85.0 27.2           1          0 132
## 463   463  60     0     1        1   168.2    82.0 29.0           0          0 128
## 464   464  63     0     2        0   176.8    86.6 27.7           1          0 139
## 465   465  64     0     2        0   161.7    80.2 30.7           1          0 141
## 466   466  56     1     3        2   174.9    70.1 22.9           1          1 138
## 467   467  58     0     1        1   179.1    87.7 27.3           0          0 118
## 468   468  67     1     1        2   179.8    79.2 24.5           1          1 140
## 469   469  54     0     3        2   173.4    73.0 24.3           0          1 121
## 470   470  72     0     3        0   172.5    77.1 25.9           1          0 132
## 471   471  64     0     1        1   164.2    71.4 26.5           1          0 136
## 472   472  59     0     3        0   159.5    74.2 29.1           0          0 129
## 473   473  57     0     4        0   182.7    81.7 24.5           0          0 129
## 474   474  65     0     3        0   166.6    75.9 27.4           1          0 136
## 475   475  61     1     1        1   172.8    82.7 27.7           1          0 131
## 476   476  60     1     1        0   166.0    79.1 28.7           0          0 125
## 477   477  53     1     4        0   166.5    81.7 29.5           0          1 121
## 478   478  72     0     4        1   179.5    94.0 29.2           1          0 133
## 479   479  62     0     1        0   170.5    85.6 29.5           1          0 137
## 480   480  60     1     1        0   175.6    80.0 26.0           0          0 130
## 481   481  55     0     1        1   163.5    86.0 32.2           0          0 117
## 482   482  68     1     1        2   167.0    62.3 22.3           1          0 133
## 483   483  60     1     1        1   171.2    88.0 30.0           1          0 132
## 484   484  59     1     1        0   173.0    78.1 26.1           0          0 121
## 485   485  64     1     3        2   178.2    75.5 23.8           1          0 134
## 486   486  58     0     1        0   166.8    80.0 28.8           1          0 131
## 487   487  61     1     3        1   168.1    95.0 33.6           0          0 128
## 488   488  56     0     1        0   166.7    72.1 26.0           0          0 130
## 489   489  54     1     3        1   167.0    79.1 28.4           0          0 127
## 490   490  50     1     1        1   171.2    91.9 31.4           0          0 106
## 491   491  70     0     3        0   156.7    83.3 33.9           1          1 144
## 492   492  58     1     1        1   172.4    79.7 26.8           0          0 127
## 493   493  59     1     1        1   172.0    79.7 27.0           1          0 146
## 494   494  53     1     3        0   175.1    85.9 28.0           0          1 107
## 495   495  56     1     1        0   161.4    76.2 29.3           1          0 138
## 496   496  62     0     1        0   165.0    75.5 27.7           0          0 126
## 497   497  63     0     1        1   158.9    88.1 34.9           1          0 137
## 498   498  61     1     1        1   182.2    91.9 27.7           1          0 134
## 499   499  62     0     4        0   173.4    87.1 29.0           1          0 136
## 500   500  63     1     3        0   159.6    77.7 30.5           1          0 138
## 501   501  67     1     1        1   168.1    64.7 22.9           1          0 139
## 502   502  67     1     1        0   174.3    73.5 24.2           1          1 136
## 503   503  57     0     1        1   166.1    74.6 27.0           1          0 131
## 504   504  75     0     1        1   178.6    75.9 23.8           1          0 146
## 505   505  52     0     1        2   172.7    82.4 27.6           0          0 121
## 506   506  58     1     3        0   180.2    83.1 25.6           1          1 134
## 507   507  67     0     1        1   171.5    68.1 23.2           1          0 131
## 508   508  66     0     1        0   171.8    87.4 29.6           1          0 131
## 509   509  46     1     3        0   178.1    73.8 23.3           0          0 110
## 510   510  61     1     4        0   166.9    73.5 26.4           0          1 128
## 511   511  54     1     1        0   154.9    66.2 27.6           0          0 126
## 512   512  63     0     1        0   162.4    84.6 32.1           0          1 127
## 513   513  52     0     3        0   163.5    90.4 33.8           0          0 129
## 514   514  63     0     2        2   174.1    78.4 25.9           1          0 145
```

```
## 515   515   65   0   3   0   164.0   69.8 25.9        0        0 130
## 516   516   61   1   1   2   166.2   75.4 27.3        0        1 114
## 517   517   62   1   1   0   164.2   85.0 31.5        1        0 136
## 518   518   60   1   2   1   173.5   78.4 26.1        0        1 123
## 519   519   69   0   4   0   169.1   80.2 28.1        1        1 149
## 520   520   60   1   4   0   168.9   83.3 29.2        0        0 128
## 521   521   57   1   1   0   171.0   85.5 29.2        0        0 124
## 522   522   56   0   1   1   170.0   84.0 29.1        0        0 125
## 523   523   53   0   1   0   171.0   78.1 26.7        0        0 115
## 524   524   58   1   1   0   159.5   71.6 28.2        1        1 134
## 525   525   62   0   1   0   168.8   76.5 26.9        1        1 134
## 526   526   67   0   2   0   169.8   89.8 31.2        1        1 144
## 527   527   55   0   4   0   170.8   78.3 26.8        0        0 130
## 528   528   57   1   3   0   162.8   80.1 30.2        0        0 124
## 529   529   57   0   1   1   161.9   84.7 32.3        1        0 145
## 530   530   62   1   1   2   176.2   82.7 26.6        1        0 131
## 531   531   65   0   1   0   160.4   74.4 28.9        1        0 137
## 532   532   54   1   3   0   169.7   84.3 29.3        0        0 123
## 533   533   61   1   1   0   168.5   80.4 28.3        1        0 136
## 534   534   60   0   1   0   171.4   72.7 24.8        1        0 137
## 535   535   63   1   2   1   180.7   85.9 26.3        1        0 131
## 536   536   57   1   2   0   162.8   82.6 31.2        0        0 128
## 537   537   60   1   1   0   169.2   89.9 31.4        1        0 134
## 538   538   65   0   3   0   174.5   75.4 24.8        1        0 137
## 539   539   60   0   2   0   170.0   72.8 25.2        0        0 124
## 540   540   56   1   3   1   174.0   75.8 25.0        1        0 132
## 541   541   65   0   1   2   172.3   70.2 23.6        1        0 143
## 542   542   55   1   3   0   174.1   86.1 28.4        0        0 108
## 543   543   58   0   3   1   168.6   79.2 27.9        0        0 115
## 544   544   61   1   1   0   154.2   73.4 30.8        1        0 142
## 545   545   65   0   1   1   160.3   75.0 29.2        1        0 139
## 546   546   63   0   1   0   176.5   84.2 27.0        0        0 121
## 547   547   55   0   1   0   168.4   82.5 29.1        1        0 139
## 548   548   60   1   2   0   166.1   69.4 25.2        0        0 130
## 549   549   63   1   1   0   175.5   74.5 24.2        1        0 140
## 550   550   64   1   1   1   167.5   72.7 25.9        0        0 130
## 551   551   61   1   1   0   171.9   87.4 29.6        1        0 139
## 552   552   51   0   3   1   162.8   75.6 28.5        1        1 132
## 553   553   62   0   3   1   169.2   90.8 31.7        0        0 121
## 554   554   64   1   1   0   159.3   71.2 28.1        1        0 141
## 555   555   61   1   1   1   160.6   81.8 31.7        1        1 135
## 556   556   63   0   3   1   168.5   80.1 28.2        1        1 135
## 557   557   59   0   1   0   171.0   79.9 27.3        0        0 125
## 558   558   55   1   1   0   170.0   74.0 25.6        0        0 120
## 559   559   63   1   1   0   165.9   64.9 23.6        1        0 136
## 560   560   61   1   1   0   179.0   75.7 23.6        1        0 143
## 561   561   62   1   1   2   158.6   76.3 30.3        0        0 128
## 562   562   71   0   1   1   173.2   86.9 29.0        1        0 134
## 563   563   63   1   1   1   165.3   72.6 26.6        1        1 140
## 564   564   58   0   1   0   170.5   71.8 24.7        0        0 123
## 565   565   59   1   3   0   166.3   76.5 27.7        0        0 125
## 566   566   60   0   3   0   167.0   83.1 29.8        0        0 126
## 567   567   49   0   1   1   171.1   71.6 24.5        0        1 118
## 568   568   53   1   1   0   174.2   72.3 23.8        0        0 114
```

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## 569   569   68   1   1   0   177.8   85.7 27.1        1        0 142
## 570   570   55   0   1   1   174.0   85.2 28.2        0        0 124
## 571   571   64   1   4   0   168.5   90.7 31.9        1        1 136
## 572   572   61   1   1   0   177.1   80.8 25.7        1        0 137
## 573   573   59   1   1   0   169.4   77.4 27.0        1        0 140
## 574   574   62   1   1   2   174.3   93.6 30.8        1        1 133
## 575   575   66   0   1   0   167.2   79.3 28.4        0        0 130
## 576   576   62   1   1   0   170.5   81.1 27.9        1        1 131
## 577   577   61   1   1   0   163.4   83.4 31.2        0        1 130
## 578   578   62   0   2   0   166.8   85.1 30.6        0        1 130
## 579   579   59   0   3   0   171.6   86.9 29.5        1        0 136
## 580   580   60   0   3   0   163.9   93.1 34.6        1        0 141
## 581   581   65   0   1   2   164.8   70.9 26.1        1        0 140
## 582   582   53   0   1   1   166.6   76.8 27.7        0        0 127
## 583   583   52   1   3   0   174.7   88.2 28.9        0        0 126
## 584   584   54   1   1   0   170.1   75.1 26.0        1        0 133
## 585   585   61   1   1   0   170.3   76.8 26.5        1        0 138
## 586   586   63   1   3   1   179.1   93.5 29.2        1        0 149
## 587   587   58   0   1   0   168.4   74.1 26.1        1        0 134
## 588   588   63   0   3   0   169.2   69.3 24.2        1        0 140
## 589   589   60   1   3   2   176.1   75.9 24.5        1        0 140
## 590   590   60   1   1   0   177.6   85.8 27.2        1        0 134
## 591   591   61   0   3   0   160.0   78.2 30.5        0        0 124
## 592   592   67   0   1   1   165.6   78.2 28.5        1        0 139
## 593   593   61   1   1   0   182.0   71.6 21.6        0        0 124
## 594   594   54   0   4   0   177.5   74.4 23.6        0        0 129
## 595   595   64   0   1   0   169.5   82.9 28.8        0        0 124
## 596   596   62   1   3   0   163.3   76.6 28.7        0        0 125
## 597   597   57   0   1   0   161.1   84.2 32.4        0        0 124
## 598   598   63   0   3   1   162.6   78.9 29.9        0        0 124
## 599   599   61   0   3   0   166.2   66.3 24.0        0        0 119
## 600   600   53   0   1   0   165.8   82.2 29.9        0        0 119
## 601   601   57   0   1   1   167.6   82.6 29.4        1        0 145
## 602   602   62   0   3   0   166.0   76.3 27.7        0        0 127
## 603   603   64   0   1   1   179.3   86.1 26.8        0        0 121
## 604   604   74   0   4   0   161.9   90.3 34.5        0        0 128
## 605   605   56   1   1   0   177.4   86.1 27.4        0        0 124
## 606   606   65   0   3   1   167.4   84.3 30.1        0        0 127
## 607   607   64   0   4   0   159.9   70.7 27.6        0        0 126
## 608   608   60   0   1   0   178.9   78.9 24.7        1        0 135
## 609   609   63   1   3   0   183.8   83.2 24.6        0        0 129
## 610   610   59   1   4   0   160.0   79.3 31.0        1        0 133
## 611   611   49   1   1   2   166.3   77.5 28.0        0        0 124
## 612   612   66   0   1   0   173.6   86.6 28.7        1        0 147
## 613   613   65   1   4   0   177.3   93.2 29.7        1        0 147
## 614   614   68   0   3   0   173.1   85.8 28.7        1        1 131
## 615   615   63   1   4   0   173.0   68.3 22.8        1        0 141
## 616   616   56   0   1   0   174.1   87.1 28.7        0        0 126
## 617   617   60   1   1   0   170.9   78.2 26.8        1        0 133
## 618   618   50   1   3   0   167.6   77.1 27.4        0        0 130
## 619   619   58   0   1   2   174.5   71.2 23.4        1        1 136
## 620   620   60   1   1   0   170.0   80.7 27.9        0        0 128
## 621   621   61   1   1   2   175.2   74.6 24.3        1        0 135
## 622   622   53   1   4   0   160.8   73.3 28.3        0        0 121
```

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## 623   623  68    0    1      0   175.1    80.9 26.4         1         0 141
## 624   624  63    0    1      0   166.7    76.9 27.7         1         0 138
## 625   625  64    0    1      0   170.4    70.1 24.2         0         0 130
## 626   626  57    0    1      0   163.2    95.2 35.7         0         0 129
## 627   627  66    0    1      0   170.9    78.5 26.9         1         0 141
## 628   628  64    1    1      0   176.5    70.0 22.5         1         0 135
## 629   629  57    0    3      0   165.6    85.1 31.0         0         0 124
## 630   630  56    0    1      0   169.6    67.1 23.3         0         0 127
## 631   631  61    1    1      0   172.7    76.1 25.5         0         0 124
## 632   632  62    0    1      1   161.8    71.6 27.3         1         0 135
## 633   633  59    1    1      1   168.9    80.8 28.3         1         0 141
## 634   634  60    1    1      0   171.8    87.3 29.6         1         0 133
## 635   635  56    1    4      0   169.0    77.2 27.0         0         0 124
## 636   636  60    1    1      0   177.0    74.4 23.8         1         0 137
## 637   637  64    1    1      0   167.0    72.7 26.1         1         0 134
## 638   638  62    0    1      0   162.3    81.5 30.9         0         0 127
## 639   639  62    0    4      1   170.2    86.7 29.9         1         0 136
## 640   640  57    0    3      1   168.0    79.8 28.3         0         0 124
## 641   641  60    0    1      0   168.1    85.3 30.2         0         1 124
## 642   642  57    1    1      0   170.8    86.1 29.5         0         0 125
## 643   643  55    1    1      0   170.1    76.4 26.4         0         0 117
## 644   644  59    0    2      2   172.9    82.8 27.7         0         0 129
## 645   645  56    1    1      0   175.0    74.3 24.3         1         0 137
## 646   646  56    1    1      0   171.3   100.2 34.1         1         0 131
## 647   647  57    1    1      1   178.3    77.8 24.5         1         0 143
## 648   648  57    1    3      2   172.0    82.2 27.8         0         0 129
## 649   649  65    1    1      1   174.2    79.6 26.2         1         0 138
## 650   650  55    0    1      0   167.6    75.3 26.8         0         0 128
## 651   651  57    1    3      0   165.8    75.0 27.3         0         0 129
## 652   652  65    0    1      0   162.4    86.4 32.8         0         0 130
## 653   653  60    1    1      1   166.1    86.7 31.4         1         0 133
## 654   654  63    0    3      0   173.5    74.7 24.8         0         0 129
## 655   655  61    1    1      0   163.7    79.6 29.7         0         1 126
## 656   656  64    0    4      1   170.7    71.1 24.4         0         1 115
## 657   657  59    1    2      0   166.6    67.8 24.4         0         0 125
## 658   658  52    1    1      1   161.3    72.1 27.7         0         0 123
## 659   659  54    0    1      0   172.9    71.6 24.0         0         0 130
## 660   660  57    0    1      0   172.6    79.0 26.5         0         1 129
## 661   661  59    1    1      0   176.2    81.6 26.3         0         0 128
## 662   662  60    0    1      1   173.1    90.4 30.2         0         0 129
## 663   663  63    0    2      2   183.2    81.4 24.3         1         0 132
## 664   664  56    1    1      2   175.3    73.8 24.0         0         0 117
## 665   665  59    0    3      0   172.6    84.8 28.5         0         0 116
## 666   666  61    0    1      1   170.3    73.4 25.3         0         1 128
## 667   667  67    1    1      0   169.2    81.9 28.6         0         0 129
## 668   668  51    0    2      0   168.6    77.1 27.1         0         0 119
## 669   669  56    1    3      1   164.0    78.6 29.3         0         0 125
## 670   670  59    0    1      0   166.3    81.2 29.4         1         0 135
## 671   671  61    0    2      0   161.8    82.9 31.6         0         0 127
## 672   672  57    0    1      0   167.2    77.7 27.8         0         0 115
## 673   673  61    1    1      0   176.7    79.7 25.5         0         0 128
## 674   674  64    0    3      0   168.5    69.6 24.5         1         0 140
## 675   675  60    0    1      0   163.3    87.8 32.9         0         1 130
## 676   676  71    1    1      0   165.5    73.4 26.8         1         0 135
```

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## 677   677   65     1     1         0   166.7    90.5 32.6              1              1 135
## 678   678   67     1     3         1   171.2    86.0 29.3              0              0 130
## 679   679   61     1     4         2   174.1    85.7 28.3              0              0 130
## 680   680   55     0     1         1   170.4    87.8 30.2              0              0 130
## 681   681   61     1     4         0   171.7    93.7 31.8              0              0 124
## 682   682   52     0     1         1   160.9    74.7 28.9              0              0 128
## 683   683   61     1     3         1   164.0    67.4 25.1              1              0 131
## 684   684   62     0     4         0   173.0    76.4 25.5              0              0 117
## 685   685   56     0     3         1   171.8    86.8 29.4              0              0 123
## 686   686   59     0     1         0   174.0    90.0 29.7              0              0 130
## 687   687   65     1     3         2   175.4    75.1 24.4              0              0 126
## 688   688   64     0     1         2   156.7    84.0 34.2              1              0 135
## 689   689   57     1     1         1   176.0    81.9 26.4              1              0 133
## 690   690   57     1     1         0   175.1    91.2 29.7              1              1 131
## 691   691   59     0     1         0   163.1    67.2 25.3              0              0 126
## 692   692   66     0     1         1   172.8    77.8 26.1              0              0 128
## 693   693   66     0     3         1   173.6    81.4 27.0              1              0 135
## 694   694   66     0     3         0   169.4    89.1 31.0              1              0 138
## 695   695   71     1     1         0   160.0    91.9 35.9              1              0 135
## 696   696   56     0     1         0   167.1    79.4 28.4              0              0 116
## 697   697   63     1     3         2   167.0    81.8 29.3              1              0 137
## 698   698   59     1     1         1   156.9    69.5 28.2              1              0 135
## 699   699   56     1     1         0   175.1    74.6 24.3              0              0 120
## 700   700   64     1     4         0   163.6    81.4 30.4              1              1 136
## 701   701   65     1     1         0   171.7    85.0 28.8              1              0 132
## 702   702   56     1     1         0   175.2    74.3 24.2              0              0 123
## 703   703   60     1     1         0   170.2    73.4 25.4              0              0 130
## 704   704   54     1     4         0   171.1    73.5 25.1              1              1 133
## 705   705   61     0     1         1   168.3    81.2 28.7              0              0 129
## 706   706   63     0     1         1   176.8    82.5 26.4              1              0 131
## 707   707   63     1     1         1   165.6    76.6 27.9              1              0 138
## 708   708   66     0     3         0   162.6    83.8 31.7              1              0 131
## 709   709   56     1     1         1   177.5    78.4 24.9              1              0 132
## 710   710   61     0     1         0   183.2    90.5 27.0              0              0 130
## 711   711   61     1     1         0   187.5    86.7 24.7              0              0 130
## 712   712   67     0     3         0   164.8    73.5 27.1              1              0 133
## 713   713   58     0     1         0   161.9    80.0 30.6              0              0 130
## 714   714   58     0     1         1   166.7    76.5 27.5              0              0 125
## 715   715   52     1     1         1   176.0    76.0 24.5              0              0 115
## 716   716   66     0     1         0   159.3    70.7 27.9              1              0 145
## 717   717   56     1     4         0   169.4    74.7 26.0              0              0 124
## 718   718   61     1     1         2   166.9    78.3 28.1              1              0 131
## 719   719   65     1     3         2   166.1    81.9 29.7              1              0 131
## 720   720   63     0     1         1   184.2    93.4 27.5              1              0 136
## 721   721   65     1     1         0   178.4    80.7 25.4              1              0 147
## 722   722   53     1     2         0   166.4    76.3 27.5              0              0 126
## 723   723   63     1     1         0   167.7    74.4 26.4              1              0 135
## 724   724   62     0     1         0   174.1    74.9 24.7              0              0 125
## 725   725   53     0     4         0   163.2    77.0 28.9              0              0 123
## 726   726   62     1     1         0   174.5    90.6 29.7              0              0 129
## 727   727   62     0     1         0   163.1    70.2 26.4              0              0 130
## 728   728   60     1     1         0   161.9    73.1 27.9              0              0 126
## 729   729   63     0     1         0   163.7    75.4 28.1              1              0 142
## 730   730   51     0     3         0   162.0    67.6 25.7              0              0 130
```

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## 731    731   53    0    1    0   161.4    70.1 26.9         0        0 122
## 732    732   62    1    1    1   172.8    79.6 26.6         0        1 130
## 733    733   59    0    1    0   166.6    75.5 27.2         0        0 128
## 734    734   61    1    1    0   169.3    79.7 27.8         1        1 140
## 735    735   57    1    3    0   173.8    75.2 24.9         0        0 129
## 736    736   57    0    1    1   168.7    98.9 34.8         0        0 118
## 737    737   68    0    1    0   168.2    82.7 29.2         1        0 132
## 738    738   65    0    3    0   178.2    89.6 28.2         0        0 128
## 739    739   66    0    3    1   179.3    75.0 23.3         1        0 140
## 740    740   58    0    1    0   178.0    78.3 24.7         0        0 126
## 741    741   60    0    4    0   161.8    82.0 31.3         1        0 133
## 742    742   64    0    1    0   173.5    70.4 23.4         1        1 148
## 743    743   64    1    3    0   171.5    75.7 25.7         0        0 130
## 744    744   59    1    1    1   172.9    82.9 27.7         0        0 129
## 745    745   70    0    1    0   155.7    84.3 34.8         0        0 130
## 746    746   59    0    1    2   176.6    96.4 30.9         0        1 117
## 747    747   64    1    3    2   187.4    87.0 24.8         1        1 137
## 748    748   57    1    1    1   172.8    75.2 25.2         0        0 111
## 749    749   61    0    3    2   168.0    87.2 30.9         0        0 120
## 750    750   52    0    1    0   169.0    80.9 28.3         0        0 127
## 751    751   61    0    1    0   172.6    85.6 28.8         0        1 127
## 752    752   61    0    2    1   173.5    89.5 29.7         0        0 125
## 753    753   57    0    1    1   166.5    87.8 31.7         0        0 125
## 754    754   64    1    4    1   170.7    79.9 27.4         1        0 133
## 755    755   60    1    1    0   164.8    75.4 27.8         1        0 139
## 756    756   50    0    1    0   169.6    80.8 28.1         0        0 120
## 757    757   64    1    3    1   165.9    78.3 28.5         1        0 132
## 758    758   66    0    3    0   164.6    80.3 29.6         1        0 140
## 759    759   60    1    3    0   169.7    76.1 26.4         1        1 135
## 760    760   58    1    1    0   183.2    76.6 22.8         0        0 125
## 761    761   57    0    1    1   169.5    76.1 26.5         0        0 124
## 762    762   55    0    3    0   176.7    93.5 29.9         1        0 133
## 763    763   56    0    1    2   167.0    80.4 28.9         1        0 134
## 764    764   62    1    3    0   172.2    81.5 27.5         0        0 130
## 765    765   73    1    2    0   175.5    80.2 26.0         1        1 140
## 766    766   66    1    1    0   173.9    70.4 23.3         0        0 130
## 767    767   57    0    3    0   164.3    73.7 27.3         0        0 121
## 768    768   64    0    1    0   172.5    80.6 27.1         1        1 134
## 769    769   58    1    3    0   180.9   100.6 30.7         0        0 129
## 770    770   61    1    1    0   176.9    85.5 27.3         1        0 139
## 771    771   60    0    3    0   174.8    77.1 25.2         1        0 142
## 772    772   63    0    1    0   166.4    89.3 32.3         1        0 139
## 773    773   64    0    1    0   162.4    81.5 30.9         0        0 125
## 774    774   59    0    1    0   171.1    77.4 26.4         0        0 127
## 775    775   64    0    1    0   167.0    62.4 22.4         1        1 138
## 776    776   64    0    4    0   171.2    83.1 28.4         0        0 122
## 777    777   62    1    3    0   180.7    80.8 24.7         1        0 144
## 778    778   65    1    1    0   179.8    93.6 29.0         1        1 141
## 779    779   64    1    1    1   165.0    80.9 29.7         1        0 137
## 780    780   60    0    1    0   175.1    68.5 22.3         1        0 140
## 781    781   67    1    3    1   184.7    82.5 24.2         1        0 141
## 782    782   58    0    3    1   171.8    87.2 29.6         1        0 133
## 783    783   66    1    2    1   167.7    79.3 28.2         1        0 139
## 784    784   55    1    1    1   169.0    79.3 27.8         0        1 126
```

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## 785   785   55      1      1        0   176.1    66.3 21.4          1          0 138
## 786   786   60      0      3        0   170.8    71.6 24.5          0          0 129
## 787   787   62      1      1        0   182.0    91.0 27.5          0          0 127
## 788   788   58      0      1        0   171.5    79.9 27.2          1          0 135
## 789   789   67      0      1        2   166.8    87.2 31.4          1          0 137
## 790   790   63      0      1        1   174.8    88.1 28.8          1          0 138
## 791   791   54      1      1        0   173.2    65.9 22.0          0          0 111
## 792   792   62      1      3        0   169.7    57.8 20.1          1          0 132
## 793   793   58      0      1        1   165.7    79.2 28.9          0          0 118
## 794   794   65      0      1        0   161.8    90.6 34.6          1          0 135
## 795   795   63      1      3        0   178.3    80.7 25.4          0          0 129
## 796   796   55      0      1        1   166.2    72.9 26.4          0          0 121
## 797   797   62      1      1        0   164.5    90.8 33.6          1          0 137
## 798   798   62      1      1        1   174.0    92.2 30.5          0          0 126
## 799   799   66      1      1        0   167.8    79.3 28.2          1          0 142
## 800   800   61      1      1        0   163.7    64.7 24.2          1          1 135
## 801   801   61      0      1        0   170.6    87.1 29.9          1          0 138
## 802   802   62      1      1        0   167.4    80.6 28.8          1          0 136
## 803   803   59      0      1        0   174.1    76.5 25.2          0          0 123
## 804   804   57      0      4        2   168.1    73.5 26.0          0          0 122
## 805   805   69      0      1        0   162.6    92.8 35.1          0          0 130
## 806   806   64      1      1        2   169.7    90.0 31.2          0          0 128
## 807   807   65      0      1        0   178.1    78.2 24.6          1          0 138
## 808   808   62      1      1        0   166.7    85.3 30.7          1          0 135
## 809   809   67      1      1        1   166.9    87.9 31.6          1          0 144
## 810   810   65      0      3        1   165.4    82.4 30.1          1          0 138
## 811   811   51      0      1        0   170.5    89.0 30.6          0          1 108
## 812   812   48      0      4        0   167.3    70.8 25.3          0          1 123
## 813   813   57      0      4        0   181.1    84.7 25.8          1          0 139
## 814   814   60      1      1        1   170.6    79.0 27.2          1          0 138
## 815   815   56      0      1        1   170.4    82.3 28.4          0          0 120
## 816   816   60      0      1        0   171.4    81.7 27.8          1          0 141
## 817   817   67      1      1        1   172.4    78.6 26.5          0          0 125
## 818   818   47      1      1        0   167.7    73.1 26.0          0          1 130
## 819   819   59      0      2        0   175.5    94.5 30.7          1          0 139
## 820   820   57      1      1        2   158.7    78.6 31.2          0          0 123
## 821   821   56      1      1        0   173.3    77.4 25.8          1          1 134
## 822   822   55      0      3        0   171.0    82.4 28.2          0          0 126
## 823   823   67      0      1        1   175.4    85.3 27.7          0          0 121
## 824   824   59      0      1        0   163.7    75.2 28.0          0          0 124
## 825   825   58      1      2        0   162.0    76.0 28.9          0          0 128
## 826   826   54      0      1        2   167.6    72.5 25.8          0          0 125
## 827   827   64      0      1        2   177.1    86.2 27.5          1          0 131
## 828   828   56      0      1        0   166.0    70.2 25.5          0          0 129
## 829   829   55      0      1        0   168.6    74.6 26.3          0          0 130
## 830   830   58      1      1        0   167.2    74.2 26.5          0          1 127
## 831   831   54      0      1        0   168.1    66.1 23.4          0          0 129
## 832   832   60      0      1        0   173.0    75.8 25.3          1          1 134
## 833   833   65      1      1        0   181.5    88.1 26.7          1          0 137
## 834   834   66      1      1        0   172.4    76.9 25.9          1          0 139
## 835   835   64      0      1        0   167.8    67.6 24.0          0          0 124
## 836   836   55      0      1        0   169.3    69.3 24.2          1          0 139
## 837   837   59      1      1        0   166.7    77.4 27.9          0          0 125
## 838   838   60      1      1        0   166.9    77.8 27.9          0          1 128
```

```
## 839   839   58   1   1      1   177.6   87.0 27.6        0        0 124
## 840   840   56   1   1      0   172.7   84.1 28.2        0        0 126
## 841   841   67   1   3      0   170.2   72.4 25.0        1        0 132
## 842   842   61   1   1      1   165.6   77.0 28.1        0        0 123
## 843   843   64   0   1      0   167.0   71.1 25.5        0        0 124
## 844   844   61   0   1      1   162.5   73.3 27.8        1        0 131
## 845   845   53   1   1      2   173.0   79.4 26.5        0        0 130
## 846   846   54   1   1      0   175.2   83.7 27.3        0        0 125
## 847   847   61   1   2      0   172.1   76.3 25.8        1        0 132
## 848   848   60   0   3      0   177.7   89.4 28.3        1        1 139
## 849   849   54   1   4      1   169.2   79.2 27.6        1        1 137
## 850   850   58   0   1      0   171.5   88.2 30.0        0        0 124
## 851   851   62   1   1      0   176.6   83.4 26.7        0        0 128
## 852   852   58   0   3      0   181.8   86.2 26.1        1        0 135
## 853   853   69   1   1      1   172.9   76.3 25.5        1        0 134
## 854   854   61   0   1      0   170.2   85.7 29.6        0        0 128
## 855   855   61   1   1      1   163.2   63.6 23.9        0        0 117
## 856   856   61   0   3      1   166.1   71.6 26.0        1        0 131
## 857   857   53   0   1      0   161.6   78.4 30.0        0        1 114
## 858   858   59   1   1      0   175.2   80.1 26.1        0        0 128
## 859   859   67   1   1      1   172.3   95.8 32.3        0        0 128
## 860   860   51   0   1      0   179.3   82.3 25.6        0        0 125
## 861   861   59   0   2      0   167.6   65.9 23.5        0        0 128
## 862   862   58   0   1      1   167.3   88.4 31.6        0        1 115
## 863   863   52   0   3      0   171.4   86.1 29.3        0        0 127
## 864   864   60   1   3      0   169.1   79.3 27.7        0        1 127
## 865   865   65   0   1      1   162.0   94.9 36.2        1        0 132
## 866   866   60   1   1      0   177.3   91.3 29.0        0        0 127
## 867   867   56   1   1      2   170.6   77.4 26.6        1        0 132
## 868   868   64   1   1      1   170.0   88.2 30.5        1        0 144
## 869   869   54   0   1      0   164.3   82.2 30.5        0        0 129
## 870   870   64   0   3      1   178.7   79.2 24.8        1        0 137
## 871   871   62   0   2      2   171.9   81.6 27.6        0        0 130
## 872   872   66   0   3      1   164.1   63.3 23.5        1        0 132
## 873   873   64   0   1      2   170.3   77.5 26.7        0        0 130
## 874   874   58   1   3      0   170.4   78.4 27.0        0        0 123
## 875   875   66   1   1      0   161.2   64.1 24.7        1        0 142
## 876   876   56   1   4      0   174.7   69.2 22.7        0        0 128
## 877   877   59   0   1      0   160.2   68.7 26.8        0        0 114
## 878   878   60   0   4      1   171.6   75.2 25.5        0        0 127
## 879   879   56   0   1      1   158.7   82.5 32.8        0        1 128
## 880   880   60   1   1      2   173.2   80.7 26.9        1        0 140
## 881   881   58   0   1      0   166.5   76.8 27.7        1        0 137
## 882   882   60   0   1      1   175.2   64.4 21.0        1        0 138
## 883   883   57   0   1      0   162.1   82.5 31.4        0        0 118
## 884   884   59   0   4      0   163.0   64.8 24.4        0        0 120
## 885   885   61   0   1      0   171.9   82.6 28.0        1        0 134
## 886   886   68   0   1      1   172.6   82.9 27.8        1        0 141
## 887   887   54   1   1      0   166.9   80.0 28.7        0        1 121
## 888   888   52   1   3      0   172.4   74.0 24.9        0        1 125
## 889   889   53   1   1      2   163.6   75.4 28.2        0        0 118
## 890   890   60   1   1      0   170.7   91.6 31.4        0        0 129
## 891   891   57   0   3      0   174.8   85.7 28.0        1        0 133
## 892   892   53   1   1      0   176.8   78.3 25.1        1        0 132
```

## 893	893	54	0	1	0	163.3	78.2	29.3	1	1	132
## 894	894	54	0	3	0	158.0	78.6	31.5	0	1	130
## 895	895	52	1	2	0	173.1	82.7	27.6	0	0	113
## 896	896	55	0	1	0	173.0	78.5	26.2	1	0	131
## 897	897	58	0	1	0	163.6	66.4	24.8	1	0	137
## 898	898	62	0	1	2	178.6	80.9	25.4	1	0	131
## 899	899	64	1	4	1	168.9	89.0	31.2	1	0	151
## 900	900	58	0	1	0	169.2	85.1	29.7	0	0	113
## 901	901	64	0	2	1	163.2	74.3	27.9	1	0	138
## 902	902	58	0	1	0	168.1	74.2	26.3	1	0	145
## 903	903	54	0	1	1	175.2	82.1	26.8	1	0	131
## 904	904	56	0	4	1	179.1	78.9	24.6	1	1	135
## 905	905	56	0	1	2	162.2	74.5	28.3	1	0	137
## 906	906	57	1	1	0	168.7	64.5	22.6	1	0	141
## 907	907	65	0	1	0	174.4	87.4	28.8	0	0	122
## 908	908	64	1	3	1	164.1	79.1	29.4	1	0	138
## 909	909	63	1	1	2	167.0	84.3	30.2	1	0	136
## 910	910	59	0	3	0	168.6	75.3	26.5	0	0	129
## 911	911	63	0	3	1	171.6	85.3	29.0	1	0	133
## 912	912	67	0	1	0	169.4	78.6	27.4	0	0	128
## 913	913	61	0	1	0	159.6	86.6	34.0	1	0	132
## 914	914	66	0	3	2	171.4	88.8	30.2	0	0	119
## 915	915	56	1	1	0	168.7	84.8	29.8	0	0	119
## 916	916	65	1	1	0	169.3	77.8	27.1	0	0	129
## 917	917	63	1	1	1	171.0	87.2	29.8	1	0	141
## 918	918	55	0	1	0	170.7	78.3	26.9	0	1	115
## 919	919	59	1	1	0	185.8	87.3	25.3	0	1	128
## 920	920	68	1	3	0	164.0	79.0	29.3	1	0	137
## 921	921	62	0	1	0	172.6	84.7	28.5	1	0	137
## 922	922	58	1	1	0	167.6	76.3	27.2	0	0	129
## 923	923	58	1	1	0	168.0	86.9	30.8	0	0	127
## 924	924	59	1	4	0	178.2	90.3	28.4	1	0	133
## 925	925	66	0	3	0	167.7	72.3	25.7	1	0	135
## 926	926	62	0	1	0	177.4	81.3	25.8	0	1	130
## 927	927	60	0	1	0	166.4	61.6	22.3	1	0	132
## 928	928	62	0	1	1	160.4	78.7	30.6	0	0	120
## 929	929	61	1	1	1	165.8	88.3	32.1	1	0	140
## 930	930	56	1	1	0	170.8	71.3	24.4	0	0	128
## 931	931	61	1	1	0	169.3	68.4	23.9	0	0	129
## 932	932	60	1	3	0	165.0	73.5	27.0	0	0	129
## 933	933	55	1	1	0	158.5	83.1	33.0	0	0	128
## 934	934	52	1	3	0	170.6	68.9	23.7	0	0	121
## 935	935	60	0	1	2	169.3	72.6	25.3	1	0	137
## 936	936	62	1	1	0	167.4	78.8	28.1	1	0	140
## 937	937	54	1	1	2	158.1	73.0	29.2	1	0	131
## 938	938	53	1	1	0	169.3	89.4	31.2	0	0	117
## 939	939	62	0	2	1	162.4	73.1	27.7	1	1	133
## 940	940	62	1	4	1	174.1	83.6	27.6	0	0	124
## 941	941	63	1	1	1	171.7	80.7	27.4	0	0	115
## 942	942	69	0	2	0	172.6	79.9	26.8	1	1	138
## 943	943	51	1	3	1	168.6	78.3	27.5	0	0	128
## 944	944	60	0	1	0	170.3	67.1	23.1	1	0	131
## 945	945	61	1	3	0	168.6	92.1	32.4	1	0	131
## 946	946	60	1	1	0	163.0	73.3	27.6	1	0	131

```
## 947   947 66     0   1     0 169.2   84.9 29.7           1         0 137
## 948   948 61     0   4     0 173.1   78.4 26.1           0         0 128
## 949   949 57     1   1     0 185.5   76.3 22.2           0         0 118
## 950   950 63     0   1     0 174.1   80.7 26.6           1         0 131
## 951   951 57     0   1     0 169.1   75.0 26.2           0         0 117
## 952   952 53     1   1     0 169.9   85.7 29.7           1         0 143
## 953   953 59     0   1     1 163.2   70.4 26.4           0         0 122
## 954   954 63     1   4     0 175.4   88.7 28.8           1         0 131
## 955   955 58     0   1     0 169.8   87.1 30.2           1         1 137
## 956   956 64     1   1     0 163.1   80.8 30.4           1         0 134
## 957   957 65     0   3     0 177.3   75.2 23.9           0         0 126
## 958   958 59     0   1     0 172.7   64.0 21.4           1         0 139
## 959   959 58     0   3     0 158.5   80.9 32.2           0         0 122
## 960   960 50     0   1     0 169.7   88.6 30.8           0         0 123
## 961   961 62     0   3     0 178.7   74.0 23.2           1         0 143
## 962   962 64     1   3     0 176.1  100.0 32.2           0         0 127
## 963   963 62     1   2     2 167.7   98.3 35.0           0         0 121
## 964   964 56     1   1     0 165.5   78.0 28.5           0         0 118
## 965   965 60     0   1     1 162.6   75.1 28.4           1         0 137
## 966   966 58     1   1     0 171.5   74.5 25.3           1         1 134
## 967   967 56     0   1     1 174.7   96.4 31.6           0         1 126
## 968   968 62     1   1     1 172.0   80.2 27.1           1         0 137
## 969   969 64     1   1     0 170.5   77.2 26.6           1         1 132
## 970   970 57     0   1     1 174.3   84.4 27.8           0         0 120
## 971   971 69     0   1     0 179.2   85.2 26.5           1         1 140
## 972   972 62     1   1     0 168.4   82.6 29.2           1         0 137
## 973   973 57     0   1     0 167.9   86.5 30.7           0         0 121
## 974   974 63     1   1     0 163.0   80.1 30.2           0         0 126
## 975   975 61     1   3     0 181.5   69.4 21.1           1         0 136
## 976   976 63     1   1     1 172.9   95.4 31.9           1         0 135
## 977   977 55     0   1     0 177.7   80.6 25.5           0         0 117
## 978   978 52     1   1     1 163.2   88.9 33.4           0         0 116
## 979   979 53     0   1     1 174.1   75.5 24.9           0         0 127
## 980   980 65     1   1     0 176.9   91.6 29.3           1         0 140
## 981   981 53     1   3     0 170.8   74.6 25.6           1         0 132
## 982   982 61     0   1     2 164.5   78.9 29.1           1         0 136
## 983   983 64     1   1     1 176.3   72.2 23.3           0         0 123
## 984   984 59     0   2     0 160.9   74.8 28.9           0         0 120
## 985   985 68     1   1     1 165.1   70.6 25.9           1         0 141
## 986   986 56     0   1     1 173.6   82.0 27.2           1         0 139
## 987   987 58     0   1     0 177.1   78.6 25.1           1         0 138
## 988   988 63     1   3     0 171.1   74.5 25.5           0         0 127
## 989   989 59     1   1     2 159.5   81.1 31.9           0         0 128
## 990   990 59     0   1     0 161.1   70.2 27.1           1         0 139
## 991   991 67     0   1     0 168.6   70.7 24.9           1         0 133
## 992   992 58     1   4     0 160.0   73.4 28.7           0         0 116
## 993   993 57     0   4     0 166.4   74.3 26.8           0         1 121
## 994   994 66     0   1     1 166.2   87.1 31.5           1         0 138
## 995   995 68     0   1     0 154.5   79.8 33.4           1         0 142
## 996   996 58     0   1     0 162.8   65.1 24.6           0         1 128
## 997   997 55     0   2     0 165.2   72.3 26.5           1         1 135
## 998   998 63     1   1     2 176.2   75.0 24.2           0         0 126
## 999   999 58     1   1     1 176.3   78.6 25.3           0         1 119
## 1000 1000 70     0   1     2 165.2   81.9 30.0           1         1 137
```

```
## 1001 1001 59    0    4    2 172.9    87.9 29.4         1    1 137
## 1002 1002 57    0    1    0 171.6    77.7 26.4         1    0 141
## 1003 1003 62    1    4    0 175.4    75.5 24.5         0    0 129
## 1004 1004 57    0    1    0 176.4    77.7 25.0         0    1 118
## 1005 1005 66    0    1    0 176.1    69.6 22.4         1    0 143
## 1006 1006 60    0    1    0 175.3    76.3 24.8         0    0 130
## 1007 1007 61    0    1    0 162.4    77.5 29.4         1    0 134
## 1008 1008 55    1    1    0 169.0    79.5 27.8         0    0 129
## 1009 1009 63    1    1    0 166.6    92.1 33.2         0    0 124
## 1010 1010 63    0    4    1 178.1    77.9 24.6         1    0 133
## 1011 1011 59    1    1    1 174.3    84.1 27.7         0    1 130
## 1012 1012 64    0    1    0 170.8    90.4 31.0         1    0 133
## 1013 1013 54    0    1    0 181.9    83.7 25.3         0    0 115
## 1014 1014 62    0    1    0 178.2    82.0 25.8         0    1 126
## 1015 1015 58    1    1    2 170.7    81.6 28.0         0    0 127
## 1016 1016 51    0    1    2 158.5    70.5 28.0         0    0 121
## 1017 1017 56    0    4    0 170.4    84.7 29.2         0    0 130
## 1018 1018 50    0    3    0 174.0    70.7 23.4         0    0 126
## 1019 1019 51    1    1    1 178.6    84.3 26.4         0    0 117
## 1020 1020 58    0    1    0 173.7    77.6 25.7         0    0 122
## 1021 1021 62    0    4    2 177.7    88.4 28.0         0    0 125
## 1022 1022 65    1    1    1 160.1    77.1 30.1         0    0 129
## 1023 1023 59    1    1    0 171.6    71.8 24.4         0    0 130
## 1024 1024 59    0    1    2 167.7    79.8 28.4         0    1 126
## 1025 1025 57    0    4    1 177.0    87.8 28.0         0    0 123
## 1026 1026 60    1    1    1 165.3    79.8 29.2         1    0 131
## 1027 1027 62    1    1    0 166.0    84.7 30.7         1    1 136
## 1028 1028 59    0    1    1 171.2    86.7 29.6         1    1 141
## 1029 1029 71    1    1    0 173.5    80.4 26.7         1    1 137
## 1030 1030 61    1    1    2 166.8    85.2 30.6         1    1 139
## 1031 1031 50    1    4    0 175.2    75.0 24.4         0    0 130
## 1032 1032 54    0    1    0 176.2    92.3 29.7         1    0 132
## 1033 1033 64    1    3    0 167.2    86.3 30.9         1    0 132
## 1034 1034 52    1    2    1 165.6    68.0 24.8         0    0 125
## 1035 1035 67    1    4    2 180.4    79.3 24.3         1    0 140
## 1036 1036 65    1    1    0 168.6    87.4 30.7         1    0 139
## 1037 1037 67    0    1    0 168.6    75.0 26.4         1    0 131
## 1038 1038 59    0    1    0 183.1    93.1 27.8         1    0 151
## 1039 1039 61    1    1    1 175.4    92.4 30.0         1    0 144
## 1040 1040 60    0    3    1 176.7    79.2 25.4         0    0 117
## 1041 1041 56    1    3    1 172.0    75.2 25.4         0    0 128
## 1042 1042 62    1    1    1 163.3    80.8 30.3         1    1 138
## 1043 1043 61    1    1    0 164.3    84.5 31.3         0    0 116
## 1044 1044 63    1    3    0 184.7    90.3 26.5         1    0 132
## 1045 1045 61    1    3    1 172.9    83.4 27.9         1    0 142
## 1046 1046 56    0    3    0 175.2    83.8 27.3         1    0 140
## 1047 1047 54    1    1    0 175.8    84.6 27.4         0    0 125
## 1048 1048 61    1    4    0 173.3    78.2 26.0         0    0 124
## 1049 1049 66    0    1    0 177.2    81.2 25.9         0    0 121
## 1050 1050 61    1    4    0 169.2    77.4 27.0         1    0 133
## 1051 1051 62    1    1    0 171.2    85.6 29.2         1    1 140
## 1052 1052 59    0    1    0 167.4    82.3 29.4         0    0 125
## 1053 1053 60    1    3    1 178.0    81.9 25.9         0    0 114
## 1054 1054 68    1    1    0 173.5    68.7 22.8         0    0 125
```

```
## 1055 1055 71   0   1   0   171.4   89.3 30.4        1        0 135
## 1056 1056 52   0   1   0   174.7   89.9 29.5        0        0 124
## 1057 1057 56   1   1   0   182.6   75.9 22.8        0        0 123
## 1058 1058 65   0   1   0   175.2   81.0 26.4        0        0 125
## 1059 1059 56   1   1   0   170.5   79.8 27.4        1        1 134
## 1060 1060 55   0   1   0   172.1   77.3 26.1        0        0 127
## 1061 1061 66   0   3   0   169.5   66.4 23.1        1        0 142
## 1062 1062 56   0   1   1   167.6   78.1 27.8        0        0 127
## 1063 1063 51   0   1   0   167.6   81.2 28.9        0        1 124
## 1064 1064 53   0   1   0   167.9   85.1 30.2        0        0 120
## 1065 1065 65   1   1   0   168.7   85.3 30.0        1        1 140
## 1066 1066 59   1   2   0   161.8   80.7 30.8        0        0 124
## 1067 1067 57   1   1   0   169.1   80.9 28.3        0        0 126
## 1068 1068 56   1   1   0   171.8   85.9 29.1        0        1 126
## 1069 1069 69   0   1   1   171.6   83.9 28.5        1        0 142
## 1070 1070 62   1   1   2   172.4   85.2 28.7        1        0 134
## 1071 1071 60   0   1   0   171.4   83.2 28.3        0        0 121
## 1072 1072 65   1   1   0   165.5   82.4 30.1        1        0 133
## 1073 1073 64   1   1   1   166.4   75.5 27.3        0        0 117
## 1074 1074 53   0   1   2   176.6   83.1 26.7        0        1 115
## 1075 1075 61   0   3   0   166.8   75.7 27.2        0        0 126
## 1076 1076 60   1   1   0   155.9   65.2 26.8        1        1 140
## 1077 1077 74   1   3   0   164.7   71.0 26.2        0        0 127
## 1078 1078 68   0   1   0   169.9   72.7 25.2        1        0 145
## 1079 1079 63   1   1   0   176.8   77.6 24.8        0        1 126
## 1080 1080 63   0   1   1   167.7   76.7 27.3        0        0 128
## 1081 1081 55   1   1   0   173.2   80.2 26.7        0        0 112
## 1082 1082 61   0   1   1   171.1   77.7 26.5        1        0 134
## 1083 1083 57   0   1   0   183.2   88.5 26.4        1        0 132
## 1084 1084 60   0   1   0   164.9   87.6 32.2        1        0 136
## 1085 1085 60   0   1   0   162.4   78.4 29.7        0        0 122
## 1086 1086 67   1   1   0   171.8   85.8 29.1        1        0 133
## 1087 1087 62   1   1   0   159.9   78.9 30.9        0        0 122
## 1088 1088 62   1   4   1   161.8   72.2 27.6        1        1 137
## 1089 1089 57   0   1   0   158.3   71.0 28.3        0        1 124
## 1090 1090 61   0   1   0   167.5   84.9 30.3        0        1 120
## 1091 1091 59   1   1   0   169.6  103.7 36.1        0        0 129
## 1092 1092 56   0   2   0   160.0   78.5 30.7        0        1 125
## 1093 1093 61   0   1   1   177.9   74.6 23.6        1        0 145
## 1094 1094 57   1   3   0   166.1   75.5 27.4        1        0 136
## 1095 1095 64   0   1   0   170.2   84.3 29.1        0        0 124
## 1096 1096 52   0   3   1   172.5   76.5 25.7        0        1 122
## 1097 1097 64   0   1   0   169.9   78.5 27.2        1        0 134
## 1098 1098 60   0   3   0   170.8   80.9 27.7        0        0 123
## 1099 1099 67   1   2   0   169.9   81.8 28.3        1        0 131
## 1100 1100 64   1   3   1   179.7   80.5 24.9        1        1 133
## 1101 1101 63   1   2   0   169.7   74.1 25.7        1        0 139
## 1102 1102 57   0   1   0   165.8   69.5 25.3        1        0 131
## 1103 1103 65   1   1   1   165.4   85.7 31.3        0        0 125
## 1104 1104 70   0   4   1   166.9   66.8 24.0        1        1 142
## 1105 1105 58   1   3   2   177.9   76.8 24.3        0        0 122
## 1106 1106 53   0   1   0   166.0   80.9 29.3        0        1 122
## 1107 1107 53   1   2   0   175.6   71.1 23.1        1        0 131
## 1108 1108 56   1   1   0   164.7   89.8 33.1        0        0 127
```

```
## 1109 1109   65    0   1    0  167.3   77.3 27.6          1      1 141
## 1110 1110   57    0   1    0  164.1   87.7 32.6          0      0 114
## 1111 1111   62    1   1    0  171.2   77.4 26.4          1      0 137
## 1112 1112   58    1   1    1  174.0   99.9 33.0          0      1 127
## 1113 1113   65    0   1    1  174.3   88.9 29.2          1      0 133
## 1114 1114   63    0   3    0  166.2   96.9 35.1          0      1 124
## 1115 1115   61    1   1    0  170.1   73.3 25.3          1      1 148
## 1116 1116   66    0   1    0  160.7   83.0 32.1          1      0 133
## 1117 1117   59    1   1    0  174.3   79.0 26.0          0      0 122
## 1118 1118   63    0   1    1  161.1   79.6 30.7          1      0 134
## 1119 1119   58    1   1    1  165.5   86.4 31.6          0      0 125
## 1120 1120   57    1   1    0  166.1   81.7 29.6          0      0 127
## 1121 1121   57    1   1    1  167.8   80.0 28.4          0      0 120
## 1122 1122   53    0   3    0  168.0   72.7 25.8          0      0 127
## 1123 1123   57    0   1    1  165.1   92.2 33.8          0      0 125
## 1124 1124   59    0   2    0  174.8   80.8 26.5          0      0 123
## 1125 1125   59    1   3    1  175.2   91.2 29.7          1      1 131
## 1126 1126   55    0   3    0  175.5   86.4 28.0          0      0 130
## 1127 1127   66    0   1    0  178.3   98.8 31.1          1      0 134
## 1128 1128   56    0   1    0  167.7   82.2 29.2          1      0 132
## 1129 1129   64    0   1    1  164.2   73.1 27.1          1      0 132
## 1130 1130   61    0   2    1  165.6   69.6 25.4          0      0 126
## 1131 1131   69    1   1    0  176.3   77.2 24.8          1      0 139
## 1132 1132   62    1   3    0  171.5   91.3 31.1          1      0 131
## 1133 1133   63    1   1    0  169.9   76.5 26.5          1      0 144
## 1134 1134   61    1   1    1  176.9   76.1 24.3          0      0 127
## 1135 1135   64    1   1    0  160.9   83.2 32.1          1      0 138
## 1136 1136   55    1   1    1  171.2   84.7 28.9          0      0 129
## 1137 1137   59    1   1    2  174.7   82.2 26.9          1      0 135
## 1138 1138   55    0   1    1  162.5   75.0 28.4          0      0 120
## 1139 1139   56    0   1    0  171.7   65.5 22.2          0      0 129
## 1140 1140   53    0   1    0  179.4   79.4 24.7          1      0 131
## 1141 1141   61    1   3    0  171.4   78.9 26.9          0      1 129
## 1142 1142   62    1   3    0  161.5   71.8 27.5          1      1 145
## 1143 1143   67    1   1    0  165.4   84.0 30.7          1      0 135
## 1144 1144   58    1   1    1  165.3   70.5 25.8          0      0 129
## 1145 1145   58    1   1    0  172.3   77.9 26.2          1      0 137
## 1146 1146   59    1   1    1  164.6   76.5 28.2          0      0 129
## 1147 1147   67    0   1    0  170.5   80.1 27.6          1      0 141
## 1148 1148   67    1   2    1  177.6   78.2 24.8          1      1 134
## 1149 1149   53    1   1    2  181.9   90.7 27.4          0      0 129
## 1150 1150   64    1   1    0  166.0   86.4 31.4          1      0 145
## 1151 1151   56    0   3    1  168.0   68.4 24.3          1      0 135
## 1152 1152   72    0   3    0  176.1   81.9 26.4          1      0 144
## 1153 1153   69    1   1    1  180.4  100.2 30.8          1      0 132
## 1154 1154   65    0   1    1  173.7   76.8 25.5          1      0 139
## 1155 1155   64    1   3    0  164.0   87.8 32.6          1      0 136
## 1156 1156   70    0   2    0  166.7   70.8 25.5          0      1 128
## 1157 1157   60    1   1    2  169.6   81.0 28.1          0      0 130
## 1158 1158   66    1   3    1  180.4   84.7 26.1          1      0 137
## 1159 1159   64    1   1    0  177.2   89.6 28.5          1      1 137
## 1160 1160   53    1   4    0  173.4   91.3 30.4          0      0 123
## 1161 1161   61    0   1    1  167.3   83.8 29.9          1      0 134
## 1162 1162   68    0   1    2  173.5   81.3 27.0          1      0 142
```

```
## 1163 1163  57    1  1    1  169.2   87.7 30.6         0      1 122
## 1164 1164  53    1  1    0  166.6   79.9 28.8         1      0 136
## 1165 1165  61    0  1    0  162.8   94.3 35.6         1      0 135
## 1166 1166  61    0  1    2  162.7   72.9 27.5         0      0 125
## 1167 1167  65    1  1    0  167.8   77.7 27.6         0      0 127
## 1168 1168  65    0  1    0  169.6   80.1 27.8         1      0 137
## 1169 1169  65    0  1    1  162.9   75.0 28.2         0      0 127
## 1170 1170  57    0  4    2  168.1   71.3 25.2         0      0 121
## 1171 1171  55    0  1    0  161.9   81.3 31.0         0      0 123
## 1172 1172  56    1  1    0  156.1   82.6 33.9         0      0 126
## 1173 1173  63    0  1    0  165.6   85.3 31.1         1      0 132
## 1174 1174  58    1  1    0  186.0   84.1 24.3         0      0 126
## 1175 1175  65    0  2    0  174.7   96.8 31.7         0      0 125
## 1176 1176  48    0  4    0  168.8   77.0 27.0         0      0 124
## 1177 1177  60    0  3    1  166.2   71.0 25.7         1      1 136
## 1178 1178  55    0  1    0  174.9   87.6 28.6         0      0 120
## 1179 1179  64    1  4    2  166.2   78.4 28.4         1      0 131
## 1180 1180  57    0  4    0  168.2   69.8 24.7         1      1 136
## 1181 1181  57    0  1    1  153.7   73.4 31.1         1      0 138
## 1182 1182  58    0  1    0  170.7   80.8 27.7         1      0 139
## 1183 1183  63    1  1    1  173.8   82.5 27.3         1      0 138
## 1184 1184  63    0  3    0  169.4   87.2 30.4         1      0 131
## 1185 1185  53    0  3    0  166.1   80.6 29.2         0      0 114
## 1186 1186  61    1  1    1  160.2   76.2 29.7         1      0 142
## 1187 1187  60    0  4    0  164.6   74.2 27.4         1      0 131
## 1188 1188  64    1  2    0  168.8   87.2 30.6         1      0 132
## 1189 1189  60    1  3    2  181.0   78.0 23.8         0      0 130
## 1190 1190  59    1  1    0  171.2   97.1 33.1         1      0 138
## 1191 1191  59    0  1    1  169.0   76.3 26.7         0      0 119
## 1192 1192  58    0  1    2  166.1   81.3 29.5         0      0 123
## 1193 1193  58    1  1    0  163.8   86.1 32.1         0      0 123
## 1194 1194  61    1  1    0  168.6   68.2 24.0         0      0 121
## 1195 1195  60    0  1    1  161.0   71.1 27.4         0      0 127
## 1196 1196  60    1  1    0  177.3   75.2 23.9         0      0 122
## 1197 1197  59    0  3    0  170.1   78.5 27.1         1      0 131
## 1198 1198  53    0  3    0  170.9   74.8 25.6         0      0 128
## 1199 1199  58    0  3    1  165.7   83.2 30.3         1      0 138
## 1200 1200  56    0  1    0  158.4   74.7 29.8         1      0 131
## 1201 1201  60    0  1    0  162.4   67.1 25.4         0      0 125
## 1202 1202  51    0  3    0  177.8   91.8 29.1         0      0 122
## 1203 1203  55    0  3    1  172.7   81.5 27.3         0      0 118
## 1204 1204  61    1  3    0  170.6   77.1 26.5         0      0 127
## 1205 1205  64    0  1    1  159.7   86.2 33.8         1      0 153
## 1206 1206  55    0  1    0  173.9   76.6 25.3         0      0 129
## 1207 1207  60    0  1    2  180.0   82.4 25.4         1      0 135
## 1208 1208  63    1  1    1  179.3   80.6 25.1         0      0 125
## 1209 1209  55    1  1    1  165.5   70.9 25.9         1      0 132
## 1210 1210  56    0  3    2  176.7   75.7 24.2         0      0 130
## 1211 1211  66    1  1    0  169.3   73.8 25.7         1      0 139
## 1212 1212  61    1  2    0  166.4   72.1 26.0         0      0 119
## 1213 1213  60    1  1    0  164.1   79.5 29.5         1      0 145
## 1214 1214  63    1  1    0  168.0   79.1 28.0         1      0 141
## 1215 1215  59    1  1    1  158.9   77.2 30.6         0      0 112
## 1216 1216  62    1  3    2  172.1   83.5 28.2         0      0 126
```

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## 1217 1217 52    1    2    1 170.9  80.1 27.4           0    1 128
## 1218 1218 64    0    1    0 175.9  85.4 27.6           1    0 150
## 1219 1219 56    0    4    1 172.1  82.6 27.9           0    0 128
## 1220 1220 60    0    1    2 168.1  78.7 27.9           1    0 131
## 1221 1221 63    0    3    1 176.3  73.0 23.5           1    0 135
## 1222 1222 58    1    1    0 167.6  71.1 25.3           0    0 127
## 1223 1223 60    0    1    0 162.9  85.9 32.4           0    1 128
## 1224 1224 63    1    1    0 164.2  80.8 30.0           1    0 135
## 1225 1225 58    1    1    1 175.5  74.2 24.1           0    0 118
## 1226 1226 56    1    3    1 168.3  82.8 29.2           1    0 134
## 1227 1227 62    1    1    1 165.0  71.7 26.3           1    1 142
## 1228 1228 60    1    1    0 172.7  85.9 28.8           0    0 127
## 1229 1229 66    1    1    0 167.2  78.7 28.1           1    0 136
## 1230 1230 59    0    1    0 170.7  89.3 30.7           0    1 113
## 1231 1231 66    0    1    0 169.0  79.7 27.9           1    0 150
## 1232 1232 62    1    1    0 174.7  87.2 28.6           0    0 125
## 1233 1233 59    1    1    0 165.6  89.0 32.4           0    0 118
## 1234 1234 59    0    4    1 167.8  91.7 32.6           1    0 134
## 1235 1235 66    0    4    0 175.3  78.2 25.5           1    0 142
## 1236 1236 57    1    3    1 159.7  79.4 31.2           0    0 121
## 1237 1237 61    0    1    0 175.1  83.5 27.2           1    0 136
## 1238 1238 55    1    1    1 171.0  89.7 30.7           0    0 123
## 1239 1239 65    1    1    0 171.4  83.0 28.3           1    0 134
## 1240 1240 59    1    1    1 165.0  72.0 26.4           1    0 136
## 1241 1241 53    0    1    1 164.4  77.8 28.8           0    0 124
## 1242 1242 54    1    3    2 170.9  92.0 31.5           1    0 136
## 1243 1243 61    1    1    1 174.5  75.2 24.7           0    1 127
## 1244 1244 60    1    1    0 173.2  73.4 24.5           1    0 138
## 1245 1245 66    1    1    2 168.4  75.6 26.7           1    0 136
## 1246 1246 54    1    1    0 171.1  91.0 31.1           0    1 126
## 1247 1247 56    1    1    0 176.7  96.6 30.9           1    0 131
## 1248 1248 62    0    3    0 162.3  79.4 30.2           1    0 134
## 1249 1249 54    1    1    0 171.6  91.1 30.9           0    1 119
## 1250 1250 57    0    3    0 160.7  79.5 30.8           1    0 142
## 1251 1251 59    1    1    0 171.5  77.2 26.2           1    0 140
## 1252 1252 49    1    4    0 175.3  88.3 28.7           0    0 124
## 1253 1253 57    0    3    0 169.8  81.1 28.1           0    0 124
## 1254 1254 59    0    4    1 173.7  91.2 30.2           1    0 139
## 1255 1255 54    0    1    0 165.8  79.7 29.0           0    0 117
## 1256 1256 56    1    1    0 167.5  76.9 27.4           1    1 135
## 1257 1257 67    1    1    1 168.7  77.4 27.2           1    0 137
## 1258 1258 63    1    4    0 172.3  75.7 25.5           1    0 140
## 1259 1259 64    0    1    0 167.3  77.3 27.6           1    0 132
## 1260 1260 67    1    3    0 164.7  85.5 31.5           1    0 137
## 1261 1261 62    0    1    0 177.2  81.3 25.9           1    1 154
## 1262 1262 64    1    1    0 172.3  74.1 25.0           1    0 131
## 1263 1263 62    1    1    0 160.1  79.2 30.9           0    0 126
## 1264 1264 62    0    2    2 169.1  83.0 29.0           0    0 129
## 1265 1265 64    0    1    0 170.8  86.1 29.5           1    0 136
## 1266 1266 56    1    3    0 173.8  84.4 27.9           1    0 132
## 1267 1267 56    1    1    1 172.1  76.3 25.8           0    0 125
## 1268 1268 68    0    1    0 168.7  73.8 25.9           0    0 128
## 1269 1269 62    1    1    0 175.1  78.4 25.6           1    0 131
## 1270 1270 59    1    3    0 172.2  74.4 25.1           0    0 118
```

```
## 1271 1271 70     0    1        1   177.4    91.7 29.1               1          0 144
## 1272 1272 61     0    1        0   166.6    84.3 30.3               1          0 141
## 1273 1273 62     1    4        1   173.1    73.6 24.6               0          0 127
## 1274 1274 61     1    2        1   176.3    90.9 29.3               1          0 137
## 1275 1275 54     0    1        0   173.4    77.4 25.7               0          0 125
## 1276 1276 48     1    1        0   170.3    88.1 30.4               0          1 117
## 1277 1277 53     0    3        1   168.3    77.4 27.3               0          0 122
## 1278 1278 57     0    4        0   157.1    74.9 30.4               0          0 124
## 1279 1279 61     1    1        0   165.1    77.2 28.3               1          0 142
## 1280 1280 64     1    1        1   178.1    92.3 29.1               0          0 126
## 1281 1281 51     0    3        0   175.0    74.6 24.3               0          0 119
## 1282 1282 50     0    1        1   186.1    87.7 25.3               0          0 126
## 1283 1283 60     0    3        1   171.4    79.0 26.9               0          1 130
## 1284 1284 61     0    2        0   161.8    84.4 32.2               0          0 119
## 1285 1285 57     0    1        0   165.0    72.3 26.5               0          1 125
## 1286 1286 62     0    1        2   169.9    80.4 27.9               0          0 127
## 1287 1287 63     0    1        0   177.2    61.7 19.7               1          0 140
## 1288 1288 51     1    1        0   170.0    77.9 26.9               0          0 126
## 1289 1289 63     0    1        0   165.7    80.3 29.3               1          0 133
## 1290 1290 61     0    1        0   165.4    79.2 29.0               1          0 132
## 1291 1291 64     1    1        1   173.0    84.8 28.3               0          0 124
## 1292 1292 58     1    1        0   162.6    74.8 28.3               0          1 123
## 1293 1293 64     0    4        1   175.7    80.6 26.1               1          1 142
## 1294 1294 61     1    1        0   175.9    90.9 29.4               1          0 136
## 1295 1295 55     1    1        0   169.8    74.2 25.7               1          0 131
## 1296 1296 62     1    3        0   170.2    88.4 30.5               1          0 143
## 1297 1297 61     0    4        0   172.8    69.5 23.3               1          0 132
## 1298 1298 57     1    1        1   169.2    85.9 30.0               1          0 132
## 1299 1299 57     0    1        1   156.5    81.1 33.1               0          0 122
## 1300 1300 57     1    1        1   177.5    70.4 22.4               0          0 126
## 1301 1301 61     1    1        0   173.4    85.9 28.6               0          0 128
## 1302 1302 60     0    1        1   171.0    85.8 29.4               0          0 119
## 1303 1303 64     1    1        0   170.0    81.3 28.1               1          0 131
## 1304 1304 71     0    1        0   168.0    80.5 28.5               1          0 136
## 1305 1305 67     1    3        1   167.5    94.0 33.5               0          0 126
## 1306 1306 66     1    1        0   165.6    80.2 29.2               1          0 136
## 1307 1307 54     0    1        0   178.3    89.4 28.1               0          0 125
## 1308 1308 61     0    1        2   169.1    91.7 32.1               1          0 135
## 1309 1309 56     1    3        0   170.2    79.4 27.4               0          0 125
## 1310 1310 62     1    4        0   152.8    60.2 25.8               0          0 127
## 1311 1311 72     1    1        0   165.2    79.9 29.3               1          0 143
## 1312 1312 59     0    1        0   179.2    82.8 25.8               0          1 127
## 1313 1313 62     0    1        0   182.6    83.5 25.0               0          0 130
## 1314 1314 65     1    3        1   163.1    87.6 32.9               1          0 132
## 1315 1315 54     0    1        1   166.4    81.7 29.5               1          0 132
## 1316 1316 62     1    3        0   180.7    89.8 27.5               1          0 134
## 1317 1317 57     0    1        1   186.1    91.1 26.3               0          0 127
## 1318 1318 58     0    4        2   165.0    82.1 30.2               1          0 132
## 1319 1319 58     0    1        1   171.5    77.5 26.3               1          1 137
## 1320 1320 59     0    3        0   172.1    73.4 24.8               1          1 131
## 1321 1321 57     0    4        0   167.4    70.9 25.3               1          0 133
## 1322 1322 61     1    1        0   170.8    78.5 26.9               1          0 132
## 1323 1323 57     1    3        2   169.0    85.4 29.9               1          0 142
## 1324 1324 49     0    1        0   174.4    68.7 22.6               0          0 105
```

```
## 1325 1325  54      1      1        0  178.8    78.3 24.5          0          0 121
## 1326 1326  51      1      1        2  172.8    89.8 30.1          0          0 123
## 1327 1327  60      0      1        0  175.9    77.4 25.0          1          0 140
## 1328 1328  62      0      1        0  163.3    74.3 27.8          1          0 131
## 1329 1329  61      1      1        1  174.9    82.2 26.9          0          0 130
## 1330 1330  59      0      1        0  157.8    87.9 35.3          0          0 123
## 1331 1331  69      0      1        1  180.5    79.7 24.5          1          0 134
## 1332 1332  58      1      3        0  173.0    76.3 25.5          1          0 136
## 1333 1333  59      1      3        1  186.1    93.9 27.1          0          0 129
## 1334 1334  60      0      2        0  175.9    84.4 27.3          0          1 124
## 1335 1335  60      0      1        2  166.2    90.2 32.6          1          0 132
## 1336 1336  58      0      1        0  159.1    86.7 34.2          0          1 123
## 1337 1337  60      0      1        0  172.4    78.9 26.5          0          0 128
## 1338 1338  58      1      1        0  167.7    81.4 28.9          0          0 127
## 1339 1339  57      1      1        0  174.6    68.4 22.4          1          1 131
## 1340 1340  64      0      3        0  164.2    75.3 27.9          0          0 126
## 1341 1341  64      0      1        0  174.9    82.0 26.8          1          0 135
## 1342 1342  62      0      4        0  177.4    79.3 25.2          0          0 128
## 1343 1343  51      1      1        0  178.5    81.0 25.4          0          0 118
## 1344 1344  60      1      3        1  159.5    75.9 29.8          1          0 155
## 1345 1345  53      0      1        0  188.3    81.3 22.9          1          0 132
## 1346 1346  62      1      1        0  155.7    72.7 30.0          0          0 126
## 1347 1347  65      1      1        0  166.6    77.3 27.9          1          0 138
## 1348 1348  58      1      1        1  158.6    73.3 29.1          0          0 128
## 1349 1349  52      0      1        0  176.1    93.0 30.0          0          0 122
## 1350 1350  53      0      1        0  171.3    84.8 28.9          0          0 125
## 1351 1351  58      0      4        0  170.1    70.3 24.3          0          1 120
## 1352 1352  57      0      3        1  162.8    69.2 26.1          1          0 138
## 1353 1353  64      0      1        1  161.8    79.4 30.3          0          1 121
## 1354 1354  56      0      1        0  159.0    84.4 33.4          1          0 133
## 1355 1355  60      1      1        0  174.1    81.1 26.8          1          0 133
## 1356 1356  63      0      4        0  172.9    78.8 26.4          0          0 126
## 1357 1357  64      0      1        0  162.8    69.6 26.3          1          1 133
## 1358 1358  57      0      3        2  172.5    82.6 27.7          0          0 128
## 1359 1359  65      0      4        1  176.8    94.6 30.3          1          0 136
## 1360 1360  60      0      3        1  167.9    76.7 27.2          1          0 131
## 1361 1361  54      0      1        2  170.0    77.2 26.7          0          0 118
## 1362 1362  67      0      1        1  171.4    82.1 28.0          1          1 141
## 1363 1363  56      1      1        0  175.2    83.2 27.1          0          0 122
## 1364 1364  57      0      3        1  163.7    74.2 27.7          0          0 110
## 1365 1365  59      1      1        0  174.8    74.3 24.3          1          0 137
## 1366 1366  54      0      1        0  168.5    70.4 24.8          0          0 128
## 1367 1367  62      0      1        1  165.9    87.9 31.9          0          0 127
## 1368 1368  63      1      1        1  168.1    87.1 30.8          1          0 133
## 1369 1369  66      0      1        0  174.3    77.8 25.6          0          0 127
## 1370 1370  60      0      1        1  171.0    74.1 25.3          0          0 128
## 1371 1371  65      1      3        2  167.6    77.7 27.7          0          0 128
## 1372 1372  51      0      1        0  154.1    61.5 25.9          0          0 119
## 1373 1373  54      0      1        0  167.5    65.8 23.4          0          0 130
## 1374 1374  58      0      4        0  169.8    72.9 25.3          0          0 121
## 1375 1375  59      0      1        0  173.7    78.8 26.1          0          1 128
## 1376 1376  52      1      1        0  172.6    85.6 28.7          1          0 132
## 1377 1377  58      0      3        1  169.0    66.5 23.3          0          0 129
## 1378 1378  56      0      4        1  178.0    78.9 24.9          0          1 121
```

```
## 1379 1379 61   0   1   0  165.2  69.7 25.6    0    0 129
## 1380 1380 55   0   3   1  171.9  78.5 26.6    0    1 127
## 1381 1381 57   1   1   2  164.8  76.2 28.0    0    1 128
## 1382 1382 63   0   2   0  167.9  74.5 26.4    1    0 140
## 1383 1383 63   0   1   0  157.4  80.2 32.4    1    0 137
## 1384 1384 57   1   4   0  172.3  86.5 29.1    1    0 133
## 1385 1385 57   1   1   0  174.1  76.6 25.3    0    0 116
## 1386 1386 57   1   1   0  177.4  82.9 26.3    1    1 132
## 1387 1387 59   0   1   1  172.7  86.9 29.2    0    0 112
## 1388 1388 62   1   1   1  178.9  98.6 30.8    1    0 131
## 1389 1389 67   1   3   1  173.7  73.1 24.2    0    0 128
## 1390 1390 61   1   3   0  160.6  79.3 30.7    1    0 133
## 1391 1391 57   0   1   1  171.0  76.0 26.0    0    0 128
## 1392 1392 57   0   2   0  169.2  76.7 26.8    0    1 126
## 1393 1393 57   0   1   1  163.5  67.3 25.2    0    0 119
## 1394 1394 64   0   1   1  174.6  76.4 25.1    1    0 141
## 1395 1395 65   0   1   1  166.6  75.3 27.1    1    0 137
## 1396 1396 58   1   2   2  171.6  77.8 26.4    0    0 121
## 1397 1397 60   1   2   1  163.1  83.1 31.2    0    0 130
## 1398 1398 62   0   1   0  174.4  78.6 25.8    1    0 145
## 1399 1399 66   1   1   2  171.3  85.5 29.1    1    0 131
## 1400 1400 60   0   1   0  166.7  81.6 29.4    0    1 128
## 1401 1401 62   1   3   0  160.3  79.2 30.8    1    0 137
## 1402 1402 60   0   1   1  170.4  79.8 27.5    1    0 134
## 1403 1403 53   1   1   0  171.5  91.8 31.2    1    0 135
## 1404 1404 60   0   1   1  182.4  93.7 28.2    0    0 130
## 1405 1405 59   0   1   0  163.9  75.2 28.0    1    1 151
## 1406 1406 67   1   3   1  167.8  78.5 27.9    1    0 134
## 1407 1407 63   1   1   0  167.8  74.2 26.3    0    1 120
## 1408 1408 62   0   4   1  170.7  85.9 29.5    1    0 154
## 1409 1409 65   1   1   0  174.8  86.5 28.3    1    0 140
## 1410 1410 61   0   1   1  171.0  78.4 26.8    1    0 132
## 1411 1411 59   1   2   0  166.5  81.8 29.5    1    0 141
## 1412 1412 55   1   1   2  174.1  80.6 26.6    0    0 121
## 1413 1413 63   1   1   0  163.6  66.2 24.7    0    0 129
## 1414 1414 53   1   1   0  174.1  73.0 24.1    0    0 117
## 1415 1415 59   0   2   2  174.2  88.9 29.3    1    0 138
## 1416 1416 63   0   2   0  172.7  96.4 32.3    0    1 129
## 1417 1417 63   0   1   1  170.0  90.3 31.2    1    0 134
## 1418 1418 57   0   3   0  169.7  79.2 27.5    0    1 129
## 1419 1419 57   1   3   0  177.1  94.7 30.2    1    0 142
## 1420 1420 60   1   1   1  163.2  83.4 31.3    1    0 132
## 1421 1421 62   0   1   2  172.3  69.9 23.6    1    1 133
## 1422 1422 62   1   1   0  171.0  66.0 22.6    1    1 147
## 1423 1423 68   1   1   1  176.2  82.9 26.7    1    0 133
## 1424 1424 55   1   1   0  182.5  82.9 24.9    0    0 123
## 1425 1425 54   1   4   0  166.0  78.8 28.6    0    0 120
## 1426 1426 79   1   1   1  172.6  67.2 22.5    1    1 156
## 1427 1427 58   1   1   2  176.4  76.9 24.7    1    0 135
## 1428 1428 63   0   1   0  172.7  89.4 30.0    1    0 146
## 1429 1429 62   1   1   1  171.5  82.7 28.1    1    1 132
## 1430 1430 60   0   4   1  173.4  67.3 22.4    1    0 136
## 1431 1431 55   1   4   0  167.4  81.9 29.2    0    0 122
## 1432 1432 59   0   1   0  172.8  71.2 23.8    1    0 148
```

```
## 1433 1433  53    1   3    1   165.9   86.4 31.4         0        0 127
## 1434 1434  65    1   1    0   171.4   78.0 26.5         1        0 137
## 1435 1435  57    0   1    0   160.4   82.7 32.1         0        0 127
## 1436 1436  64    0   1    0   169.6   82.7 28.7         1        0 131
## 1437 1437  64    1   1    1   178.3   97.9 30.8         1        0 139
## 1438 1438  61    0   1    0   173.2   86.7 28.9         0        0 130
## 1439 1439  55    1   2    0   163.2   90.8 34.1         0        1 115
## 1440 1440  52    0   1    0   169.4   70.5 24.6         0        1 121
## 1441 1441  58    1   3    0   175.4   83.1 27.0         0        0 127
## 1442 1442  57    0   3    0   166.2   82.2 29.8         0        0 127
## 1443 1443  63    1   1    0   178.1   75.4 23.8         1        0 134
## 1444 1444  68    1   1    0   168.4   85.3 30.1         1        0 140
## 1445 1445  59    1   3    1   156.0   74.9 30.8         1        1 131
## 1446 1446  62    1   3    0   163.3   74.7 28.0         0        0 126
## 1447 1447  66    0   3    0   173.1   74.7 24.9         0        0 125
## 1448 1448  56    1   4    2   166.4   83.2 30.0         0        0 120
## 1449 1449  65    0   1    1   165.0   83.2 30.6         1        0 141
## 1450 1450  61    1   3    0   168.3   82.8 29.2         0        0 127
## 1451 1451  59    1   3    0   167.0   77.7 27.9         1        0 140
## 1452 1452  60    1   1    0   182.1   79.0 23.8         1        0 145
## 1453 1453  61    0   1    1   179.4   87.8 27.3         0        0 112
## 1454 1454  69    1   4    0   165.6   61.6 22.5         1        0 137
## 1455 1455  59    1   1    0   170.9   84.0 28.8         0        0 124
## 1456 1456  65    0   3    0   161.9   69.2 26.4         1        0 149
## 1457 1457  62    0   1    1   178.5   86.5 27.1         0        0 119
## 1458 1458  60    0   1    1   177.1   86.0 27.4         1        0 134
## 1459 1459  60    0   1    0   177.6   86.7 27.5         1        0 133
## 1460 1460  58    1   3    1   164.3   81.3 30.1         1        0 144
## 1461 1461  58    1   1    1   170.4   82.1 28.3         1        0 137
## 1462 1462  54    1   1    2   171.4   73.7 25.1         0        0 109
## 1463 1463  64    1   1    0   175.2   80.2 26.1         1        0 143
## 1464 1464  64    0   1    0   168.3   76.6 27.1         1        0 134
## 1465 1465  58    1   1    2   168.1   68.4 24.2         1        1 131
## 1466 1466  64    0   3    0   172.4   76.2 25.6         0        0 127
## 1467 1467  63    1   4    0   162.7   72.2 27.3         1        0 135
## 1468 1468  61    1   4    2   177.0   79.7 25.5         1        0 144
## 1469 1469  59    1   3    0   168.4   80.8 28.5         0        0 117
## 1470 1470  66    0   1    1   161.1   82.7 31.8         1        0 147
## 1471 1471  58    1   1    0   174.6   80.1 26.3         1        0 134
## 1472 1472  60    1   1    0   174.0   75.4 24.9         0        0 124
## 1473 1473  64    0   3    1   172.5   85.5 28.7         0        0 127
## 1474 1474  66    0   1    2   166.6   75.8 27.3         0        1 130
## 1475 1475  60    0   1    2   162.3   70.3 26.7         0        0 126
## 1476 1476  61    1   1    0   167.1   77.6 27.8         1        0 131
## 1477 1477  58    1   1    2   169.9   86.7 30.0         1        0 134
## 1478 1478  59    1   1    0   168.8   70.4 24.7         1        1 131
## 1479 1479  54    0   1    1   171.4   78.4 26.7         0        0 126
## 1480 1480  62    1   1    0   166.2   66.6 24.1         1        0 131
## 1481 1481  61    1   1    0   169.9   75.7 26.2         0        0 129
## 1482 1482  61    0   1    0   162.1   76.2 29.0         1        0 142
## 1483 1483  57    1   3    2   176.6   90.0 28.8         0        1 124
## 1484 1484  69    1   1    0   167.6   82.7 29.4         1        0 140
## 1485 1485  62    1   1    0   164.0   84.6 31.4         1        0 137
## 1486 1486  54    0   3    1   162.9   89.0 33.5         0        0 124
```

```
## 1487 1487 63   1   1     0 171.6  88.3 30.0       1       1 144
## 1488 1488 61   0   3     0 168.7  77.0 27.1       0       0 118
## 1489 1489 59   0   1     2 174.3  77.5 25.5       1       0 133
## 1490 1490 56   0   1     0 168.7  86.8 30.5       0       0 127
## 1491 1491 66   0   1     2 172.9  86.9 29.1       1       1 132
## 1492 1492 47   0   1     0 168.5  84.9 29.9       0       0 125
## 1493 1493 64   0   1     1 168.7  80.0 28.1       1       0 140
## 1494 1494 59   0   1     1 160.4  77.4 30.1       1       1 132
## 1495 1495 61   1   1     0 166.7  74.8 26.9       1       0 138
## 1496 1496 65   1   1     1 169.7  76.6 26.6       0       0 124
## 1497 1497 63   1   1     1 163.9  72.3 26.9       1       0 147
## 1498 1498 62   1   1     0 170.0  83.7 29.0       1       0 149
## 1499 1499 56   1   3     0 160.8  68.5 26.5       0       0 117
## 1500 1500 64   1   3     0 175.8  80.7 26.1       0       0 124
## 1501 1501 57   1   2     0 163.4  74.7 28.0       0       0 111
## 1502 1502 61   0   1     0 169.2  83.3 29.1       1       0 132
## 1503 1503 61   0   3     0 171.6  84.8 28.8       1       0 134
## 1504 1504 54   1   1     1 170.5  66.6 22.9       1       0 135
## 1505 1505 59   1   1     0 166.6  78.2 28.2       1       0 139
## 1506 1506 62   1   1     1 165.5  83.9 30.6       0       0 130
## 1507 1507 63   0   1     1 171.7  80.8 27.4       1       1 134
## 1508 1508 62   1   3     0 162.1  89.1 33.9       0       0 122
## 1509 1509 57   0   2     0 174.6  72.1 23.7       0       0 126
## 1510 1510 61   1   4     0 157.6  77.5 31.2       0       0 126
## 1511 1511 52   1   3     0 166.1  81.7 29.6       0       0 119
## 1512 1512 61   0   4     0 172.4  75.4 25.4       0       0 129
## 1513 1513 58   0   1     0 176.1  86.3 27.8       1       0 138
## 1514 1514 55   0   1     0 168.7  85.7 30.1       0       1 130
## 1515 1515 57   0   1     0 172.2  80.7 27.2       1       0 135
## 1516 1516 48   1   1     1 160.1  75.4 29.4       0       0 124
## 1517 1517 61   0   3     2 163.7  64.0 23.9       0       0 128
## 1518 1518 65   0   1     0 174.3  80.6 26.5       0       0 126
## 1519 1519 67   0   1     0 168.3  84.4 29.8       1       0 144
## 1520 1520 55   0   3     1 166.2  69.4 25.1       0       0 116
## 1521 1521 61   0   1     0 162.5  74.1 28.1       0       0 118
## 1522 1522 62   0   1     1 171.8  79.1 26.8       0       0 123
## 1523 1523 55   1   3     2 170.0  72.7 25.1       1       0 136
## 1524 1524 58   0   1     2 163.0  66.9 25.2       0       0 129
## 1525 1525 57   0   3     0 168.8  78.0 27.4       1       0 139
## 1526 1526 57   1   1     0 156.7  67.2 27.4       1       0 138
## 1527 1527 67   0   1     1 169.8  72.0 25.0       0       1 128
## 1528 1528 63   1   1     0 183.6  83.5 24.8       1       0 132
## 1529 1529 65   1   3     2 165.4  80.8 29.6       1       1 138
## 1530 1530 55   0   1     1 174.2  83.4 27.5       1       0 136
## 1531 1531 63   1   1     0 162.6  74.9 28.3       1       0 135
## 1532 1532 53   1   1     2 177.1  82.6 26.3       0       1 123
## 1533 1533 65   1   1     2 157.5  87.5 35.3       1       0 147
## 1534 1534 63   1   1     0 178.2  82.6 26.0       1       1 133
## 1535 1535 62   0   1     1 170.4  66.8 23.0       1       0 136
## 1536 1536 55   0   1     0 154.4  76.5 32.1       0       0 117
## 1537 1537 62   0   1     0 181.2  86.6 26.4       0       0 129
## 1538 1538 68   1   3     0 183.1  69.7 20.8       1       0 138
## 1539 1539 54   0   3     1 172.4  83.8 28.2       1       0 133
## 1540 1540 61   1   3     1 174.1  87.8 29.0       1       0 139
```

```
## 1541 1541  63    1    1    1  166.2   83.6 30.3        0      0 130
## 1542 1542  57    0    1    0  171.4   96.2 32.7        0      0 129
## 1543 1543  61    0    3    2  171.3   80.8 27.5        1      0 134
## 1544 1544  58    0    1    2  165.5   78.3 28.6        1      0 143
## 1545 1545  60    0    1    0  181.8   85.8 26.0        1      0 131
## 1546 1546  59    1    1    0  176.1   76.8 24.7        1      1 140
## 1547 1547  56    1    4    0  171.3   76.0 25.9        1      0 132
## 1548 1548  68    0    4    0  169.1   79.3 27.7        1      1 136
## 1549 1549  59    0    1    0  170.8   96.6 33.1        1      0 134
## 1550 1550  65    1    1    2  167.2   82.6 29.6        1      0 140
## 1551 1551  64    1    1    0  171.8   94.3 32.0        0      0 128
## 1552 1552  62    0    1    0  171.6   85.5 29.0        0      1 117
## 1553 1553  58    0    4    0  169.8   85.4 29.6        0      0 118
## 1554 1554  61    1    3    0  161.7   72.9 27.9        1      0 139
## 1555 1555  69    1    4    0  158.2   71.6 28.6        0      0 125
## 1556 1556  63    0    1    1  164.6   70.0 25.8        1      1 135
## 1557 1557  62    0    1    1  172.0   70.8 23.9        1      0 138
## 1558 1558  56    0    1    1  173.7   92.9 30.8        0      0 125
## 1559 1559  63    0    1    0  168.6   76.5 26.9        1      0 131
## 1560 1560  60    1    1    2  174.0   83.4 27.5        0      0 130
## 1561 1561  64    0    1    0  166.7   87.4 31.4        1      0 145
## 1562 1562  63    0    1    0  168.2   83.0 29.3        0      1 130
## 1563 1563  67    0    1    0  164.8   80.2 29.5        1      0 145
## 1564 1564  69    1    1    0  168.7   85.4 30.0        1      0 136
## 1565 1565  58    1    1    0  158.8   77.7 30.8        1      0 142
## 1566 1566  51    0    1    1  174.1   88.1 29.1        0      0 119
## 1567 1567  65    1    1    1  171.0   78.7 26.9        1      1 131
## 1568 1568  58    0    1    0  173.6   79.7 26.4        0      0 124
## 1569 1569  60    1    1    0  170.7   74.6 25.6        0      0 128
## 1570 1570  54    1    1    0  169.5   87.9 30.6        0      0 113
## 1571 1571  54    0    3    0  164.6   74.9 27.6        0      0 127
## 1572 1572  63    0    3    0  173.9   91.1 30.1        1      0 133
## 1573 1573  57    1    1    0  172.8   80.6 27.0        0      0 124
## 1574 1574  67    1    1    2  170.7   85.7 29.4        1      0 142
## 1575 1575  56    1    1    1  174.6   86.0 28.2        0      0 128
## 1576 1576  59    1    1    2  172.9   84.8 28.4        1      0 143
## 1577 1577  60    0    4    0  160.6   77.7 30.1        1      0 136
## 1578 1578  62    1    1    0  177.4   62.6 19.9        1      0 132
## 1579 1579  52    1    1    2  172.7   84.3 28.2        1      1 133
## 1580 1580  66    1    1    1  172.4   80.0 26.9        1      0 135
## 1581 1581  61    1    1    0  172.5   79.2 26.6        0      1 126
## 1582 1582  56    0    2    1  171.9   86.2 29.2        1      0 133
## 1583 1583  73    1    4    0  181.6   83.1 25.2        1      0 138
## 1584 1584  62    0    1    1  168.7   69.7 24.5        0      0 126
## 1585 1585  61    0    1    0  168.5   73.6 25.9        1      1 131
## 1586 1586  64    1    3    0  169.2   82.5 28.8        1      0 142
## 1587 1587  63    0    1    0  162.1   76.1 29.0        1      0 134
## 1588 1588  63    0    3    0  175.9   86.1 27.8        1      0 142
## 1589 1589  59    0    1    0  180.8   76.0 23.3        0      0 124
## 1590 1590  57    0    3    0  173.0   79.3 26.5        0      0 129
## 1591 1591  62    0    1    2  171.1   72.9 24.9        1      0 134
## 1592 1592  54    1    2    0  161.6   87.9 33.7        0      0 116
## 1593 1593  62    0    3    0  166.4   75.6 27.3        1      0 131
## 1594 1594  56    0    1    0  177.8   74.9 23.7        0      0 130
```

```
## 1595 1595 61   0   2   0  179.0   87.9 27.4        1        1 132
## 1596 1596 64   1   1   0  173.3   76.7 25.5        0        0 129
## 1597 1597 66   1   4   1  165.0   69.4 25.5        0        0 121
## 1598 1598 61   1   1   0  166.7   80.9 29.1        0        1 128
## 1599 1599 69   1   1   0  171.4   91.2 31.1        1        0 137
## 1600 1600 66   1   1   1  182.4   83.0 24.9        1        0 143
## 1601 1601 68   0   3   0  176.0   78.6 25.4        1        0 151
## 1602 1602 55   0   1   0  176.4   76.6 24.6        0        0 121
## 1603 1603 59   0   1   0  177.1   92.3 29.4        1        0 136
## 1604 1604 67   1   1   2  173.5   78.8 26.2        1        0 137
## 1605 1605 66   1   1   1  168.2   93.9 33.2        0        0 126
## 1606 1606 62   1   3   2  171.7   95.3 32.3        0        1 128
## 1607 1607 60   0   3   0  173.2   76.2 25.4        0        1 124
## 1608 1608 68   1   3   1  177.1   82.7 26.4        1        0 141
## 1609 1609 57   0   3   0  175.1   70.9 23.1        1        0 137
## 1610 1610 58   0   1   1  172.2   71.4 24.1        0        1 128
## 1611 1611 67   0   1   0  167.2   82.9 29.6        1        1 132
## 1612 1612 61   0   1   0  160.9   72.3 27.9        1        0 132
## 1613 1613 63   1   1   0  170.2  100.2 34.6        0        0 126
## 1614 1614 64   0   1   1  175.4   84.1 27.3        1        1 144
## 1615 1615 60   1   1   1  180.6   91.9 28.2        0        0 128
## 1616 1616 69   0   1   0  165.7   76.0 27.7        0        0 129
## 1617 1617 62   1   1   0  167.4   78.6 28.0        1        0 134
## 1618 1618 66   1   1   0  162.4   90.4 34.3        1        0 140
## 1619 1619 59   0   4   0  159.6   84.3 33.1        0        0 129
## 1620 1620 66   0   4   1  176.1   91.1 29.4        1        0 135
## 1621 1621 54   0   2   1  176.2   72.8 23.4        0        0 113
## 1622 1622 62   0   1   2  168.8   82.2 28.9        1        0 131
## 1623 1623 68   0   4   0  171.0   87.7 30.0        1        0 138
## 1624 1624 64   1   1   0  170.7   79.1 27.2        0        0 126
## 1625 1625 70   1   1   1  177.0   89.0 28.4        1        0 142
## 1626 1626 56   0   1   0  174.7   76.7 25.1        1        0 132
## 1627 1627 57   0   4   0  161.2   76.0 29.2        0        0 120
## 1628 1628 66   1   1   1  174.6   79.2 26.0        1        0 152
## 1629 1629 64   0   1   0  177.1   96.7 30.8        0        0 124
## 1630 1630 57   0   1   0  162.8   75.1 28.4        0        0 117
## 1631 1631 64   0   3   1  164.2   81.1 30.1        1        1 132
## 1632 1632 62   0   1   0  164.2   90.1 33.4        1        0 133
## 1633 1633 58   0   3   0  174.5   83.8 27.5        0        0 130
## 1634 1634 59   0   2   0  165.1   78.7 28.9        0        1 126
## 1635 1635 62   0   1   0  173.1   82.5 27.5        1        0 136
## 1636 1636 51   1   1   1  170.6   80.3 27.6        1        0 136
## 1637 1637 58   1   1   0  166.8   76.0 27.3        0        0 130
## 1638 1638 57   1   1   0  157.9   81.6 32.7        1        1 138
## 1639 1639 63   0   1   0  166.5   80.3 29.0        0        0 125
## 1640 1640 61   0   1   1  174.0   98.3 32.4        1        0 155
## 1641 1641 60   0   1   1  161.4   81.1 31.1        1        0 143
## 1642 1642 64   1   3   0  175.1   79.0 25.8        1        0 132
## 1643 1643 62   1   1   1  167.1   72.6 26.0        1        0 135
## 1644 1644 60   1   1   1  173.7   76.5 25.4        0        0 126
## 1645 1645 56   1   1   1  170.9   78.7 26.9        1        0 132
## 1646 1646 68   0   1   0  183.6   83.5 24.8        1        0 132
## 1647 1647 63   1   1   0  162.1   81.3 31.0        1        0 146
## 1648 1648 60   0   1   2  172.1   70.7 23.9        1        0 134
```

```
## 1649 1649 55    0  1    0  183.3  79.4 23.6        0        1 125
## 1650 1650 61    1  1    0  178.6  80.3 25.2        1        1 140
## 1651 1651 69    1  1    0  162.0  86.0 32.8        1        0 138
## 1652 1652 56    1  3    1  169.7  71.6 24.9        0        0 118
## 1653 1653 69    1  1    0  164.4  78.0 28.9        0        0 125
## 1654 1654 57    1  1    0  167.6  82.1 29.2        0        0 113
## 1655 1655 67    0  1    0  163.8  69.7 26.0        1        0 140
## 1656 1656 61    0  3    0  165.4  71.2 26.0        0        0 119
## 1657 1657 58    0  1    0  173.7  75.6 25.1        1        1 133
## 1658 1658 60    1  1    0  177.1  98.2 31.3        1        0 133
## 1659 1659 62    1  3    1  173.4  74.4 24.7        1        0 135
## 1660 1660 65    1  1    0  167.5  74.8 26.7        1        0 139
## 1661 1661 56    1  1    0  175.4  79.4 25.8        1        0 131
## 1662 1662 62    0  1    0  163.7  72.6 27.1        0        0 128
## 1663 1663 54    1  3    1  164.7  85.9 31.7        0        1 121
## 1664 1664 57    0  4    2  173.0  78.2 26.1        0        0 127
## 1665 1665 67    0  1    0  168.3  79.7 28.1        1        0 151
## 1666 1666 60    1  1    0  171.7  75.9 25.8        1        0 138
## 1667 1667 60    1  1    1  179.9  84.8 26.2        0        0 130
## 1668 1668 58    0  1    2  173.7  85.4 28.3        0        0 123
## 1669 1669 62    1  2    1  180.4  81.7 25.1        1        1 136
## 1670 1670 59    0  1    0  170.7  93.7 32.2        0        0 128
## 1671 1671 61    0  1    1  167.8  75.8 26.9        1        0 132
## 1672 1672 63    0  1    1  164.9  74.5 27.4        1        1 135
## 1673 1673 59    1  1    0  165.8  72.5 26.4        0        0 130
## 1674 1674 69    0  1    0  170.8  84.3 28.9        0        0 129
## 1675 1675 61    0  4    0  178.2  88.6 27.9        1        0 131
## 1676 1676 57    0  1    0  169.7  84.9 29.5        1        0 138
## 1677 1677 62    1  1    1  169.7  89.4 31.0        1        0 137
## 1678 1678 61    1  3    0  172.1  63.6 21.5        1        1 135
## 1679 1679 59    1  3    0  162.4  71.2 27.0        0        0 128
## 1680 1680 62    0  3    0  168.1  86.5 30.6        1        1 142
## 1681 1681 59    1  1    0  168.2  81.1 28.6        1        0 137
## 1682 1682 57    1  1    0  168.5  87.2 30.7        0        0 115
## 1683 1683 65    1  1    0  167.3  83.7 29.9        1        0 141
## 1684 1684 63    1  3    2  166.1  77.2 28.0        1        0 141
## 1685 1685 58    1  2    0  166.5  86.9 31.4        0        0 122
## 1686 1686 57    1  1    1  178.0  78.0 24.6        0        0 125
## 1687 1687 61    0  3    0  173.2  66.0 22.0        0        1 126
## 1688 1688 61    0  3    1  179.0  76.1 23.8        0        0 122
## 1689 1689 66    1  3    0  171.5  63.5 21.6        0        0 126
## 1690 1690 65    0  3    0  162.5  73.2 27.7        1        0 133
## 1691 1691 59    0  1    1  159.7  84.1 33.0        0        1 128
## 1692 1692 60    0  1    0  167.6  75.1 26.7        0        0 116
## 1693 1693 66    0  3    0  170.1  85.6 29.6        0        0 125
## 1694 1694 58    1  1    0  174.2  84.7 27.9        1        0 131
## 1695 1695 55    0  1    0  166.3  82.1 29.7        0        1 122
## 1696 1696 59    0  1    1  172.3  72.4 24.4        1        0 134
## 1697 1697 58    0  1    1  170.7  82.9 28.5        1        0 143
## 1698 1698 62    0  3    0  175.3  74.4 24.2        1        1 132
## 1699 1699 52    0  1    1  168.3  84.7 29.9        0        0 124
## 1700 1700 60    1  2    0  171.1  74.5 25.5        0        0 127
## 1701 1701 67    0  3    0  147.8  77.9 35.7        1        1 140
## 1702 1702 63    1  1    1  168.5  89.3 31.5        0        1 122
```

```
## 1703 1703  64     0     1     0  170.8  77.8 26.7        1        0 135
## 1704 1704  58     1     4     0  161.3  77.9 29.9        0        0 112
## 1705 1705  61     1     4     0  170.9  97.9 33.5        1        0 132
## 1706 1706  62     0     1     0  157.9  65.5 26.3        1        0 139
## 1707 1707  62     0     3     1  176.9  89.6 28.6        1        0 131
## 1708 1708  50     1     1     0  178.0  73.8 23.3        0        0 121
## 1709 1709  60     1     1     1  178.2  79.9 25.1        0        0 130
## 1710 1710  60     1     1     1  168.5  83.3 29.3        0        0 116
## 1711 1711  57     0     2     0  166.2  73.6 26.7        0        1 128
## 1712 1712  57     0     1     0  160.8  75.4 29.1        1        0 139
## 1713 1713  61     1     1     0  166.3  66.8 24.2        1        0 139
## 1714 1714  62     1     1     1  174.6  79.6 26.1        0        0 130
## 1715 1715  68     0     1     0  167.5  80.5 28.7        1        0 140
## 1716 1716  69     1     3     1  164.3  91.9 34.1        1        0 131
## 1717 1717  58     0     4     0  168.7  72.4 25.5        1        0 138
## 1718 1718  65     1     1     0  179.4  77.4 24.0        1        0 132
## 1719 1719  59     1     1     1  163.4  93.7 35.1        0        1 124
## 1720 1720  60     0     1     2  173.5  86.6 28.8        1        0 133
## 1721 1721  58     1     1     0  177.4  80.8 25.7        0        1 129
## 1722 1722  56     0     1     0  165.5  82.7 30.2        0        0 129
## 1723 1723  54     0     1     0  182.7  80.4 24.1        0        1 125
## 1724 1724  60     0     1     1  184.7  64.2 18.8        0        0 129
## 1725 1725  50     1     1     0  168.8  75.4 26.5        0        0 123
## 1726 1726  61     0     1     0  168.8  80.4 28.2        1        0 137
## 1727 1727  64     1     1     1  165.2  72.3 26.5        1        0 132
## 1728 1728  63     1     4     0  173.9  73.5 24.3        0        1 123
## 1729 1729  69     0     2     0  179.9  88.4 27.3        1        0 147
## 1730 1730  59     1     1     0  170.7  72.8 25.0        1        0 135
## 1731 1731  57     1     1     0  157.4  76.9 31.0        0        0 126
## 1732 1732  58     0     1     0  175.7  96.9 31.4        0        1 123
## 1733 1733  65     0     1     0  173.4  84.9 28.3        0        0 120
## 1734 1734  63     0     1     0  176.7  95.0 30.5        1        0 135
## 1735 1735  62     0     1     0  176.1  83.1 26.8        1        0 137
## 1736 1736  57     1     1     2  169.0  77.7 27.2        0        0 128
## 1737 1737  59     0     3     0  165.3  81.8 29.9        0        0 125
## 1738 1738  67     1     1     0  170.3  82.7 28.5        0        0 128
## 1739 1739  59     0     2     0  175.1  77.9 25.4        0        0 122
## 1740 1740  59     0     1     1  168.7  77.0 27.1        1        0 138
## 1741 1741  55     0     3     1  177.2  86.4 27.5        0        1 128
## 1742 1742  56     1     1     0  175.8  95.6 31.0        0        0 124
## 1743 1743  70     1     1     2  170.9  78.0 26.7        1        1 143
## 1744 1744  54     0     1     2  167.8  78.9 28.0        0        1 120
## 1745 1745  68     0     4     0  171.0  84.5 28.9        1        0 136
## 1746 1746  60     0     3     1  175.3  71.8 23.4        0        0 127
## 1747 1747  65     1     1     0  168.4  65.8 23.2        0        0 127
## 1748 1748  64     0     4     0  174.9  85.1 27.8        0        1 126
## 1749 1749  56     0     1     0  170.7  77.5 26.6        0        0 117
## 1750 1750  59     1     1     0  158.6  72.4 28.8        0        1 126
## 1751 1751  58     0     3     1  162.4  81.3 30.8        1        0 132
## 1752 1752  54     0     3     0  162.4  72.3 27.4        0        0 130
## 1753 1753  59     1     3     0  161.3  68.4 26.3        1        0 131
## 1754 1754  56     1     1     0  163.3  90.4 33.9        1        0 135
## 1755 1755  58     0     1     2  167.5  85.1 30.3        0        0 114
## 1756 1756  61     1     1     0  180.2  75.7 23.3        1        0 150
```

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## 1757 1757 57    0    3    0  164.7  80.0 29.5    0    0 118
## 1758 1758 55    0    2    0  163.9  87.3 32.5    1    0 134
## 1759 1759 46    1    1    0  170.2  72.1 24.9    0    0 112
## 1760 1760 58    0    1    2  182.5  86.0 25.8    1    0 136
## 1761 1761 63    1    3    1  156.2  82.2 33.7    1    0 136
## 1762 1762 59    0    1    1  169.1  83.3 29.1    0    0 112
## 1763 1763 60    1    3    0  167.1  77.8 27.9    1    0 142
## 1764 1764 66    0    3    1  172.4  86.2 29.0    1    0 140
## 1765 1765 59    1    1    2  175.6  87.7 28.5    0    0 126
## 1766 1766 63    1    1    2  170.9  74.5 25.5    0    1 128
## 1767 1767 56    1    3    1  168.8  70.7 24.8    0    0 114
## 1768 1768 58    0    3    1  162.8  72.7 27.4    1    0 138
## 1769 1769 60    0    1    0  171.3  80.6 27.5    1    0 141
## 1770 1770 55    0    1    1  168.6  76.1 26.8    0    0 117
## 1771 1771 64    1    3    1  171.4  83.6 28.4    1    0 134
## 1772 1772 52    0    1    0  171.3  76.5 26.1    0    0 115
## 1773 1773 59    0    1    2  171.4  74.0 25.2    1    0 142
## 1774 1774 62    1    1    0  176.3  76.9 24.8    1    0 133
## 1775 1775 57    1    1    0  177.9  75.3 23.8    0    1 124
## 1776 1776 62    0    1    1  166.4  75.6 27.3    1    1 132
## 1777 1777 59    1    1    0  160.3  86.5 33.7    0    1 128
## 1778 1778 58    0    1    0  166.1  80.8 29.3    0    0 130
## 1779 1779 62    0    1    2  163.0  75.2 28.3    1    0 141
## 1780 1780 65    1    1    0  174.7  78.9 25.9    1    0 133
## 1781 1781 64    0    3    0  174.2  88.3 29.1    1    0 138
## 1782 1782 57    0    3    1  170.9  87.5 30.0    1    1 137
## 1783 1783 59    1    3    0  172.0  78.2 26.4    1    0 135
## 1784 1784 58    1    1    1  155.6  72.9 30.1    0    0 120
## 1785 1785 62    0    1    1  175.4  79.0 25.7    1    0 143
## 1786 1786 57    1    3    1  169.9  81.7 28.3    0    1 129
## 1787 1787 56    0    1    0  164.5  82.3 30.4    0    0 124
## 1788 1788 63    1    3    1  169.1  83.9 29.3    1    0 131
## 1789 1789 54    1    1    0  167.9  66.6 23.6    0    0 130
## 1790 1790 57    0    3    1  171.1  79.5 27.1    0    0 125
## 1791 1791 56    0    1    0  168.0  67.9 24.1    0    0 123
## 1792 1792 62    1    3    1  175.5  71.3 23.2    1    0 140
## 1793 1793 61    1    1    2  183.1  78.6 23.5    1    0 135
## 1794 1794 59    0    1    0  168.6  78.7 27.7    0    0 127
## 1795 1795 68    1    1    0  172.4  89.5 30.1    1    1 138
## 1796 1796 58    0    1    2  162.5  69.2 26.2    0    0 118
## 1797 1797 53    1    1    2  166.5  81.0 29.2    0    0 117
## 1798 1798 65    0    4    0  161.0  75.5 29.1    1    0 141
## 1799 1799 58    0    2    2  182.8  94.1 28.2    1    1 136
## 1800 1800 56    1    3    1  182.2  76.5 23.0    1    0 136
## 1801 1801 61    1    1    1  170.7  85.8 29.4    0    0 128
## 1802 1802 70    0    1    0  176.2  72.8 23.5    1    0 137
## 1803 1803 58    1    1    0  172.0  83.1 28.1    0    0 128
## 1804 1804 62    0    1    1  173.7  78.1 25.9    0    0 116
## 1805 1805 56    0    1    2  162.3  74.5 28.3    0    1 120
## 1806 1806 63    0    4    0  161.2  83.5 32.1    0    0 118
## 1807 1807 60    0    1    0  168.5  77.3 27.2    1    0 136
## 1808 1808 61    0    4    2  169.3  93.0 32.5    1    0 143
## 1809 1809 62    0    2    0  169.9  81.4 28.2    0    0 126
## 1810 1810 53    0    1    2  176.3  86.0 27.7    0    0 120
```

```
## 1811 1811 57   1   1   1   160.0   84.3 32.9        1        1 132
## 1812 1812 66   1   1   0   188.6   85.3 24.0        1        0 133
## 1813 1813 63   1   1   1   157.9   82.6 33.2        1        0 136
## 1814 1814 64   0   1   1   165.1   88.1 32.3        1        0 140
## 1815 1815 58   1   2   0   164.4   78.6 29.1        0        1 118
## 1816 1816 63   1   1   2   172.4   98.3 33.1        1        0 131
## 1817 1817 64   0   3   0   166.7   80.3 28.9        0        1 129
## 1818 1818 61   1   3   1   162.6   75.9 28.7        1        0 134
## 1819 1819 57   0   3   0   171.8   81.0 27.5        0        0 121
## 1820 1820 68   0   1   2   172.5   77.7 26.1        0        0 127
## 1821 1821 63   1   2   2   160.2   81.7 31.8        0        0 126
## 1822 1822 59   1   2   2   162.2   55.9 21.3        0        1 129
## 1823 1823 63   1   3   0   173.2   79.4 26.5        1        0 135
## 1824 1824 59   1   4   0   169.5   86.1 30.0        0        0 127
## 1825 1825 60   1   1   0   159.7   70.0 27.4        1        0 131
## 1826 1826 61   1   1   0   169.2   75.6 26.4        0        0 124
## 1827 1827 61   1   1   1   170.4   76.7 26.4        0        0 126
## 1828 1828 56   1   3   0   178.6   80.1 25.1        0        0 128
## 1829 1829 68   1   1   0   171.3   70.5 24.0        1        0 131
## 1830 1830 67   0   1   0   168.4   80.6 28.4        1        0 139
## 1831 1831 57   1   1   2   157.0   78.4 31.8        0        0 125
## 1832 1832 60   0   3   0   179.8   82.7 25.6        0        0 129
## 1833 1833 50   0   3   0   176.6   79.5 25.5        0        0 125
## 1834 1834 64   0   1   0   171.9   78.2 26.5        1        0 134
## 1835 1835 59   1   1   1   166.4   80.0 28.9        1        0 148
## 1836 1836 62   1   1   0   162.2   77.0 29.3        1        0 131
## 1837 1837 58   1   3   2   170.1   75.8 26.2        1        0 133
## 1838 1838 71   1   4   2   169.7   76.3 26.5        1        0 132
## 1839 1839 60   0   1   1   167.7   74.1 26.3        1        0 140
## 1840 1840 63   0   3   0   170.0   62.5 21.6        1        0 139
## 1841 1841 59   1   4   0   166.4   76.6 27.7        0        0 121
## 1842 1842 64   0   1   0   167.2   81.5 29.2        1        0 146
## 1843 1843 60   1   4   0   167.4   76.2 27.2        0        0 126
## 1844 1844 63   0   1   1   175.4   77.3 25.1        1        1 142
## 1845 1845 69   1   1   0   165.0   81.7 30.0        0        0 126
## 1846 1846 59   1   3   0   171.3   74.2 25.3        0        0 114
## 1847 1847 61   0   1   2   176.5   90.2 29.0        1        0 142
## 1848 1848 59   1   4   0   161.4   73.5 28.2        1        0 136
## 1849 1849 56   1   1   0   165.8   67.2 24.5        1        0 139
## 1850 1850 61   1   1   1   172.3   80.5 27.1        1        0 138
## 1851 1851 60   0   1   0   164.2   75.4 28.0        1        0 136
## 1852 1852 56   1   1   0   166.8   78.8 28.3        0        0 128
## 1853 1853 52   0   1   0   160.6   76.2 29.5        0        0 126
## 1854 1854 53   0   3   1   156.1   71.7 29.4        0        1 128
## 1855 1855 60   1   1   2   172.3   90.1 30.3        1        0 132
## 1856 1856 60   1   1   1   175.8   75.0 24.3        0        0 126
## 1857 1857 61   0   1   2   161.2   75.4 29.0        1        0 140
## 1858 1858 57   1   1   0   173.7   88.1 29.2        1        0 133
## 1859 1859 58   1   1   0   171.3   77.6 26.4        1        0 139
## 1860 1860 54   0   1   0   169.9   84.4 29.3        1        0 131
## 1861 1861 63   0   3   0   166.9   87.0 31.2        0        0 125
## 1862 1862 54   0   1   0   171.6   63.4 21.5        1        0 136
## 1863 1863 55   0   1   0   166.3   87.3 31.6        0        0 130
## 1864 1864 58   0   3   0   172.5   79.0 26.6        0        0 129
```

```
## 1865 1865 66    1    2    2 166.3   70.3 25.4         1         0 137
## 1866 1866 67    1    1    0 162.5   83.9 31.8         1         0 133
## 1867 1867 61    0    1    1 166.5   75.8 27.3         1         0 145
## 1868 1868 65    0    1    0 159.5   87.3 34.3         1         0 139
## 1869 1869 57    1    1    0 172.6   84.6 28.4         1         0 133
## 1870 1870 60    0    1    0 166.1   72.5 26.3         1         0 132
## 1871 1871 60    0    4    1 164.0   82.7 30.8         0         0 130
## 1872 1872 62    0    1    0 155.6   70.1 29.0         0         1 126
## 1873 1873 53    1    1    0 172.9   78.2 26.1         0         0 119
## 1874 1874 62    0    1    0 171.2   79.8 27.2         1         0 131
## 1875 1875 65    1    3    0 167.2   85.5 30.6         0         0 130
## 1876 1876 61    1    1    1 164.2   76.1 28.2         1         1 136
## 1877 1877 59    0    1    2 183.7   89.3 26.5         1         0 132
## 1878 1878 64    0    1    0 169.5   79.4 27.6         1         0 140
## 1879 1879 48    1    1    0 175.1   65.5 21.4         0         1 122
## 1880 1880 54    1    3    1 172.2   69.4 23.4         0         0 130
## 1881 1881 62    1    2    0 167.1   78.7 28.2         0         0 125
## 1882 1882 59    1    1    0 173.5   77.5 25.7         0         0 127
## 1883 1883 56    0    1    1 159.8   82.7 32.4         0         0 123
## 1884 1884 61    0    3    1 154.6   63.1 26.4         0         0 122
## 1885 1885 60    1    1    0 179.5   91.6 28.4         0         0 119
## 1886 1886 62    0    1    0 166.0   78.7 28.6         0         0 130
## 1887 1887 63    0    1    2 161.0   74.9 28.9         1         0 131
## 1888 1888 52    1    3    0 169.1   82.5 28.9         0         0 121
## 1889 1889 54    1    1    0 164.4   80.2 29.7         1         1 135
## 1890 1890 56    0    2    0 169.4   85.6 29.8         0         0 129
## 1891 1891 55    0    1    1 166.0   76.7 27.8         0         0 128
## 1892 1892 67    1    1    0 172.0   75.2 25.4         1         0 140
## 1893 1893 62    0    1    0 169.4   86.6 30.2         0         0 130
## 1894 1894 62    1    2    0 166.5   87.2 31.5         1         0 132
## 1895 1895 54    1    2    0 165.6   73.8 26.9         1         0 145
## 1896 1896 61    0    1    0 174.9   67.0 21.9         0         1 127
## 1897 1897 64    0    1    2 167.5   76.7 27.3         1         0 131
## 1898 1898 53    0    4    1 163.9   78.4 29.2         0         1 123
## 1899 1899 53    0    3    0 171.6   84.7 28.7         0         0 122
## 1900 1900 61    1    1    0 168.6   91.5 32.2         0         0 128
## 1901 1901 59    0    3    2 168.5   75.6 26.6         0         0 120
## 1902 1902 66    1    1    1 163.5   75.4 28.2         1         0 137
## 1903 1903 61    0    1    0 175.1   83.6 27.3         1         0 134
## 1904 1904 67    0    3    0 170.8   74.5 25.5         1         0 135
## 1905 1905 67    0    1    1 159.8   82.4 32.3         1         0 137
## 1906 1906 66    0    1    2 168.8   77.4 27.2         0         0 128
## 1907 1907 60    1    3    1 169.6   77.1 26.8         1         1 139
## 1908 1908 60    1    1    0 169.9   81.2 28.1         0         0 128
## 1909 1909 58    1    3    1 181.1   83.3 25.4         0         0 130
## 1910 1910 63    0    1    0 173.9   88.4 29.2         0         0 127
## 1911 1911 60    1    1    1 168.7   84.2 29.6         0         0 120
## 1912 1912 60    1    1    1 166.3   77.3 28.0         1         0 132
## 1913 1913 56    0    1    0 167.2   87.8 31.4         0         0 129
## 1914 1914 61    0    1    0 172.5   77.8 26.1         1         1 141
## 1915 1915 61    1    3    0 166.5   79.5 28.7         1         0 132
## 1916 1916 60    1    1    0 167.8   68.1 24.2         1         0 132
## 1917 1917 61    0    1    0 162.5   70.9 26.9         1         0 133
## 1918 1918 57    1    1    1 167.9   80.7 28.6         0         0 126
```

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## 1919 1919  56    0    1    1  169.1   87.2 30.5        0        0 122
## 1920 1920  69    1    4    1  167.3   81.8 29.2        1        0 139
## 1921 1921  67    0    1    0  172.7   80.6 27.0        1        0 138
## 1922 1922  62    0    1    1  170.7   79.1 27.2        1        0 133
## 1923 1923  60    0    1    2  176.2   74.5 24.0        0        0 122
## 1924 1924  57    0    3    1  177.5   73.5 23.3        1        0 134
## 1925 1925  57    1    1    0  170.2   76.3 26.3        0        0 115
## 1926 1926  61    1    1    0  167.5   78.3 27.9        0        0 122
## 1927 1927  54    0    1    0  167.2   69.5 24.9        0        0 127
## 1928 1928  67    0    1    1  167.9   78.1 27.7        1        1 143
## 1929 1929  57    0    1    0  175.4   79.2 25.7        0        0 130
## 1930 1930  62    1    1    1  173.1   81.5 27.2        1        0 142
## 1931 1931  61    0    1    1  175.6   69.4 22.5        0        0 127
## 1932 1932  62    1    1    0  178.1   82.9 26.1        0        0 127
## 1933 1933  57    1    1    0  165.7   77.4 28.2        0        0 112
## 1934 1934  58    0    1    0  170.9   70.6 24.2        1        0 137
## 1935 1935  64    0    1    1  172.3   79.4 26.7        1        0 138
## 1936 1936  60    0    1    0  167.1   84.3 30.2        0        0 122
## 1937 1937  58    1    4    1  178.2   84.5 26.6        1        0 143
## 1938 1938  51    1    1    1  172.4   90.6 30.5        0        1 115
## 1939 1939  63    1    2    2  172.1   82.0 27.7        1        1 136
## 1940 1940  59    1    1    0  182.1   85.3 25.7        0        0 130
## 1941 1941  62    1    3    0  169.1   82.9 29.0        1        0 135
## 1942 1942  56    1    3    0  174.2   87.9 29.0        0        0 130
## 1943 1943  64    1    1    1  166.9   69.2 24.8        1        1 137
## 1944 1944  58    1    3    1  176.7   75.8 24.3        1        0 133
## 1945 1945  53    0    1    0  162.8   85.9 32.4        1        0 139
## 1946 1946  65    1    3    0  177.2   88.3 28.1        1        0 137
## 1947 1947  60    0    1    0  173.9   81.2 26.8        1        0 134
## 1948 1948  53    0    3    0  181.3   74.4 22.6        0        0 123
## 1949 1949  55    0    1    1  167.0   89.3 32.0        0        0 127
## 1950 1950  56    1    1    2  173.3   76.3 25.4        1        0 133
## 1951 1951  57    0    1    0  162.2   75.0 28.5        0        0 117
## 1952 1952  54    0    1    0  177.6   83.6 26.5        1        0 133
## 1953 1953  67    0    1    0  174.7   91.3 29.9        1        0 147
## 1954 1954  67    0    4    0  168.0   66.0 23.4        1        0 149
## 1955 1955  58    1    1    0  168.1   87.6 31.0        0        0 116
## 1956 1956  61    0    1    0  182.1  101.7 30.7        1        0 132
## 1957 1957  63    1    1    0  161.9   86.0 32.8        0        1 130
## 1958 1958  65    0    3    1  171.2   77.2 26.3        1        0 145
## 1959 1959  53    0    1    0  172.5   87.7 29.5        0        0 123
## 1960 1960  68    0    4    0  169.0   78.3 27.4        1        0 145
## 1961 1961  61    1    1    0  177.3   83.2 26.5        0        1 129
## 1962 1962  60    1    1    0  172.7   61.8 20.7        0        0 124
## 1963 1963  53    0    1    2  160.7   71.7 27.8        0        0 126
## 1964 1964  53    0    3    1  178.7   84.0 26.3        0        0 116
## 1965 1965  57    0    1    0  173.1   95.3 31.8        1        0 133
## 1966 1966  56    1    2    1  174.0   72.2 23.8        0        0 129
## 1967 1967  58    0    3    0  169.9   73.1 25.3        1        0 136
## 1968 1968  58    1    1    0  163.6   81.8 30.6        0        0 119
## 1969 1969  67    0    2    0  160.9   75.1 29.0        1        0 137
## 1970 1970  51    0    1    1  171.9   78.7 26.6        0        0 127
## 1971 1971  66    1    3    0  178.4   69.4 21.8        1        0 138
## 1972 1972  65    1    1    0  172.1   80.2 27.1        1        0 133
```

```
## 1973 1973  63    0    1       1  176.3   79.3 25.5        0        0 130
## 1974 1974  55    0    1       0  177.8   84.3 26.7        0        0 118
## 1975 1975  58    1    3       0  176.9   82.7 26.4        1        0 134
## 1976 1976  64    0    1       0  174.7   79.0 25.9        0        0 123
## 1977 1977  59    0    1       1  168.5   74.6 26.2        1        0 136
## 1978 1978  57    0    1       0  177.8   85.6 27.1        0        0 123
## 1979 1979  55    0    1       0  165.2   77.6 28.4        1        0 131
## 1980 1980  59    0    1       0  165.8   69.2 25.2        0        0 123
## 1981 1981  56    0    1       1  170.6   75.7 26.0        1        0 136
## 1982 1982  55    1    1       0  170.2   76.8 26.5        0        0 129
## 1983 1983  60    1    3       0  168.9   89.0 31.2        1        1 135
## 1984 1984  56    0    3       0  170.5   74.4 25.6        0        1 129
## 1985 1985  55    1    1       0  182.7   91.7 27.5        0        1 115
## 1986 1986  59    0    1       0  174.5   90.2 29.6        0        0 128
## 1987 1987  62    1    3       0  173.9   84.1 27.8        1        0 138
## 1988 1988  61    1    4       0  167.9   87.6 31.1        1        1 149
## 1989 1989  61    1    1       0  163.6   79.6 29.7        0        0 126
## 1990 1990  69    1    4       1  169.6   78.1 27.2        1        0 131
## 1991 1991  63    1    2       0  165.8   85.5 31.1        0        0 120
## 1992 1992  60    1    1       0  174.4   88.9 29.2        0        0 127
## 1993 1993  56    0    3       1  162.7   71.8 27.1        0        0 125
## 1994 1994  54    0    1       2  174.0   74.7 24.7        1        0 132
## 1995 1995  56    0    3       1  173.0   82.7 27.6        0        0 130
## 1996 1996  60    1    3       1  169.1   76.9 26.9        0        0 120
## 1997 1997  51    0    1       0  172.3   70.2 23.6        1        0 141
## 1998 1998  61    0    2       0  175.7   87.7 28.4        1        0 136
## 1999 1999  57    0    1       0  162.5   80.8 30.6        0        0 116
## 2000 2000  58    1    1       0  171.8   80.0 27.1        1        0 131
## 2001 2001  62    1    1       0  164.8   63.1 23.3        0        0 113
## 2002 2002  62    1    1       2  173.0   88.2 29.5        1        0 131
## 2003 2003  65    1    3       0  164.6   70.9 26.2        1        1 138
## 2004 2004  54    0    1       1  166.2   86.2 31.2        0        0 122
## 2005 2005  59    0    1       1  171.4   75.5 25.7        0        0 110
## 2006 2006  67    0    1       2  175.0   88.1 28.8        1        0 140
## 2007 2007  61    0    1       0  164.4   77.5 28.7        1        0 139
## 2008 2008  64    1    1       0  167.6   82.6 29.4        0        0 126
## 2009 2009  45    0    1       0  164.6   82.4 30.4        0        0 120
## 2010 2010  62    0    1       0  167.5   75.0 26.7        0        0 128
## 2011 2011  55    1    1       0  176.7   76.1 24.4        0        0 123
## 2012 2012  59    0    1       1  169.8   75.1 26.0        1        0 136
## 2013 2013  62    0    1       0  178.0   81.0 25.6        1        1 134
## 2014 2014  63    1    4       1  161.6   70.0 26.8        1        0 138
## 2015 2015  59    0    1       0  170.1   67.8 23.4        1        1 135
## 2016 2016  61    0    1       0  174.3   88.5 29.2        1        0 141
## 2017 2017  67    0    1       0  175.6   80.8 26.2        1        0 139
## 2018 2018  58    0    1       1  161.1   70.0 27.0        0        0 129
## 2019 2019  67    1    3       1  171.3   69.7 23.8        1        0 133
## 2020 2020  56    0    1       1  165.2   77.6 28.4        0        0 127
## 2021 2021  61    0    4       1  167.7   81.4 28.9        0        0 128
## 2022 2022  67    0    3       0  169.9   79.4 27.5        1        0 132
## 2023 2023  47    1    1       0  163.2   79.4 29.8        0        0 106
## 2024 2024  68    1    1       0  163.2   85.2 32.0        1        0 133
## 2025 2025  68    1    1       2  165.4   76.3 27.9        1        0 146
## 2026 2026  59    0    1       0  161.8   85.2 32.6        1        0 131
```

```
## 2027 2027 54     1     1          1 172.5     85.2 28.6            0            0 124
## 2028 2028 60     0     1          0 171.8     83.2 28.2            0            0 127
## 2029 2029 63     1     1          0 163.2     77.9 29.2            1            0 144
## 2030 2030 66     0     1          1 174.2     71.4 23.5            0            0 126
## 2031 2031 60     0     1          1 170.4     74.7 25.7            0            1 129
## 2032 2032 54     1     3          0 169.8     69.6 24.1            0            0 126
## 2033 2033 56     0     3          0 154.2     77.6 32.6            0            0 127
## 2034 2034 67     1     1          0 170.3     77.0 26.5            1            0 141
## 2035 2035 61     0     1          0 166.6     88.3 31.8            0            0 122
## 2036 2036 65     0     4          0 172.4     78.9 26.5            1            0 131
## 2037 2037 59     1     1          0 167.5     74.1 26.4            0            0 126
## 2038 2038 64     1     2          1 178.5     73.6 23.1            1            0 132
## 2039 2039 63     1     1          2 155.8     75.5 31.1            0            0 128
## 2040 2040 63     0     1          0 160.0     66.7 26.1            0            0 130
## 2041 2041 61     0     1          0 160.3     82.2 32.0            1            0 136
## 2042 2042 62     1     3          1 157.7     76.3 30.7            1            0 139
## 2043 2043 61     1     1          1 167.6     69.4 24.7            1            0 145
## 2044 2044 67     1     1          1 166.8     78.4 28.2            1            0 133
## 2045 2045 51     0     1          0 168.8     74.4 26.1            0            0 121
## 2046 2046 59     1     3          0 175.5     70.0 22.7            1            0 138
## 2047 2047 67     0     1          0 178.4     77.3 24.3            1            0 142
## 2048 2048 55     1     1          1 173.3     82.9 27.6            1            0 131
## 2049 2049 62     0     1          0 172.0     69.0 23.3            1            0 137
## 2050 2050 65     0     1          0 165.8     73.2 26.6            1            0 142
## 2051 2051 61     1     1          0 178.0     69.7 22.0            1            1 142
## 2052 2052 58     1     1          2 152.6     72.6 31.2            1            1 135
## 2053 2053 62     0     1          1 169.7     68.9 23.9            1            0 133
## 2054 2054 60     0     1          0 172.1     76.9 26.0            1            0 133
## 2055 2055 57     1     1          0 171.6     79.9 27.1            1            0 146
## 2056 2056 61     0     1          1 166.4     83.4 30.1            1            0 136
## 2057 2057 57     1     1          0 163.1     75.5 28.4            0            1 122
## 2058 2058 63     1     1          1 175.4     86.8 28.2            0            0 115
## 2059 2059 55     1     1          0 165.1     91.5 33.6            0            0 124
## 2060 2060 57     1     4          1 164.6     77.5 28.6            1            1 135
## 2061 2061 65     0     3          0 165.1     72.0 26.4            0            1 127
## 2062 2062 56     1     4          2 167.3     77.1 27.6            0            0 119
## 2063 2063 66     1     3          0 156.8     86.9 35.4            1            0 132
## 2064 2064 60     1     1          0 165.6     86.7 31.6            1            0 131
## 2065 2065 62     1     1          0 170.6     70.5 24.2            1            0 132
## 2066 2066 57     0     4          0 164.5     74.1 27.4            0            0 127
## 2067 2067 64     1     1          1 172.8     80.0 26.8            0            0 127
## 2068 2068 59     1     1          0 164.5     88.4 32.7            0            1 127
## 2069 2069 70     1     3          0 180.5     84.8 26.0            1            0 136
## 2070 2070 58     1     1          1 172.2     76.8 25.9            1            0 147
## 2071 2071 61     0     1          0 166.3     82.8 29.9            1            0 133
## 2072 2072 53     1     3          1 167.2     75.0 26.8            0            0 123
## 2073 2073 62     0     1          0 172.7     69.3 23.2            1            0 139
## 2074 2074 63     0     1          0 175.5     81.8 26.5            1            0 142
## 2075 2075 57     1     3          0 170.3     68.7 23.7            1            0 135
## 2076 2076 56     0     1          2 169.2     76.6 26.8            1            0 137
## 2077 2077 54     1     3          0 163.3     67.3 25.2            0            0 122
## 2078 2078 57     1     1          0 166.8     70.4 25.3            1            0 133
## 2079 2079 55     1     1          0 175.0     92.2 30.1            0            1 113
## 2080 2080 55     1     1          0 170.9     78.2 26.8            1            0 135
```

```
## 2081 2081 67   0   3        1   166.9    79.8 28.6            1            0 140
## 2082 2082 60   0   1        0   177.9    86.0 27.2            1            0 138
## 2083 2083 54   0   1        0   175.5    86.4 28.0            0            0 128
## 2084 2084 61   0   1        0   169.4    89.4 31.1            0            0 124
## 2085 2085 60   0   1        0   169.1    98.4 34.4            1            0 155
## 2086 2086 61   0   1        0   174.4    78.6 25.8            1            1 144
## 2087 2087 58   1   1        0   166.0    89.3 32.4            1            0 137
## 2088 2088 53   0   1        1   169.5    82.4 28.7            1            0 138
## 2089 2089 64   0   3        0   167.1    80.0 28.7            0            0 121
## 2090 2090 53   0   4        0   169.8    90.7 31.5            1            1 133
## 2091 2091 57   0   1        0   161.9    86.6 33.1            1            0 132
## 2092 2092 60   0   1        2   169.7    81.0 28.2            1            0 137
## 2093 2093 59   0   1        1   176.9    86.4 27.6            1            0 148
## 2094 2094 54   0   1        0   179.9    74.7 23.1            0            0 130
## 2095 2095 57   0   1        0   166.7    80.3 28.9            0            0 129
## 2096 2096 54   1   3        0   152.5    78.4 33.7            0            0 115
## 2097 2097 66   1   1        0   173.6    73.6 24.4            0            0 115
## 2098 2098 57   1   1        1   171.4    74.5 25.4            0            1 126
## 2099 2099 58   1   1        0   168.3    68.4 24.2            0            0 128
## 2100 2100 65   1   3        1   173.0    84.9 28.4            1            0 138
## 2101 2101 62   0   1        1   177.9    81.8 25.9            0            0 124
## 2102 2102 63   1   1        0   176.5    96.4 31.0            0            1 129
## 2103 2103 55   0   1        1   155.0    78.7 32.8            0            0 125
## 2104 2104 64   0   1        1   159.7    76.4 30.0            0            0 122
## 2105 2105 50   0   1        0   174.8    78.1 25.6            0            0 122
## 2106 2106 60   1   3        0   181.1    96.7 29.5            0            0 124
## 2107 2107 55   0   4        0   179.0    87.1 27.2            0            0 120
## 2108 2108 62   0   1        2   166.4    68.1 24.6            0            1 123
## 2109 2109 56   0   3        0   168.4    89.9 31.7            0            0 122
## 2110 2110 56   1   1        0   167.6    83.8 29.8            1            0 135
## 2111 2111 52   0   1        0   167.3    75.7 27.1            0            0 127
## 2112 2112 47   1   1        0   164.7    79.4 29.3            1            0 133
## 2113 2113 58   0   1        0   178.2    84.5 26.6            0            0 125
## 2114 2114 61   0   1        2   167.6    89.6 31.9            0            0 127
## 2115 2115 62   0   1        2   165.0    78.7 28.9            0            0 129
## 2116 2116 61   1   1        0   164.6    88.5 32.7            0            0 130
## 2117 2117 66   1   3        0   167.3    70.7 25.2            0            1 129
## 2118 2118 64   0   1        0   170.2    80.2 27.7            1            1 141
## 2119 2119 59   0   1        0   164.5    85.6 31.6            0            0 128
## 2120 2120 57   1   2        0   179.7    77.8 24.1            1            0 131
## 2121 2121 57   0   1        1   173.8    65.6 21.7            0            0 127
## 2122 2122 57   1   1        0   176.9    79.5 25.4            0            0 127
## 2123 2123 60   0   3        0   160.1    74.7 29.1            0            0 125
## 2124 2124 62   0   1        2   175.5    79.9 25.9            1            0 131
## 2125 2125 64   1   1        0   177.8    83.2 26.3            1            0 135
## 2126 2126 61   0   3        0   183.8    76.9 22.8            1            0 131
## 2127 2127 58   0   1        2   175.1    89.0 29.0            1            1 138
## 2128 2128 63   1   2        0   169.0    83.3 29.2            0            0 128
## 2129 2129 55   0   1        0   170.3    79.7 27.5            0            0 127
## 2130 2130 63   0   1        0   164.1    81.1 30.1            0            0 126
## 2131 2131 49   1   4        0   171.8    93.5 31.7            0            0 124
## 2132 2132 66   0   1        1   176.6    82.1 26.3            1            0 135
## 2133 2133 56   1   1        0   188.5    75.8 21.3            0            0 130
## 2134 2134 54   0   3        0   173.8    88.7 29.4            0            0 123
```

```
## 2135 2135 63    1    3    1   173.2   89.9 30.0           1           0 137
## 2136 2136 65    0    1    0   178.4   84.0 26.4           1           0 141
## 2137 2137 70    1    1    0   166.0   80.3 29.2           1           0 132
## 2138 2138 64    0    1    0   170.5   84.6 29.1           0           0 126
## 2139 2139 64    1    4    0   166.5   74.7 26.9           1           0 144
## 2140 2140 66    0    4    1   166.3   85.1 30.7           1           0 138
## 2141 2141 60    1    1    0   171.6   86.6 29.4           1           0 139
## 2142 2142 62    1    4    1   172.6   77.8 26.1           1           0 139
## 2143 2143 62    1    1    0   168.5   84.7 29.8           1           0 142
## 2144 2144 62    0    1    0   168.7   83.1 29.2           1           0 144
## 2145 2145 64    1    4    1   178.2   89.6 28.2           1           0 138
## 2146 2146 57    0    1    0   162.1   81.4 31.0           0           0 120
## 2147 2147 65    1    1    0   170.8   85.9 29.4           0           1 128
## 2148 2148 53    1    2    0   173.8   76.0 25.2           1           1 131
## 2149 2149 59    0    1    2   171.8   76.6 25.9           1           0 133
## 2150 2150 64    0    3    0   168.1   75.4 26.7           1           0 139
## 2151 2151 61    1    1    2   170.1   81.7 28.2           0           0 130
## 2152 2152 56    0    3    0   170.0   87.3 30.2           0           1 109
## 2153 2153 57    1    1    0   170.2   93.7 32.3           0           0 125
## 2154 2154 64    1    1    0   162.7   72.3 27.3           1           0 135
## 2155 2155 58    1    1    0   176.7   75.6 24.2           0           0 127
## 2156 2156 57    0    2    0   164.5   72.5 26.8           1           0 136
## 2157 2157 66    1    3    0   173.2   84.2 28.1           1           1 132
## 2158 2158 61    0    2    0   177.5   82.1 26.1           0           0 127
## 2159 2159 62    0    1    0   165.6   81.4 29.7           1           0 141
## 2160 2160 60    1    4    0   172.3   89.7 30.2           1           0 137
## 2161 2161 61    1    1    0   165.9   83.9 30.5           1           0 134
## 2162 2162 57    1    1    0   178.8   72.0 22.5           0           0 126
## 2163 2163 66    1    2    2   177.5   79.0 25.1           1           0 132
## 2164 2164 57    0    3    1   168.0   79.4 28.1           1           0 134
## 2165 2165 59    1    1    0   163.0   77.2 29.0           0           0 121
## 2166 2166 57    1    1    0   170.2   60.5 20.9           0           0 127
## 2167 2167 66    1    3    0   175.5   73.5 23.9           0           0 127
## 2168 2168 59    1    3    0   178.3   86.2 27.1           1           1 135
## 2169 2169 57    1    4    0   159.4   63.6 25.0           1           0 134
## 2170 2170 61    0    1    0   174.0   84.2 27.8           1           0 141
## 2171 2171 59    0    1    0   174.2   78.2 25.8           0           0 126
## 2172 2172 64    0    1    0   174.2   77.8 25.6           1           0 151
## 2173 2173 68    0    4    1   172.9   83.0 27.8           1           0 141
## 2174 2174 68    0    1    0   173.2   82.0 27.3           1           0 136
## 2175 2175 60    0    4    0   169.0   84.7 29.7           0           0 124
## 2176 2176 63    0    3    1   160.1   68.6 26.8           1           0 140
## 2177 2177 65    0    4    1   163.6   85.3 31.9           1           0 138
## 2178 2178 58    1    1    0   178.5   89.6 28.1           0           0 125
## 2179 2179 60    1    1    1   176.9   84.5 27.0           0           0 119
## 2180 2180 69    1    1    0   171.8   80.5 27.3           1           0 139
## 2181 2181 63    0    1    0   168.8   74.0 26.0           1           0 139
## 2182 2182 62    1    1    1   174.2   77.4 25.5           0           0 130
## 2183 2183 65    0    1    1   176.3   81.5 26.2           1           0 137
## 2184 2184 63    0    1    0   173.3   76.3 25.4           1           1 138
## 2185 2185 57    0    1    0   174.6   82.2 26.9           0           0 112
## 2186 2186 61    0    3    0   168.5   81.1 28.6           0           0 125
## 2187 2187 56    0    1    1   167.1   76.0 27.2           1           0 137
## 2188 2188 61    1    1    1   169.5   74.5 25.9           0           0 127
```

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## 2189 2189 62    1    3    0  156.8   73.2 29.8        0        0 117
## 2190 2190 54    0    1    2  164.3   81.8 30.3        0        0 115
## 2191 2191 57    0    4    1  172.3   93.3 31.4        0        1 128
## 2192 2192 62    1    1    0  180.3   87.8 27.0        1        0 132
## 2193 2193 57    0    1    0  160.7   85.8 33.2        1        0 134
## 2194 2194 59    1    1    2  166.2   67.9 24.6        1        0 133
## 2195 2195 67    0    1    0  165.9   75.9 27.6        0        0 130
## 2196 2196 53    1    1    1  169.4   90.0 31.4        0        0 127
## 2197 2197 64    0    3    0  164.4   84.5 31.3        1        1 139
## 2198 2198 58    1    3    1  166.3   75.6 27.3        0        1 126
## 2199 2199 63    1    1    1  180.1   77.7 23.9        0        0 128
## 2200 2200 62    1    1    0  165.9   76.3 27.7        1        0 135
## 2201 2201 54    1    1    1  187.6   78.5 22.3        0        0 129
## 2202 2202 62    0    1    0  168.6   75.0 26.4        0        0 118
## 2203 2203 59    0    1    0  178.1   98.1 30.9        0        0 125
## 2204 2204 60    1    4    0  171.4   79.7 27.1        0        1 129
## 2205 2205 59    0    1    2  166.8   78.8 28.3        1        0 132
## 2206 2206 58    0    1    1  170.1   81.4 28.1        1        0 135
## 2207 2207 60    1    1    0  167.3   78.4 28.0        0        0 128
## 2208 2208 62    1    1    1  177.3   67.3 21.4        1        0 138
## 2209 2209 58    0    1    2  161.8   75.1 28.7        0        0 112
## 2210 2210 59    0    3    0  173.9   90.7 30.0        1        0 138
## 2211 2211 59    1    1    1  173.3   79.4 26.4        1        1 131
## 2212 2212 59    1    1    1  156.4   81.3 33.2        0        0 129
## 2213 2213 62    1    1    0  175.6   80.8 26.2        0        0 125
## 2214 2214 63    0    1    1  173.7   67.0 22.2        0        0 125
## 2215 2215 59    0    1    0  171.3   93.7 31.9        0        0 129
## 2216 2216 64    0    4    0  181.0   82.0 25.0        1        0 134
## 2217 2217 57    1    1    1  168.7   80.4 28.3        1        0 131
## 2218 2218 69    0    4    1  167.2   85.5 30.6        1        0 138
## 2219 2219 61    1    3    1  172.4   78.7 26.5        0        0 126
## 2220 2220 56    0    1    0  169.4   81.7 28.5        1        0 134
## 2221 2221 57    0    1    1  172.2   75.7 25.5        1        0 133
## 2222 2222 64    1    2    1  179.0   77.6 24.2        1        0 135
## 2223 2223 56    0    3    0  166.3   87.2 31.5        0        0 128
## 2224 2224 64    1    3    0  166.6   84.4 30.4        0        0 130
## 2225 2225 66    0    1    0  162.6   67.5 25.5        0        0 126
## 2226 2226 59    0    1    1  175.8   80.4 26.0        0        0 127
## 2227 2227 58    0    3    1  180.1   92.2 28.4        1        0 132
## 2228 2228 61    0    1    0  174.1   84.5 27.9        1        0 132
## 2229 2229 57    0    1    0  175.3   86.1 28.0        0        0 130
## 2230 2230 64    1    1    0  167.4   89.2 31.8        1        0 131
## 2231 2231 59    0    4    0  162.5   84.3 31.9        1        0 139
## 2232 2232 59    0    1    1  169.1   69.7 24.4        1        0 132
## 2233 2233 63    1    1    0  175.5   94.9 30.8        0        0 129
## 2234 2234 64    0    1    2  172.9   83.5 27.9        0        0 129
## 2235 2235 60    0    1    1  165.4   79.0 28.9        1        0 131
## 2236 2236 56    1    3    0  164.5   86.6 32.0        1        0 138
## 2237 2237 59    0    1    0  171.5   82.1 27.9        1        0 140
## 2238 2238 67    1    3    0  167.9   85.1 30.2        1        0 133
## 2239 2239 65    0    4    0  169.3   87.0 30.3        1        0 131
## 2240 2240 59    0    4    2  176.6   76.6 24.6        0        0 120
## 2241 2241 62    0    1    0  168.1   72.9 25.8        0        0 127
## 2242 2242 56    0    4    1  167.1   84.3 30.2        1        0 136
```

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## 2243 2243 64    1    3    1 168.6   76.0 26.7         0         0 122
## 2244 2244 60    0    4    0 159.7   69.2 27.1         1         0 135
## 2245 2245 58    1    1    1 169.7   84.5 29.3         1         0 141
## 2246 2246 57    1    1    0 159.1   79.7 31.5         1         0 138
## 2247 2247 56    0    1    0 163.1   77.1 29.0         0         0 127
## 2248 2248 58    0    1    1 174.0   83.3 27.5         0         0 119
## 2249 2249 55    0    1    0 165.8   85.6 31.2         0         1 128
## 2250 2250 52    1    3    1 178.1   70.3 22.2         0         1 129
## 2251 2251 61    0    4    0 165.7   78.3 28.5         1         0 141
## 2252 2252 58    0    4    0 168.5   74.2 26.1         0         0 119
## 2253 2253 65    1    1    0 167.8   91.1 32.4         1         1 145
## 2254 2254 62    0    3    2 167.8   80.1 28.4         0         0 120
## 2255 2255 58    0    4    1 170.1   82.5 28.5         0         1 125
## 2256 2256 64    0    1    1 163.6   86.7 32.4         0         1 117
## 2257 2257 54    1    1    2 166.0   73.8 26.8         1         0 132
## 2258 2258 53    1    2    1 170.3   85.7 29.5         0         0 124
## 2259 2259 59    1    1    0 164.6   76.7 28.3         1         0 131
## 2260 2260 59    0    1    0 175.6   74.2 24.1         1         0 133
## 2261 2261 65    1    1    1 172.0   75.0 25.4         1         1 138
## 2262 2262 57    1    3    0 173.1   84.1 28.1         0         0 126
## 2263 2263 51    0    3    1 174.3   80.4 26.5         0         0 124
## 2264 2264 58    0    4    1 170.4   87.7 30.2         1         0 137
## 2265 2265 51    0    1    1 167.6   74.6 26.5         0         0 117
## 2266 2266 63    0    1    0 168.2   80.0 28.3         1         0 142
## 2267 2267 66    0    1    1 168.6   74.7 26.3         1         0 134
## 2268 2268 57    0    1    0 173.0   83.1 27.7         1         0 132
## 2269 2269 65    1    3    0 154.6   72.5 30.3         1         0 134
## 2270 2270 63    1    4    0 169.3   78.8 27.5         1         0 135
## 2271 2271 63    0    1    1 172.0   87.1 29.5         1         0 132
## 2272 2272 54    0    1    0 175.8   76.6 24.8         0         1 124
## 2273 2273 60    0    1    0 161.5   77.2 29.6         0         0 117
## 2274 2274 55    1    3    0 157.1   73.5 29.8         1         0 141
## 2275 2275 59    0    1    0 171.5   94.9 32.3         1         0 135
## 2276 2276 65    0    2    1 168.1   72.4 25.6         1         1 133
## 2277 2277 59    0    1    0 182.0   78.1 23.6         1         0 132
## 2278 2278 67    0    1    0 166.7   88.2 31.7         1         0 137
## 2279 2279 65    1    1    0 177.5   86.6 27.5         1         1 146
## 2280 2280 64    0    1    0 158.4   75.5 30.1         0         0 113
## 2281 2281 59    0    1    1 164.3   81.1 30.0         0         0 126
## 2282 2282 61    1    1    1 179.7   75.9 23.5         0         0 128
## 2283 2283 57    1    2    2 175.6   83.7 27.1         0         0 126
## 2284 2284 56    0    1    1 174.8   81.8 26.8         0         0 114
## 2285 2285 61    1    3    1 180.2   73.4 22.6         1         1 131
## 2286 2286 65    0    1    0 163.2   77.0 28.9         1         0 135
## 2287 2287 68    1    4    0 168.8   92.2 32.3         1         0 144
## 2288 2288 54    1    1    0 171.4   82.5 28.1         0         0 106
## 2289 2289 62    1    1    0 175.2   88.3 28.8         0         1 125
## 2290 2290 62    1    3    0 172.3   89.8 30.2         0         1 127
## 2291 2291 62    0    3    0 167.7   84.8 30.2         0         0 129
## 2292 2292 60    1    3    0 167.3   83.7 29.9         0         0 122
## 2293 2293 62    1    1    0 170.1   77.1 26.7         0         0 127
## 2294 2294 65    1    1    0 167.0   87.4 31.3         1         0 144
## 2295 2295 60    1    2    0 173.2   87.4 29.1         0         0 126
## 2296 2296 59    0    2    0 173.0   92.5 30.9         0         0 130
```

```
## 2297 2297 57   1   1   1 174.1  80.3 26.5    0    0 114
## 2298 2298 61   0   3   2 169.5  86.3 30.1    1    0 146
## 2299 2299 62   0   1   0 172.4  81.0 27.2    1    0 147
## 2300 2300 62   0   1   0 164.4  80.0 29.6    0    0 127
## 2301 2301 58   0   3   1 180.3  78.1 24.0    1    0 132
## 2302 2302 59   0   3   1 180.4  77.6 23.8    0    0 124
## 2303 2303 53   0   2   0 166.6  93.1 33.6    0    0 130
## 2304 2304 61   0   4   0 162.8  78.7 29.7    1    0 133
## 2305 2305 57   1   1   0 167.6  88.3 31.4    0    0 130
## 2306 2306 61   0   2   0 161.5  75.6 29.0    1    0 133
## 2307 2307 57   0   2   0 182.3  79.7 24.0    0    0 116
## 2308 2308 57   0   1   1 162.8  81.9 30.9    0    1 126
## 2309 2309 55   0   1   1 173.6  76.3 25.3    0    1 120
## 2310 2310 58   1   1   1 164.5  82.8 30.6    1    0 135
## 2311 2311 60   0   1   1 165.7  78.6 28.6    0    0 124
## 2312 2312 60   0   1   0 172.9  76.7 25.7    0    0 126
## 2313 2313 61   1   3   1 161.8  90.1 34.4    0    0 124
## 2314 2314 68   0   1   1 169.7  77.8 27.0    1    0 145
## 2315 2315 62   0   3   1 162.4  75.9 28.8    1    0 132
## 2316 2316 64   1   1   0 163.5  66.8 25.0    0    1 125
## 2317 2317 57   0   1   0 162.6  67.1 25.4    1    1 145
## 2318 2318 65   1   3   0 164.1  88.4 32.8    1    0 133
## 2319 2319 53   1   1   1 161.2  92.1 35.5    0    0 123
## 2320 2320 63   1   3   0 174.8  84.8 27.8    1    0 140
## 2321 2321 58   1   1   1 162.0  86.7 33.1    0    0 126
## 2322 2322 59   0   3   1 159.8  70.9 27.8    0    0 126
## 2323 2323 58   1   3   0 171.3  80.8 27.5    0    1 127
## 2324 2324 60   0   1   1 169.7  86.7 30.1    1    0 131
## 2325 2325 67   1   1   1 169.6  79.0 27.5    1    1 139
## 2326 2326 54   0   1   0 165.8  78.9 28.7    0    0 115
## 2327 2327 60   0   1   0 171.2  84.4 28.8    0    0 125
## 2328 2328 61   1   2   1 167.3  84.8 30.3    1    0 139
## 2329 2329 58   0   1   0 171.8  88.3 29.9    0    0 129
## 2330 2330 68   0   1   1 171.0  92.7 31.7    1    0 141
## 2331 2331 68   1   1   0 167.2  79.2 28.3    1    0 138
## 2332 2332 60   1   1   0 180.8  80.0 24.5    1    0 131
## 2333 2333 63   0   1   0 168.8  76.3 26.8    0    0 119
## 2334 2334 62   0   1   0 167.8  81.2 28.8    0    1 125
## 2335 2335 65   1   1   0 166.5  77.6 28.0    1    1 134
## 2336 2336 62   1   1   0 170.6  80.7 27.8    0    0 125
## 2337 2337 49   0   1   0 178.6  74.9 23.5    0    1 120
## 2338 2338 63   0   3   0 168.5  82.6 29.1    0    0 124
## 2339 2339 53   0   1   1 167.5  86.7 30.9    0    0 121
## 2340 2340 60   1   1   0 164.7  81.1 29.9    1    0 137
## 2341 2341 63   1   3   2 170.4  85.8 29.5    0    0 128
## 2342 2342 61   1   1   0 171.8  80.7 27.3    0    0 129
## 2343 2343 63   1   3   0 165.3  75.3 27.6    0    0 130
## 2344 2344 55   1   1   0 168.1  68.3 24.2    1    0 132
## 2345 2345 61   0   1   2 173.9  86.7 28.6    0    0 127
## 2346 2346 66   0   1   2 160.5  77.5 30.1    1    0 137
## 2347 2347 56   0   3   2 175.8  88.4 28.6    0    0 126
## 2348 2348 64   0   1   2 176.3  80.9 26.0    1    0 132
## 2349 2349 65   0   1   1 168.6  86.1 30.3    1    1 132
## 2350 2350 61   0   1   1 164.3  89.1 33.0    0    1 126
```

```
## 2351 2351  59    1    1     0   170.7   79.3 27.2          1         0 139
## 2352 2352  65    0    3     0   173.0   74.1 24.7          0         0 128
## 2353 2353  61    0    1     0   179.1   87.4 27.2          0         0 128
## 2354 2354  59    1    1     0   159.4   74.7 29.4          0         1 129
## 2355 2355  66    1    1     1   161.8   69.5 26.5          1         0 144
## 2356 2356  55    1    1     0   176.9   87.1 27.8          0         0 127
## 2357 2357  63    1    1     0   177.9   84.7 26.8          0         1 128
## 2358 2358  58    0    3     0   173.1   81.3 27.1          1         0 136
## 2359 2359  62    0    1     2   165.0   86.3 31.7          0         0 123
## 2360 2360  67    1    1     0   174.1   99.4 32.8          1         0 135
## 2361 2361  50    0    1     0   159.7   76.5 30.0          0         0 127
## 2362 2362  59    1    1     0   168.7   84.4 29.7          0         0 128
## 2363 2363  66    1    2     0   167.0   93.2 33.4          1         0 134
## 2364 2364  67    0    1     1   172.3   84.1 28.3          1         1 141
## 2365 2365  58    0    4     1   175.5   73.3 23.8          1         0 132
## 2366 2366  63    0    2     1   177.8   78.9 25.0          0         0 125
## 2367 2367  62    1    3     1   174.1   73.3 24.2          0         0 125
## 2368 2368  60    0    4     0   168.5   71.0 25.0          1         0 136
## 2369 2369  57    1    1     0   160.0   73.0 28.5          1         0 133
## 2370 2370  58    1    1     0   176.1   94.8 30.6          0         1 119
## 2371 2371  57    0    1     1   161.8   76.2 29.1          1         0 137
## 2372 2372  59    1    1     0   175.6   83.3 27.0          1         0 135
## 2373 2373  63    0    1     0   169.6   87.6 30.4          0         0 122
## 2374 2374  61    1    1     0   176.3   77.1 24.8          1         0 143
## 2375 2375  58    1    3     0   170.6   75.8 26.0          0         0 129
## 2376 2376  61    0    2     0   171.1   72.5 24.8          1         0 133
## 2377 2377  57    1    1     0   163.5   77.3 28.9          0         0 123
## 2378 2378  56    0    1     1   164.7   81.5 30.1          0         0 129
## 2379 2379  61    1    1     0   172.9   93.9 31.4          0         1 124
## 2380 2380  70    1    1     1   180.7   91.6 28.1          0         0 127
## 2381 2381  59    1    1     0   170.0   84.5 29.2          0         0 124
## 2382 2382  67    1    1     0   161.6   69.5 26.6          1         0 140
## 2383 2383  61    1    1     1   173.4   82.7 27.5          1         0 132
## 2384 2384  63    1    4     2   174.9   82.0 26.8          1         0 141
## 2385 2385  63    0    1     0   159.4   87.1 34.3          1         0 133
## 2386 2386  64    1    1     0   181.4   74.9 22.8          0         0 124
## 2387 2387  54    0    1     0   171.2   87.5 29.9          0         0 122
## 2388 2388  62    0    1     1   178.5   75.4 23.7          0         0 123
## 2389 2389  58    1    1     0   173.1   75.6 25.2          1         0 140
## 2390 2390  49    0    1     0   168.0   81.8 29.0          0         0 111
## 2391 2391  58    0    1     1   166.9   73.7 26.5          0         0 123
## 2392 2392  59    1    3     0   185.6   87.3 25.3          1         0 143
## 2393 2393  58    1    3     0   172.6   74.0 24.8          0         0 116
## 2394 2394  61    0    4     0   178.6   98.5 30.9          0         0 127
## 2395 2395  53    0    1     2   170.6   70.0 24.1          0         0 130
## 2396 2396  62    1    1     0   165.7   80.1 29.2          1         0 133
## 2397 2397  62    1    1     1   167.6   90.8 32.3          0         0 129
## 2398 2398  59    0    1     2   168.9   92.3 32.3          0         0 129
## 2399 2399  57    1    3     1   161.6   70.0 26.8          0         0 112
## 2400 2400  62    1    1     2   164.9   62.2 22.9          1         0 134
## 2401 2401  60    1    3     2   176.1   80.3 25.9          1         1 142
## 2402 2402  57    0    3     0   160.5   74.9 29.1          1         0 133
## 2403 2403  66    0    1     1   166.7   80.8 29.1          1         0 134
## 2404 2404  62    0    1     1   174.7   72.1 23.6          0         0 130
```

```
## 2405 2405 60    0    1    0 171.2  88.2 30.1           1           0 131
## 2406 2406 63    1    4    0 173.3  78.4 26.1           1           0 147
## 2407 2407 62    1    4    2 175.8  95.2 30.8           1           0 136
## 2408 2408 53    1    4    0 182.5  77.8 23.4           0           0 125
## 2409 2409 60    0    1    2 176.3  69.1 22.2           0           1 124
## 2410 2410 60    1    3    1 170.7  77.7 26.6           1           0 133
## 2411 2411 60    0    1    0 167.5  71.5 25.5           1           1 132
## 2412 2412 60    0    4    1 169.9  71.6 24.8           0           0 128
## 2413 2413 65    1    1    0 169.6  68.2 23.7           1           0 141
## 2414 2414 65    0    1    0 168.5  75.9 26.7           1           0 137
## 2415 2415 62    0    1    0 173.4  81.5 27.1           0           0 129
## 2416 2416 62    1    4    1 168.9  81.3 28.5           0           0 129
## 2417 2417 63    0    3    1 172.3  77.8 26.2           1           0 132
## 2418 2418 60    0    1    2 167.1  80.9 29.0           0           0 126
## 2419 2419 46    1    1    0 162.4  58.4 22.2           0           0 123
## 2420 2420 62    0    1    0 183.6  86.9 25.8           0           0 125
## 2421 2421 60    0    1    0 173.6  81.1 26.9           1           0 146
## 2422 2422 60    0    1    0 172.8  82.3 27.6           1           0 136
## 2423 2423 63    1    1    2 164.2  87.3 32.4           1           0 134
## 2424 2424 58    0    3    1 176.3  86.4 27.8           0           0 113
## 2425 2425 61    0    4    0 164.8  79.6 29.3           0           0 129
## 2426 2426 54    0    3    0 172.9  84.3 28.2           0           1 112
## 2427 2427 66    1    1    1 182.5  76.2 22.9           1           0 136
## 2428 2428 62    1    4    0 161.6  95.5 36.6           0           0 130
## 2429 2429 59    0    1    0 164.0  78.4 29.1           1           0 132
## 2430 2430 49    0    1    0 169.3  74.8 26.1           0           0 120
## 2431 2431 58    0    1    1 167.1  92.6 33.2           0           0 127
## 2432 2432 58    0    2    0 161.5  88.4 33.9           0           0 123
## 2433 2433 59    0    1    0 159.6  84.5 33.2           0           0 130
## 2434 2434 68    1    1    0 158.9  68.6 27.2           1           0 142
## 2435 2435 60    0    1    0 168.3  75.4 26.6           0           0 123
## 2436 2436 60    1    2    0 176.2  67.9 21.9           1           0 138
## 2437 2437 55    0    4    0 152.9  84.0 35.9           0           0 124
## 2438 2438 65    1    3    1 170.5  78.0 26.8           1           0 140
## 2439 2439 61    0    1    0 171.8  66.2 22.4           1           0 135
## 2440 2440 61    1    3    1 169.2  86.4 30.2           0           0 112
## 2441 2441 63    1    1    0 172.2  69.8 23.5           1           0 134
## 2442 2442 59    1    1    1 155.2  79.2 32.9           1           0 137
## 2443 2443 70    0    1    1 168.4  77.7 27.4           1           0 144
## 2444 2444 65    1    1    1 148.1  78.6 35.9           1           0 147
## 2445 2445 61    1    1    1 164.0  79.7 29.6           1           0 136
## 2446 2446 61    0    1    0 170.0  79.9 27.6           1           0 136
## 2447 2447 63    0    1    0 176.4  84.1 27.0           1           0 140
## 2448 2448 57    1    1    1 168.4  76.5 27.0           0           1 116
## 2449 2449 58    1    1    0 176.7  85.7 27.4           1           0 138
## 2450 2450 58    0    1    0 177.3  91.8 29.2           0           0 121
## 2451 2451 66    0    1    0 172.1  75.3 25.4           1           0 141
## 2452 2452 62    1    1    1 168.6  88.2 31.0           1           0 134
## 2453 2453 60    1    3    2 167.4  85.2 30.4           0           0 123
## 2454 2454 65    1    2    1 162.5  65.1 24.7           1           0 140
## 2455 2455 58    0    4    1 166.6  75.5 27.2           1           0 131
## 2456 2456 62    1    3    0 174.0  78.1 25.8           0           0 119
## 2457 2457 70    1    1    1 167.2  70.2 25.1           1           0 143
## 2458 2458 57    0    1    2 173.8  88.2 29.2           0           0 127
```

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## 2459 2459   64      1      1       0   169.3    69.0 24.1          0         0 129
## 2460 2460   55      0      1       0   163.9    74.1 27.6          0         0 118
## 2461 2461   53      1      1       0   169.4    79.8 27.8          0         0 119
## 2462 2462   55      1      3       1   181.1    79.2 24.2          0         0 105
## 2463 2463   68      0      1       0   168.5    73.7 26.0          1         0 136
## 2464 2464   62      0      1       1   177.2    77.3 24.6          1         0 133
## 2465 2465   63      0      3       1   169.7    88.2 30.6          1         0 132
## 2466 2466   64      0      3       0   171.5    77.3 26.3          1         0 137
## 2467 2467   56      0      1       0   185.9    81.1 23.5          0         0 126
## 2468 2468   63      1      1       0   159.9    76.7 30.0          0         0 128
## 2469 2469   64      1      1       0   172.6    78.1 26.2          1         1 136
## 2470 2470   61      1      1       0   176.4    81.6 26.2          1         0 144
## 2471 2471   64      0      1       0   176.7    90.1 28.9          1         1 139
## 2472 2472   60      1      1       1   178.2    83.2 26.2          0         0 121
## 2473 2473   53      0      1       0   165.8    69.5 25.3          0         0 115
## 2474 2474   64      1      1       1   172.7    71.1 23.8          1         0 136
## 2475 2475   64      1      1       0   167.2    90.2 32.3          1         1 135
## 2476 2476   67      1      1       1   179.9    84.0 26.0          1         1 144
## 2477 2477   59      1      1       0   174.2    88.2 29.1          1         0 139
## 2478 2478   64      0      1       1   168.4    77.8 27.4          1         0 139
## 2479 2479   61      0      3       0   165.9    94.3 34.2          1         0 131
## 2480 2480   57      1      1       0   168.3    78.7 27.8          0         0 126
## 2481 2481   55      0      1       0   163.9    70.4 26.2          1         0 133
## 2482 2482   50      1      1       2   172.6    76.6 25.7          0         0 123
## 2483 2483   50      0      1       2   175.1    78.3 25.5          0         0 117
## 2484 2484   65      0      1       0   159.7    75.1 29.4          0         1 121
## 2485 2485   53      1      3       0   174.1    73.2 24.1          0         1 126
## 2486 2486   60      0      4       0   160.1    78.0 30.4          1         0 135
## 2487 2487   56      1      3       1   176.4    77.2 24.8          1         1 136
## 2488 2488   63      1      2       0   185.5    76.4 22.2          1         0 131
## 2489 2489   57      0      4       1   164.6    77.6 28.7          1         1 135
## 2490 2490   64      0      4       1   164.1    81.9 30.4          1         0 134
## 2491 2491   61      0      1       0   168.9    87.8 30.8          0         0 130
## 2492 2492   59      1      4       1   167.6    76.5 27.3          0         0 118
## 2493 2493   57      0      3       1   178.1    80.3 25.3          1         0 137
## 2494 2494   63      1      2       1   165.1    72.8 26.7          1         0 134
## 2495 2495   56      1      1       0   173.7    88.8 29.4          0         0 110
## 2496 2496   55      1      3       1   174.7    76.5 25.0          1         0 138
## 2497 2497   68      1      1       0   172.8    76.0 25.5          1         0 132
## 2498 2498   65      1      3       0   154.0    75.7 31.9          0         0 124
## 2499 2499   61      0      3       0   179.4    90.6 28.1          1         0 135
## 2500 2500   57      0      3       0   167.4    82.8 29.5          1         0 131
## 2501 2501   63      0      4       0   172.9    88.6 29.6          1         1 132
## 2502 2502   57      0      1       0   177.8    68.7 21.7          1         0 137
## 2503 2503   56      0      1       0   169.2    78.5 27.4          0         1 122
## 2504 2504   62      0      4       2   174.6    79.1 25.9          1         0 132
## 2505 2505   63      0      4       1   167.3    76.0 27.2          0         0 119
## 2506 2506   63      1      4       2   170.4    86.0 29.6          1         1 131
## 2507 2507   60      1      1       2   177.9    78.9 25.0          1         0 135
## 2508 2508   61      1      3       0   180.9    84.3 25.8          1         0 133
## 2509 2509   59      1      1       0   166.7    75.4 27.2          1         0 139
## 2510 2510   66      1      3       0   161.0    60.9 23.5          1         0 141
## 2511 2511   62      0      2       1   165.7    72.7 26.5          1         0 134
## 2512 2512   61      1      1       0   161.4    81.5 31.3          0         0 130
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## 2513 2513 54   0   1   0   163.9   72.3 26.9      0        0 129
## 2514 2514 63   1   4   1   164.4   70.6 26.1      1        0 131
## 2515 2515 56   0   3   1   184.5   92.7 27.2      1        0 131
## 2516 2516 63   0   1   1   155.7   72.2 29.8      1        0 139
## 2517 2517 65   1   1   0   169.0   77.9 27.3      1        1 131
## 2518 2518 55   0   1   1   174.6   77.4 25.4      0        0 119
## 2519 2519 52   0   4   0   172.3   84.6 28.5      0        0 126
## 2520 2520 63   0   1   0   163.6   76.0 28.4      0        0 124
## 2521 2521 59   1   1   0   166.1   88.9 32.2      1        0 133
## 2522 2522 58   1   1   0   167.4   77.2 27.6      1        0 139
## 2523 2523 54   1   1   1   170.1   86.7 30.0      1        1 138
## 2524 2524 60   1   3   1   158.2   67.8 27.1      0        0 128
## 2525 2525 53   0   4   0   165.3   79.1 29.0      1        0 136
## 2526 2526 61   0   1   0   163.5   74.9 28.0      0        0 123
## 2527 2527 60   1   1   0   173.8   80.8 26.7      1        0 136
## 2528 2528 60   0   1   1   176.4   77.8 25.0      0        0 119
## 2529 2529 63   1   2   0   176.5   78.2 25.1      1        0 143
## 2530 2530 62   0   1   0   168.6   88.3 31.1      0        0 129
## 2531 2531 59   0   1   0   167.7   76.1 27.1      0        0 126
## 2532 2532 67   0   1   2   170.8   80.3 27.5      1        0 136
## 2533 2533 64   1   1   1   167.7   71.1 25.3      1        0 135
## 2534 2534 56   1   1   0   184.9   75.8 22.2      1        0 131
## 2535 2535 50   1   1   0   165.4   85.2 31.1      0        0 122
## 2536 2536 61   1   1   0   176.4   87.1 28.0      0        0 126
## 2537 2537 59   0   2   0   159.1   68.9 27.2      1        0 135
## 2538 2538 70   0   3   1   180.4   74.1 22.8      0        0 129
## 2539 2539 59   1   3   0   167.1   70.8 25.4      0        0 120
## 2540 2540 57   0   3   2   171.4   80.4 27.4      0        0 126
## 2541 2541 49   0   1   0   171.2   80.8 27.6      0        0 126
## 2542 2542 61   1   4   1   173.3   72.2 24.0      0        0 126
## 2543 2543 60   1   3   1   165.0   80.3 29.5      0        0 125
## 2544 2544 56   1   1   0   172.5   77.3 26.0      0        0 128
## 2545 2545 59   0   1   1   157.8   74.5 29.9      0        0 119
## 2546 2546 52   0   3   1   177.9   71.4 22.6      0        1 126
## 2547 2547 66   0   3   0   166.4   82.6 29.8      0        0 130
## 2548 2548 58   1   4   0   176.5   72.3 23.2      1        0 143
## 2549 2549 60   1   1   0   168.4   85.5 30.2      0        0 121
## 2550 2550 55   1   1   1   171.9   77.6 26.2      0        0 126
## 2551 2551 60   1   1   0   172.1   85.5 28.9      1        0 134
## 2552 2552 59   1   1   2   179.8   81.6 25.2      1        0 131
## 2553 2553 60   1   1   1   181.3   91.0 27.7      0        1 128
## 2554 2554 58   0   1   1   170.4   90.4 31.1      0        0 122
## 2555 2555 61   1   3   0   168.9   70.9 24.9      1        0 133
## 2556 2556 61   1   1   1   172.1   64.6 21.8      0        0 125
## 2557 2557 65   1   1   0   170.3   79.8 27.5      1        1 140
## 2558 2558 65   0   1   1   167.8   92.9 33.0      0        0 129
## 2559 2559 66   0   1   0   155.0   87.6 36.4      1        0 139
## 2560 2560 57   1   1   1   165.8   68.1 24.8      0        0 112
## 2561 2561 52   1   1   0   161.4   81.3 31.2      0        1 115
## 2562 2562 62   1   1   0   167.8   89.6 31.8      0        0 118
## 2563 2563 60   1   3   1   179.6   85.3 26.4      0        0 124
## 2564 2564 57   1   3   1   175.0   89.8 29.3      1        1 139
## 2565 2565 59   1   3   0   168.1   86.8 30.7      0        0 118
## 2566 2566 57   0   3   0   173.8   75.6 25.0      0        1 126
```

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## 2567 2567 61    0    4    1 164.6   79.9 29.5        1        0 138
## 2568 2568 68    0    1    0 173.8   69.2 22.9        0        0 129
## 2569 2569 65    1    2    0 182.3   81.9 24.7        1        0 141
## 2570 2570 62    0    1    0 168.6   77.3 27.2        1        0 131
## 2571 2571 61    1    1    1 173.1   74.4 24.8        0        0 130
## 2572 2572 54    0    3    0 170.5   79.4 27.3        0        1 119
## 2573 2573 57    0    1    0 168.7   78.1 27.5        0        0 126
## 2574 2574 54    1    4    0 162.8   75.1 28.3        1        0 132
## 2575 2575 57    0    1    0 165.0   78.2 28.7        0        0 117
## 2576 2576 62    0    1    0 166.5   84.3 30.4        0        0 126
## 2577 2577 58    0    1    1 169.4   79.4 27.6        1        1 132
## 2578 2578 65    0    1    0 172.2   82.4 27.8        0        0 127
## 2579 2579 61    1    1    1 170.4   88.8 30.6        1        0 144
## 2580 2580 62    1    1    0 166.9   94.7 34.0        1        1 131
## 2581 2581 58    1    3    0 171.2   78.1 26.7        1        0 134
## 2582 2582 61    1    1    2 174.2   93.4 30.8        1        1 138
## 2583 2583 58    1    1    0 167.8   81.3 28.9        1        0 132
## 2584 2584 64    1    1    1 163.6   81.4 30.4        1        0 135
## 2585 2585 59    1    3    0 176.1   77.4 25.0        1        0 133
## 2586 2586 57    1    3    1 173.3   87.0 29.0        1        0 140
## 2587 2587 62    1    1    0 163.1   83.8 31.5        1        0 139
## 2588 2588 55    1    1    0 172.3   90.5 30.5        0        0 122
## 2589 2589 63    0    1    0 169.6   74.1 25.8        1        0 139
## 2590 2590 59    1    1    0 166.6   72.7 26.2        1        0 131
## 2591 2591 60    0    1    1 172.5   93.1 31.3        0        0 126
## 2592 2592 59    1    3    0 167.1   85.1 30.5        0        0 115
## 2593 2593 49    1    1    0 171.8   67.9 23.0        0        1 121
## 2594 2594 54    0    1    0 170.1   62.6 21.6        0        0 115
## 2595 2595 61    0    1    1 166.4   71.7 25.9        1        0 143
## 2596 2596 58    0    3    2 178.7   92.4 28.9        0        0 127
## 2597 2597 67    0    1    1 171.5   83.2 28.3        1        0 138
## 2598 2598 63    1    4    0 157.5   73.8 29.8        0        1 128
## 2599 2599 58    0    1    2 168.1   77.8 27.5        0        0 130
## 2600 2600 66    1    1    1 176.8   93.1 29.8        1        0 136
## 2601 2601 60    0    1    0 167.4   75.8 27.1        1        0 138
## 2602 2602 58    1    1    0 168.7   78.9 27.7        0        0 130
## 2603 2603 58    1    3    1 171.1   86.3 29.5        1        0 144
## 2604 2604 61    1    4    1 176.4   79.5 25.5        1        0 140
## 2605 2605 65    1    1    1 170.8   74.8 25.6        1        0 132
## 2606 2606 63    1    3    0 171.9   69.7 23.6        1        0 144
## 2607 2607 63    1    1    0 169.6   73.0 25.4        0        0 128
## 2608 2608 61    1    1    0 174.4   82.9 27.2        1        0 139
## 2609 2609 58    0    1    0 168.7   76.0 26.7        0        0 129
## 2610 2610 60    1    1    0 168.7   74.6 26.2        0        0 116
## 2611 2611 56    1    3    1 176.7   79.4 25.5        0        0 129
## 2612 2612 65    0    1    0 178.3   86.5 27.2        0        0 126
## 2613 2613 58    0    4    0 167.2   70.8 25.3        0        0 124
## 2614 2614 64    1    1    0 149.2   78.5 35.3        0        0 126
## 2615 2615 54    0    1    0 167.0   74.4 26.7        0        0 121
## 2616 2616 52    1    3    0 165.8   72.7 26.5        0        0 110
## 2617 2617 59    1    1    1 167.8   65.6 23.3        1        1 133
## 2618 2618 54    0    1    1 166.4   82.7 29.8        0        0 121
## 2619 2619 56    1    1    2 175.8   83.9 27.2        1        0 138
## 2620 2620 65    1    1    2 177.9   68.1 21.5        1        0 133
```

```
## 2621 2621   60      0   1      2  163.6   74.4 27.8           0       0 128
## 2622 2622   58      1   3      1  164.2   80.5 29.9           1       1 134
## 2623 2623   57      1   3      1  177.7   80.9 25.6           0       0 122
## 2624 2624   62      0   3      2  164.3   79.0 29.3           1       0 133
## 2625 2625   64      0   3      1  172.8   76.8 25.7           1       0 135
## 2626 2626   60      0   1      1  171.4   76.8 26.1           0       0 127
## 2627 2627   58      0   3      1  159.6   75.2 29.5           1       1 144
## 2628 2628   58      0   1      0  174.4   75.3 24.8           1       0 147
## 2629 2629   55      1   2      1  170.5   85.9 29.5           0       0 130
## 2630 2630   64      0   4      0  178.9   89.2 27.9           1       0 132
## 2631 2631   55      1   1      0  170.7   71.9 24.7           0       0 122
## 2632 2632   58      1   4      1  163.5   73.3 27.4           1       0 139
## 2633 2633   61      0   4      0  166.0   79.5 28.8           1       0 131
## 2634 2634   62      1   1      0  168.0   69.7 24.7           1       0 132
## 2635 2635   56      1   3      0  169.2   84.4 29.5           0       0 122
## 2636 2636   63      1   3      1  174.5   80.8 26.5           1       0 143
## 2637 2637   59      1   4      1  172.5   75.6 25.4           0       0 120
## 2638 2638   62      0   1      0  168.2   71.2 25.2           1       0 145
## 2639 2639   62      0   4      1  176.2   77.8 25.1           1       0 131
## 2640 2640   57      1   1      0  171.2   74.8 25.5           1       0 132
## 2641 2641   65      1   1      0  168.8   89.3 31.3           0       0 129
## 2642 2642   67      0   1      0  163.6   77.2 28.9           1       0 141
## 2643 2643   64      1   3      0  165.5   89.1 32.5           0       0 130
## 2644 2644   61      0   1      0  171.0   82.5 28.2           1       0 144
## 2645 2645   55      1   2      0  173.3   75.7 25.2           0       0 126
## 2646 2646   52      0   1      1  168.2   84.5 29.9           0       0 113
## 2647 2647   68      1   1      1  172.8   88.3 29.5           1       0 137
## 2648 2648   56      0   1      0  180.1   78.5 24.2           1       0 133
## 2649 2649   56      1   1      1  173.5   81.5 27.0           0       0 115
## 2650 2650   77      0   2      1  167.1   80.6 28.8           1       0 142
## 2651 2651   61      1   1      1  156.9   65.6 26.6           0       1 126
## 2652 2652   67      0   1      0  163.8   70.5 26.3           0       0 124
## 2653 2653   61      0   1      1  164.5   82.2 30.4           1       0 131
## 2654 2654   53      1   1      2  167.0   75.7 27.2           0       0 124
## 2655 2655   58      1   1      1  173.9   90.1 29.8           0       0 124
## 2656 2656   64      1   1      0  173.2   79.7 26.6           1       0 133
## 2657 2657   66      0   1      1  163.8   59.1 22.0           1       0 131
## 2658 2658   58      1   1      0  174.3   84.1 27.7           1       0 134
## 2659 2659   70      0   1      0  175.5   97.2 31.6           1       0 136
## 2660 2660   53      1   1      0  166.5   83.0 29.9           0       0 118
## 2661 2661   62      1   4      1  166.2   65.9 23.9           0       0 124
## 2662 2662   56      1   3      2  168.6   88.2 31.0           0       0 122
## 2663 2663   57      1   1      2  182.8   91.2 27.3           0       0 124
## 2664 2664   63      0   1      1  171.4   83.8 28.5           1       0 139
## 2665 2665   63      1   3      0  165.6   80.0 29.2           1       0 135
## 2666 2666   58      1   1      1  167.4   68.3 24.4           0       0 130
## 2667 2667   62      0   3      0  169.5   88.9 30.9           1       0 139
## 2668 2668   54      1   3      1  171.7   79.7 27.0           0       0 126
## 2669 2669   60      0   1      0  163.5   73.0 27.3           1       0 137
## 2670 2670   56      0   1      0  170.9   73.8 25.3           0       0 122
## 2671 2671   63      1   1      0  172.6   83.2 27.9           1       0 135
## 2672 2672   64      0   1      2  164.4   82.1 30.4           0       0 127
## 2673 2673   61      0   4      0  160.8   72.9 28.2           1       0 135
## 2674 2674   60      0   1      0  174.5   82.5 27.1           1       0 142
```

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## 2675 2675 66    1    1    0 177.1  79.7 25.4         1         0 145
## 2676 2676 65    0    1    0 173.2  78.4 26.1         0         0 127
## 2677 2677 63    1    1    0 172.7  96.9 32.5         1         0 135
## 2678 2678 65    1    3    0 172.0  80.2 27.1         1         0 141
## 2679 2679 60    0    1    2 168.9  86.2 30.2         1         0 149
## 2680 2680 63    0    3    0 165.3  88.5 32.4         0         0 129
## 2681 2681 58    1    1    0 175.7  69.2 22.4         0         0 130
## 2682 2682 60    1    2    0 173.3  71.1 23.7         0         0 126
## 2683 2683 61    1    1    0 164.0  87.0 32.4         0         0 127
## 2684 2684 53    0    1    0 154.2  78.3 32.9         0         0 118
## 2685 2685 73    0    1    1 170.3  79.0 27.2         1         0 138
## 2686 2686 59    0    1    0 172.8  79.2 26.5         1         0 133
## 2687 2687 66    0    1    0 164.0  66.3 24.7         1         0 134
## 2688 2688 59    1    3    0 169.5  80.2 27.9         1         0 138
## 2689 2689 63    1    1    0 173.1  81.0 27.0         0         1 127
## 2690 2690 55    0    1    0 165.2  66.8 24.5         0         1 130
## 2691 2691 58    0    3    0 170.5  80.1 27.5         0         0 124
## 2692 2692 58    0    3    1 172.2  87.2 29.4         0         0 123
## 2693 2693 59    0    4    0 155.8  80.8 33.3         0         0 122
## 2694 2694 62    1    1    0 165.3  87.8 32.1         1         1 131
## 2695 2695 57    0    3    0 175.4  82.5 26.8         1         1 133
## 2696 2696 58    0    1    0 170.8  89.7 30.8         0         1 110
## 2697 2697 53    1    3    0 173.6  84.1 27.9         0         0 121
## 2698 2698 59    0    4    0 174.4  90.3 29.7         1         0 136
## 2699 2699 59    0    1    1 176.4  79.7 25.6         1         0 131
## 2700 2700 59    1    1    0 162.9  60.5 22.8         0         0 130
## 2701 2701 59    0    1    1 170.1  80.4 27.8         0         0 126
## 2702 2702 51    0    1    1 164.1  67.9 25.2         0         1 114
## 2703 2703 55    0    2    2 173.5  74.1 24.6         0         0 126
## 2704 2704 63    0    2    0 166.1  78.4 28.4         1         0 136
## 2705 2705 63    1    1    0 169.3  88.2 30.8         1         0 141
## 2706 2706 65    0    1    1 173.3  81.4 27.1         1         0 134
## 2707 2707 63    0    4    0 162.5  93.1 35.2         0         0 128
## 2708 2708 63    0    1    2 168.4  88.3 31.1         0         0 130
## 2709 2709 66    1    1    0 176.6  84.6 27.1         0         0 125
## 2710 2710 61    1    1    1 157.3  79.4 32.1         1         0 132
## 2711 2711 64    0    1    0 166.8  79.0 28.4         0         0 130
## 2712 2712 68    1    1    2 170.3  82.9 28.6         1         1 137
## 2713 2713 61    0    3    0 172.9  86.5 28.9         0         0 121
## 2714 2714 65    1    1    0 169.3  83.8 29.2         1         1 132
## 2715 2715 61    0    1    0 174.4  89.2 29.3         0         0 118
## 2716 2716 59    1    3    0 164.8  84.7 31.2         0         1 124
## 2717 2717 60    0    1    1 168.6  73.4 25.8         0         0 129
## 2718 2718 69    1    3    0 178.8  93.7 29.3         1         1 134
## 2719 2719 61    1    3    0 176.7  87.7 28.1         0         0 128
## 2720 2720 58    1    3    1 173.5  77.5 25.7         0         0 124
## 2721 2721 64    0    1    1 165.1  87.9 32.2         1         0 138
## 2722 2722 58    0    3    2 178.8  95.6 29.9         0         1 127
## 2723 2723 63    1    1    1 172.8  74.9 25.1         1         0 136
## 2724 2724 57    0    3    1 175.6  83.1 27.0         0         0 125
## 2725 2725 61    1    1    0 175.5  95.7 31.1         0         0 129
## 2726 2726 57    0    1    0 170.1  85.2 29.4         0         0 130
## 2727 2727 61    1    1    0 176.7  83.1 26.6         1         0 131
## 2728 2728 66    1    2    1 177.9  86.2 27.2         1         0 140
```

```
## 2729 2729 63   0   1   1  175.1  78.8 25.7        1           0 134
## 2730 2730 71   1   1   0  170.3  75.5 26.0        1           1 147
## 2731 2731 58   0   3   1  160.8  75.5 29.2        1           0 135
## 2732 2732 53   0   1   1  174.5  84.6 27.8        0           0 121
## 2733 2733 62   0   1   0  167.6  80.4 28.6        0           0 128
## 2734 2734 62   0   1   0  162.1  84.1 32.0        1           0 136
## 2735 2735 64   0   4   0  176.7  81.3 26.0        1           0 135
## 2736 2736 69   1   1   0  162.3  71.3 27.1        1           0 140
## 2737 2737 60   1   1   1  176.9  76.0 24.3        1           0 137
## 2738 2738 59   0   1   2  169.6  69.9 24.3        0           0 121
## 2739 2739 63   1   1   0  177.2  84.8 27.0        1           0 135
## 2740 2740 59   1   1   0  171.6  83.1 28.2        0           1 129
## 2741 2741 67   0   1   2  168.9  75.5 26.5        0           0 128
## 2742 2742 58   0   1   0  173.5  80.4 26.7        0           0 114
## 2743 2743 65   1   1   0  181.0  90.4 27.6        1           0 139
## 2744 2744 57   0   1   0  184.2  81.4 24.0        0           0 119
## 2745 2745 61   0   3   1  171.4  81.3 27.7        1           0 134
## 2746 2746 68   0   2   0  174.0  83.3 27.5        1           1 131
## 2747 2747 56   1   3   0  175.9  85.9 27.8        0           0 127
## 2748 2748 59   0   1   1  167.4  75.1 26.8        1           0 137
## 2749 2749 53   0   1   1  170.5  77.4 26.6        0           0 128
## 2750 2750 60   1   4   1  169.7  86.0 29.9        1           0 135
## 2751 2751 63   0   1   1  181.1  84.2 25.7        1           1 139
## 2752 2752 58   1   2   0  170.3  76.2 26.3        0           0 127
## 2753 2753 67   1   1   1  180.3  97.0 29.8        1           0 146
## 2754 2754 58   1   1   0  169.6  68.8 23.9        0           0 125
## 2755 2755 59   1   1   2  184.7  76.1 22.3        1           0 133
## 2756 2756 65   1   1   0  164.1  68.5 25.5        1           0 142
## 2757 2757 62   1   3   1  166.6  78.0 28.1        0           0 119
## 2758 2758 62   0   1   1  182.5  63.9 19.2        1           0 140
## 2759 2759 62   0   3   2  169.0  74.7 26.2        0           1 122
## 2760 2760 53   1   1   1  180.0  87.1 26.9        0           0 118
## 2761 2761 58   1   3   0  169.3  84.5 29.5        0           0 121
## 2762 2762 57   1   3   1  180.4  90.6 27.8        1           0 131
## 2763 2763 60   0   1   0  166.1  67.3 24.4        0           0 119
## 2764 2764 61   0   2   2  161.4  79.6 30.6        0           1 129
## 2765 2765 56   0   1   0  175.3  81.4 26.5        1           1 142
## 2766 2766 58   1   1   1  182.8  83.9 25.1        1           1 141
## 2767 2767 67   0   4   1  169.4  80.3 28.0        1           0 135
## 2768 2768 59   1   4   0  172.7  71.8 24.1        0           0 127
## 2769 2769 53   0   3   1  159.0  80.2 31.7        1           0 132
## 2770 2770 53   1   1   0  172.3  75.0 25.3        1           0 141
## 2771 2771 54   0   3   1  170.1  84.7 29.3        0           0 113
## 2772 2772 54   1   1   0  169.0  78.9 27.6        0           1 124
## 2773 2773 62   0   1   0  170.1  80.2 27.7        1           0 146
## 2774 2774 64   0   1   0  170.4  79.2 27.2        1           1 133
## 2775 2775 53   0   1   0  170.1  84.7 29.3        0           0 127
## 2776 2776 58   0   1   0  168.4  76.6 27.0        0           0 125
## 2777 2777 56   1   1   0  174.8  87.0 28.5        0           0 114
## 2778 2778 65   1   1   1  173.1  73.6 24.6        1           0 136
## 2779 2779 58   1   3   0  173.7  66.9 22.2        0           0 127
## 2780 2780 57   1   3   1  164.0  90.2 33.5        0           0 122
## 2781 2781 73   0   1   0  175.7  68.2 22.1        0           0 129
## 2782 2782 63   1   1   0  175.9  83.7 27.0        1           1 139
```

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## 2783 2783 59   1   1   0   165.3   74.4 27.2       1       0 133
## 2784 2784 55   0   1   0   169.2   84.7 29.6       0       0 125
## 2785 2785 55   1   1   0   172.2   75.9 25.6       1       1 138
## 2786 2786 66   1   4   0   170.1   89.3 30.9       0       0 127
## 2787 2787 62   1   1   1   172.9   84.9 28.4       1       0 138
## 2788 2788 65   0   4   0   181.8   79.1 23.9       1       0 138
## 2789 2789 53   0   1   1   166.2   75.2 27.2       1       1 131
## 2790 2790 57   0   1   1   166.9   81.5 29.3       0       0 125
## 2791 2791 61   1   1   1   161.6   77.3 29.6       1       0 139
## 2792 2792 60   0   3   1   174.7   81.0 26.5       1       0 141
## 2793 2793 67   1   1   1   169.1   76.5 26.7       0       0 122
## 2794 2794 59   0   1   0   169.5   80.0 27.9       0       0 127
## 2795 2795 62   1   1   0   159.5   82.6 32.5       0       0 128
## 2796 2796 62   0   1   1   164.4   73.6 27.2       1       0 132
## 2797 2797 58   1   1   0   172.8   82.6 27.7       1       0 138
## 2798 2798 60   1   1   0   166.9   80.5 28.9       0       0 115
## 2799 2799 51   0   4   1   161.5   75.2 28.8       0       0 120
## 2800 2800 60   0   1   2   165.5   78.0 28.5       1       0 137
## 2801 2801 61   1   1   0   174.8   85.2 27.9       1       0 135
## 2802 2802 57   0   1   0   167.1   84.1 30.1       0       1 130
## 2803 2803 62   1   1   0   172.5   73.3 24.7       0       1 105
## 2804 2804 70   1   3   0   163.8   81.6 30.4       1       0 147
## 2805 2805 66   0   1   0   178.8   87.9 27.5       0       0 125
## 2806 2806 61   0   1   0   176.8   68.7 22.0       1       0 133
## 2807 2807 63   0   1   1   168.1   94.2 33.4       0       0 124
## 2808 2808 67   0   1   0   163.5   73.0 27.3       1       0 135
## 2809 2809 60   1   1   0   173.9   84.4 27.9       0       0 128
## 2810 2810 67   1   2   0   176.4   79.9 25.7       1       0 147
## 2811 2811 57   0   4   0   173.9   78.2 25.9       1       0 137
## 2812 2812 64   1   4   0   177.5   82.6 26.2       1       0 133
## 2813 2813 55   1   1   0   166.6   72.8 26.2       0       0 128
## 2814 2814 60   0   2   1   169.0   93.5 32.7       1       0 135
## 2815 2815 60   0   1   0   168.4   82.1 29.0       0       0 129
## 2816 2816 53   0   1   0   178.4   90.3 28.4       0       0 128
## 2817 2817 64   0   2   1   156.7   88.9 36.2       0       0 128
## 2818 2818 55   1   1   0   166.8   70.6 25.4       0       0 128
## 2819 2819 57   0   1   0   176.8   80.5 25.7       1       0 132
## 2820 2820 60   0   1   1   167.7   83.8 29.8       1       0 132
## 2821 2821 58   0   1   0   177.2   69.1 22.0       1       1 131
## 2822 2822 66   1   3   0   165.1   69.3 25.4       1       0 137
## 2823 2823 60   1   4   0   166.5   72.6 26.2       1       0 136
## 2824 2824 50   1   1   0   172.8   94.2 31.6       0       0 127
## 2825 2825 63   0   4   0   165.8   82.0 29.8       0       0 130
## 2826 2826 54   1   1   0   163.1   84.2 31.7       0       0 127
## 2827 2827 60   1   1   0   176.0   89.1 28.7       1       0 138
## 2828 2828 58   0   3   1   170.4   84.7 29.2       0       0 129
## 2829 2829 59   0   3   0   170.0   81.2 28.1       0       1 125
## 2830 2830 61   1   1   0   168.9   81.8 28.7       0       0 126
## 2831 2831 56   1   3   0   169.6   81.4 28.3       0       0 129
## 2832 2832 48   0   2   0   166.8   82.3 29.6       0       1 123
## 2833 2833 56   0   1   0   164.4   80.9 29.9       0       0 126
## 2834 2834 61   1   1   1   175.4   73.4 23.9       0       0 125
## 2835 2835 56   1   3   1   174.8   82.7 27.1       0       0 128
## 2836 2836 50   0   1   0   160.7   79.2 30.6       1       0 133
```

## 2837	2837	60	1	1	1	168.1	84.2 29.8	0	0	123
## 2838	2838	65	1	3	1	171.1	81.0 27.7	1	0	134
## 2839	2839	64	1	1	2	158.9	81.1 32.1	0	0	127
## 2840	2840	59	1	1	2	169.9	78.7 27.3	0	0	129
## 2841	2841	67	0	1	0	175.9	85.0 27.5	1	0	133
## 2842	2842	56	0	4	0	175.5	89.3 29.0	0	0	123
## 2843	2843	67	1	1	0	169.9	77.4 26.8	1	0	142
## 2844	2844	57	1	2	0	174.6	87.5 28.7	1	0	146
## 2845	2845	58	0	1	1	158.2	70.6 28.2	0	0	127
## 2846	2846	62	1	1	2	170.0	68.3 23.6	0	0	124
## 2847	2847	53	0	1	0	165.6	86.2 31.5	0	0	126
## 2848	2848	53	0	3	0	166.0	77.8 28.3	0	0	124
## 2849	2849	65	0	1	0	164.6	65.7 24.2	1	0	140
## 2850	2850	54	1	1	0	167.8	73.2 26.0	1	1	132
## 2851	2851	68	1	3	2	175.3	87.7 28.6	0	0	130
## 2852	2852	64	0	1	0	172.8	68.6 23.0	0	0	123
## 2853	2853	58	0	3	0	169.6	80.4 28.0	1	0	136
## 2854	2854	67	0	3	0	174.7	83.7 27.4	1	1	138
## 2855	2855	60	1	3	0	169.8	89.2 30.9	0	0	124
## 2856	2856	56	1	1	2	163.5	87.7 32.8	0	0	130
## 2857	2857	53	0	4	2	176.7	78.2 25.1	0	1	128
## 2858	2858	63	0	1	0	171.8	84.6 28.6	1	0	136
## 2859	2859	63	0	4	2	172.9	81.7 27.3	1	0	141
## 2860	2860	69	0	1	2	165.0	73.1 26.8	0	0	128
## 2861	2861	66	0	1	2	174.5	76.6 25.2	1	0	140
## 2862	2862	63	1	1	1	175.2	88.3 28.8	1	0	138
## 2863	2863	62	0	3	1	181.7	87.2 26.4	1	0	152
## 2864	2864	64	0	1	0	173.1	67.2 22.4	1	0	145
## 2865	2865	51	1	3	2	168.2	82.8 29.3	0	0	125
## 2866	2866	52	1	2	0	177.8	80.6 25.5	0	0	115
## 2867	2867	61	0	1	0	170.2	66.0 22.8	1	0	132
## 2868	2868	61	1	1	0	179.5	80.6 25.0	0	0	129
## 2869	2869	63	1	1	2	177.4	77.8 24.7	0	0	122
## 2870	2870	64	0	1	0	171.0	73.8 25.3	1	0	135
## 2871	2871	56	0	1	0	176.6	80.6 25.9	0	1	130
## 2872	2872	54	1	1	0	166.2	78.7 28.5	0	0	118
## 2873	2873	64	0	3	2	183.6	83.3 24.7	1	0	142
## 2874	2874	56	1	4	0	170.3	79.5 27.4	0	0	124
## 2875	2875	49	0	3	0	163.7	68.3 25.5	0	0	122
## 2876	2876	57	1	1	0	172.2	74.8 25.2	0	0	128
## 2877	2877	64	1	1	0	178.1	81.5 25.7	1	0	134
## 2878	2878	52	1	1	1	165.1	88.3 32.4	1	0	135
## 2879	2879	57	1	1	0	163.9	75.6 28.1	0	0	110
## 2880	2880	67	0	1	1	165.4	66.6 24.4	1	1	141
## 2881	2881	59	1	1	0	163.7	89.3 33.3	0	0	130
## 2882	2882	66	1	1	1	169.9	86.3 29.9	1	1	139
## 2883	2883	63	1	1	1	176.6	81.6 26.2	1	0	141
## 2884	2884	56	0	1	0	172.4	78.6 26.5	0	0	127
## 2885	2885	57	0	1	0	169.7	87.3 30.3	0	1	116
## 2886	2886	74	0	3	2	165.4	78.1 28.6	1	0	141
## 2887	2887	63	0	4	0	163.2	84.4 31.7	1	1	131
## 2888	2888	60	0	3	0	156.3	69.8 28.6	0	1	116
## 2889	2889	63	0	1	0	170.4	83.2 28.7	1	0	133
## 2890	2890	62	1	1	0	180.6	74.2 22.7	0	0	126

```
## 2891 2891   57   1   1   1   170.8   73.2 25.1           0       0 126
## 2892 2892   61   1   2   0   157.4   81.6 32.9           1       0 132
## 2893 2893   57   1   1   0   177.0   78.2 24.9           0       1 130
## 2894 2894   54   0   1   0   170.8   81.8 28.0           0       0 125
## 2895 2895   64   0   1   1   178.3   83.9 26.4           0       0 127
## 2896 2896   63   0   1   2   174.8   84.1 27.5           1       0 136
## 2897 2897   62   1   1   2   160.3   63.8 24.8           1       0 139
## 2898 2898   59   0   3   1   163.2   71.8 26.9           0       0 126
## 2899 2899   66   0   4   0   169.3   69.3 24.2           1       0 139
## 2900 2900   62   1   2   0   171.2   79.7 27.2           1       0 137
## 2901 2901   60   1   3   1   167.4   72.6 25.9           1       0 145
## 2902 2902   63   0   1   0   166.7   77.8 28.0           1       0 137
## 2903 2903   54   1   1   0   172.5   63.3 21.3           0       0 118
## 2904 2904   64   1   4   2   172.7   82.1 27.5           1       0 131
## 2905 2905   59   1   1   0   170.7   74.2 25.5           0       0 129
## 2906 2906   56   1   1   1   173.0   84.7 28.3           1       0 132
## 2907 2907   56   0   1   0   174.4   92.4 30.4           0       0 129
## 2908 2908   54   1   3   0   172.6   88.2 29.6           0       0 125
## 2909 2909   55   1   1   2   159.6   79.8 31.3           0       0 125
## 2910 2910   55   1   1   0   170.2   77.9 26.9           0       0 115
## 2911 2911   59   0   1   1   168.4   59.1 20.9           0       0 128
## 2912 2912   60   0   1   1   168.8   80.2 28.1           1       1 131
## 2913 2913   55   1   3   0   161.9   66.2 25.3           0       0 128
## 2914 2914   66   1   1   1   170.3   67.9 23.4           1       0 141
## 2915 2915   63   0   1   0   176.4   82.5 26.5           0       0 130
## 2916 2916   58   0   1   1   164.3   85.1 31.5           0       0 128
## 2917 2917   59   0   1   0   174.7   74.4 24.4           0       0 123
## 2918 2918   64   1   3   0   173.4   84.6 28.2           0       0 127
## 2919 2919   59   0   3   2   173.4   80.9 26.9           0       0 115
## 2920 2920   55   1   3   0   172.2   91.5 30.9           0       1 124
## 2921 2921   63   0   1   2   169.1   77.4 27.0           0       0 129
## 2922 2922   57   0   1   1   173.7   91.0 30.2           0       0 120
## 2923 2923   59   1   1   0   158.5   72.8 29.0           0       0 126
## 2924 2924   60   0   3   2   168.2   79.4 28.0           0       0 116
## 2925 2925   58   0   3   1   169.3   67.3 23.5           0       0 117
## 2926 2926   59   1   2   0   166.2   71.9 26.0           1       0 133
## 2927 2927   62   0   1   0   167.3   83.7 29.9           1       0 131
## 2928 2928   61   0   1   0   166.8   68.3 24.6           0       0 118
## 2929 2929   54   0   1   0   164.9   75.7 27.8           0       0 108
## 2930 2930   54   1   1   0   169.0   86.0 30.1           0       0 127
## 2931 2931   61   0   1   1   169.4   90.6 31.6           0       0 114
## 2932 2932   70   0   2   0   162.9   86.4 32.5           1       0 133
## 2933 2933   57   1   1   2   170.8   92.4 31.7           1       0 136
## 2934 2934   57   1   4   0   171.6   83.6 28.4           0       1 129
## 2935 2935   64   0   1   1   173.5   84.2 28.0           1       1 135
## 2936 2936   62   0   1   1   167.1   79.0 28.3           1       0 133
## 2937 2937   62   1   3   0   165.7   68.4 24.9           0       0 128
## 2938 2938   61   1   1   0   160.5   73.7 28.6           0       0 129
## 2939 2939   57   1   3   2   178.6   87.8 27.5           0       0 126
## 2940 2940   56   1   1   0   169.9   95.6 33.1           0       0 124
## 2941 2941   61   0   3   1   178.9   68.6 21.4           1       0 134
## 2942 2942   63   0   1   0   166.6   82.1 29.6           1       0 133
## 2943 2943   62   0   1   1   177.2   87.0 27.7           0       0 118
## 2944 2944   62   1   4   1   171.2   86.5 29.5           0       1 129
```

```
## 2945 2945 66   0   3   0  170.7   61.9 21.2        1        1 140
## 2946 2946 58   0   4   1  167.4   81.7 29.2        0        1 122
## 2947 2947 60   0   3   0  165.3   84.7 31.0        0        0 127
## 2948 2948 59   1   1   0  175.8   71.2 23.0        0        0 124
## 2949 2949 65   0   1   1  175.4   70.2 22.8        0        0 127
## 2950 2950 56   0   1   0  169.0   81.1 28.4        0        0 120
## 2951 2951 54   1   1   1  164.6   78.1 28.8        0        0 130
## 2952 2952 53   1   3   0  160.9   74.2 28.7        1        0 134
## 2953 2953 60   0   1   2  178.5   92.6 29.1        0        0 127
## 2954 2954 59   1   1   2  170.9   76.7 26.3        1        0 135
## 2955 2955 65   1   4   1  186.2   84.4 24.4        0        0 130
## 2956 2956 68   0   1   0  165.5   83.1 30.3        0        0 125
## 2957 2957 47   0   1   0  176.9   79.2 25.3        0        0 124
## 2958 2958 61   0   1   0  171.4   91.8 31.2        1        0 138
## 2959 2959 65   0   1   1  165.7   78.6 28.6        1        0 137
## 2960 2960 65   1   1   1  171.1   80.5 27.5        0        0 127
## 2961 2961 67   0   2   0  170.1   75.8 26.2        0        1 123
## 2962 2962 64   1   1   2  175.8   72.3 23.4        0        0 123
## 2963 2963 67   1   1   1  168.7   80.4 28.2        1        1 137
## 2964 2964 75   0   1   1  170.9   74.3 25.4        1        0 144
## 2965 2965 62   0   1   0  164.2   82.1 30.4        0        0 130
## 2966 2966 60   1   1   2  159.8   82.5 32.3        1        0 133
## 2967 2967 63   1   1   0  164.5   87.6 32.3        1        0 133
## 2968 2968 59   0   1   0  158.3   83.9 33.5        0        0 130
## 2969 2969 61   1   1   0  177.2   79.5 25.3        0        0 128
## 2970 2970 57   0   1   0  168.5   76.2 26.8        0        0 130
## 2971 2971 60   0   1   1  170.8   77.5 26.5        1        0 133
## 2972 2972 63   1   1   1  167.0   70.9 25.4        1        0 133
## 2973 2973 66   1   3   1  163.1   76.4 28.7        1        0 136
## 2974 2974 51   1   1   0  159.6   66.9 26.3        0        0 125
## 2975 2975 66   1   1   0  164.0   93.5 34.8        1        0 134
## 2976 2976 60   0   3   0  163.4   81.1 30.4        0        0 122
## 2977 2977 64   0   1   0  167.6   88.5 31.5        1        0 135
## 2978 2978 64   0   1   2  171.7   74.5 25.3        0        0 127
## 2979 2979 58   0   1   0  170.8   86.4 29.6        1        0 131
## 2980 2980 66   1   1   0  171.6   86.2 29.3        0        0 129
## 2981 2981 58   1   1   0  168.5   90.3 31.8        0        0 122
## 2982 2982 62   1   1   0  158.9   98.3 38.9        1        0 133
## 2983 2983 62   1   1   1  180.8   84.7 25.9        0        0 126
## 2984 2984 61   1   1   1  173.4   84.0 27.9        1        0 154
## 2985 2985 61   1   1   2  180.0   75.0 23.2        1        0 132
## 2986 2986 60   1   1   0  164.8   70.9 26.1        0        0 128
## 2987 2987 62   1   1   1  168.9   77.9 27.3        1        0 142
## 2988 2988 60   1   3   0  174.0   75.0 24.8        1        0 135
## 2989 2989 63   1   1   0  174.8   83.6 27.4        1        0 137
## 2990 2990 62   1   1   1  168.5   66.7 23.5        1        0 144
## 2991 2991 60   0   3   0  174.0   76.3 25.2        1        0 142
## 2992 2992 65   1   3   0  163.9   87.8 32.7        1        0 147
## 2993 2993 58   1   1   0  170.6   72.0 24.7        0        0 121
## 2994 2994 58   0   1   0  178.0   86.8 27.4        1        0 132
## 2995 2995 60   0   1   0  172.9   95.5 31.9        0        0 124
## 2996 2996 57   1   1   0  170.2   83.7 28.9        0        0 124
## 2997 2997 60   1   4   1  177.1   83.4 26.6        0        0 128
## 2998 2998 55   1   1   0  171.9   96.2 32.6        0        0 126
```

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## 2999 2999  63    1    3       0   180.4   82.1 25.2           0           0 125
## 3000 3000  56    0    4       0   175.7   71.3 23.1           1           1 134
## 3001 3001  58    0    1       1   163.9   77.6 28.9           0           0 114
## 3002 3002  55    1    4       2   176.8   81.3 26.0           0           1 120
## 3003 3003  61    1    1       2   177.8   80.8 25.6           0           0 126
## 3004 3004  58    0    3       0   163.5   83.7 31.3           0           0 129
## 3005 3005  64    1    1       2   171.4   85.1 29.0           1           0 134
## 3006 3006  60    0    3       0   182.2   91.2 27.5           1           0 139
## 3007 3007  64    0    1       1   165.8   81.0 29.4           1           0 142
## 3008 3008  70    1    1       0   162.5   83.1 31.5           0           0 128
## 3009 3009  57    0    1       0   166.3   86.5 31.3           1           0 133
## 3010 3010  66    0    1       1   172.9   84.0 28.1           1           0 138
## 3011 3011  54    0    1       1   163.9   86.9 32.3           0           1 125
## 3012 3012  66    0    3       2   174.2   81.5 26.9           1           0 134
## 3013 3013  54    1    3       0   157.7   82.2 33.1           0           0 124
## 3014 3014  54    1    3       0   169.4   80.8 28.1           0           0 116
## 3015 3015  52    1    2       0   174.9   87.3 28.5           1           0 133
## 3016 3016  57    1    1       1   166.3   78.5 28.4           0           1 128
## 3017 3017  56    0    3       0   163.1   75.3 28.3           1           0 132
## 3018 3018  63    1    4       0   173.5   71.9 23.9           1           0 139
## 3019 3019  59    1    1       0   165.8   93.7 34.1           1           0 140
## 3020 3020  66    1    2       1   158.1   75.9 30.4           1           0 133
## 3021 3021  66    0    2       0   167.3   93.2 33.3           1           0 132
## 3022 3022  61    1    1       2   164.4   76.6 28.4           1           0 134
## 3023 3023  61    0    3       1   174.9   79.0 25.8           1           1 136
## 3024 3024  57    1    1       2   173.0   84.5 28.2           0           0 123
## 3025 3025  60    0    1       0   161.2   81.9 31.5           0           0 121
## 3026 3026  58    1    3       0   173.3   66.0 22.0           0           0 124
## 3027 3027  63    1    1       0   163.5   79.0 29.6           0           0 129
## 3028 3028  69    0    4       2   175.7   73.0 23.7           0           0 128
## 3029 3029  64    0    1       1   168.8   81.9 28.7           1           0 131
## 3030 3030  58    0    4       0   164.7   74.1 27.3           0           0 124
## 3031 3031  59    0    3       0   177.0   76.2 24.3           0           0 125
## 3032 3032  58    1    1       0   172.6   82.5 27.7           1           0 133
## 3033 3033  62    0    4       0   176.0   83.9 27.1           0           0 122
## 3034 3034  57    1    1       0   164.7   89.6 33.0           0           0 117
## 3035 3035  62    0    1       0   177.5   75.4 23.9           0           0 125
## 3036 3036  53    0    1       0   179.0   69.2 21.6           0           0 123
## 3037 3037  62    1    1       1   179.9   67.0 20.7           1           0 147
## 3038 3038  59    1    1       0   178.4   74.2 23.3           0           0 123
## 3039 3039  59    1    1       1   169.7   79.6 27.7           1           0 131
## 3040 3040  60    1    1       1   178.6   73.7 23.1           0           1 122
## 3041 3041  63    1    1       2   171.5   78.2 26.6           1           0 136
## 3042 3042  59    0    1       0   170.8   77.8 26.7           0           0 124
## 3043 3043  51    1    1       0   163.2   79.5 29.8           0           1 120
## 3044 3044  65    0    1       0   169.7   91.2 31.7           1           0 142
## 3045 3045  51    0    1       0   164.5   68.8 25.4           0           0 124
## 3046 3046  57    0    1       2   187.2   92.6 26.4           0           1 117
## 3047 3047  65    0    1       0   163.1   66.6 25.1           1           0 134
## 3048 3048  64    1    2       0   184.3   86.3 25.4           0           0 127
## 3049 3049  68    1    1       0   165.1   85.3 31.3           1           0 141
## 3050 3050  64    1    1       2   157.6   70.4 28.3           1           0 134
## 3051 3051  62    1    1       0   165.8   83.2 30.3           1           0 135
## 3052 3052  58    0    1       0   173.3   80.9 27.0           1           0 145
```

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## 3053 3053  67     0    3         1  175.1   89.6 29.2              1           0 142
## 3054 3054  71     0    1         1  165.7   89.6 32.6              1           0 137
## 3055 3055  51     0    1         0  172.0   84.4 28.5              1           0 136
## 3056 3056  68     0    1         0  175.3   75.1 24.4              1           0 136
## 3057 3057  62     1    1         0  184.7   81.6 23.9              0           0 128
## 3058 3058  54     0    4         1  167.4   76.9 27.5              0           0 122
## 3059 3059  54     1    1         0  177.9   76.5 24.2              1           0 134
## 3060 3060  50     0    1         0  178.1   85.5 26.9              0           0 127
## 3061 3061  55     1    1         0  176.4   85.1 27.3              0           1 123
## 3062 3062  64     0    1         2  158.1   76.9 30.8              1           1 139
## 3063 3063  52     1    1         2  165.9   69.6 25.3              0           1 122
## 3064 3064  52     1    1         1  177.1   67.8 21.6              0           0 127
## 3065 3065  60     1    2         0  165.5   87.0 31.8              0           0 118
## 3066 3066  54     0    3         0  173.1   92.3 30.8              0           0 124
## 3067 3067  63     0    4         1  175.3   88.5 28.8              1           0 132
## 3068 3068  47     1    1         2  165.5   82.2 30.0              0           0 116
## 3069 3069  59     1    1         0  172.8   76.9 25.8              1           0 141
## 3070 3070  59     0    1         1  162.4   78.1 29.6              0           1 126
## 3071 3071  62     1    3         0  160.0   82.9 32.4              0           0 128
## 3072 3072  59     1    3         0  176.3   79.9 25.7              1           0 136
## 3073 3073  59     1    1         0  165.3   88.7 32.5              0           0 120
## 3074 3074  56     0    2         0  162.5   80.6 30.5              0           0 122
## 3075 3075  58     1    3         0  173.4   85.6 28.5              0           0 123
## 3076 3076  53     0    1         2  167.0   85.3 30.6              0           0 127
## 3077 3077  59     1    4         1  173.9   74.7 24.7              1           0 137
## 3078 3078  62     0    1         0  171.6   84.0 28.5              1           0 140
## 3079 3079  60     0    1         0  167.4   80.7 28.8              1           0 131
## 3080 3080  60     1    1         2  162.1   76.7 29.2              1           0 139
## 3081 3081  58     0    2         0  180.5   63.9 19.6              0           0 129
## 3082 3082  56     0    1         1  166.3   76.4 27.6              0           1 127
## 3083 3083  53     1    1         1  161.2   76.5 29.4              0           0 128
## 3084 3084  56     1    3         0  180.0   83.5 25.8              0           0 122
## 3085 3085  55     0    3         0  166.2   60.6 21.9              0           1 127
## 3086 3086  60     0    1         1  174.0   60.8 20.1              0           0 123
## 3087 3087  58     0    1         0  161.8   83.8 32.0              0           0 126
## 3088 3088  62     0    1         0  174.7   77.5 25.4              1           0 138
## 3089 3089  59     0    1         0  186.2   84.3 24.3              1           0 134
## 3090 3090  60     0    3         0  165.4   88.7 32.4              0           0 120
## 3091 3091  51     1    3         0  178.7   73.6 23.1              0           1 119
## 3092 3092  67     1    1         0  172.9   73.1 24.5              1           1 133
## 3093 3093  63     0    1         0  174.9   88.5 28.9              0           0 121
## 3094 3094  58     0    1         0  178.3   84.1 26.5              1           0 143
## 3095 3095  64     0    1         1  160.7   78.6 30.5              1           0 141
## 3096 3096  63     1    1         1  164.3   81.5 30.2              1           0 137
## 3097 3097  56     1    1         1  165.7   92.0 33.5              0           0 119
## 3098 3098  60     1    4         0  161.2   80.4 30.9              0           0 129
## 3099 3099  65     1    1         0  171.8   77.9 26.4              1           0 140
## 3100 3100  58     0    1         1  173.0   78.7 26.3              0           1 128
## 3101 3101  59     0    1         0  168.8   82.8 29.1              0           0 129
## 3102 3102  50     0    1         0  174.5   78.6 25.8              0           0 122
## 3103 3103  54     0    3         1  167.4   79.5 28.4              0           0 110
## 3104 3104  59     0    1         0  166.5   80.5 29.0              0           0 117
## 3105 3105  63     0    4         0  158.3   62.9 25.1              1           0 142
## 3106 3106  64     0    3         0  171.6   79.2 26.9              1           0 135
```

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## 3107 3107  62     1    3       0  169.6   70.3 24.4         0          0 127
## 3108 3108  59     0    1       1  162.7   89.3 33.7         0          0 119
## 3109 3109  61     0    2       1  166.5   80.0 28.9         0          0 122
## 3110 3110  65     1    1       0  165.8   72.5 26.4         1          0 137
## 3111 3111  66     1    1       1  168.2   74.6 26.4         1          0 138
## 3112 3112  62     1    1       0  176.4   92.0 29.6         0          0 130
## 3113 3113  58     1    1       0  168.9   84.0 29.5         0          1 112
## 3114 3114  64     0    3       2  162.9   74.1 27.9         1          0 139
## 3115 3115  60     1    1       0  169.1   78.7 27.5         0          0 129
## 3116 3116  58     1    4       0  165.4   72.9 26.6         1          0 132
## 3117 3117  64     1    4       0  159.3   76.4 30.1         0          0 126
## 3118 3118  68     0    1       0  178.0   75.8 23.9         1          0 141
## 3119 3119  64     1    1       0  171.3   76.4 26.0         0          0 124
## 3120 3120  60     1    1       0  172.4   84.8 28.6         1          0 135
## 3121 3121  61     0    1       0  173.8   81.8 27.1         1          1 137
## 3122 3122  61     0    1       0  170.4   74.4 25.6         0          0 127
## 3123 3123  56     1    3       0  171.3   63.7 21.7         0          0 117
## 3124 3124  52     1    1       0  172.6   69.7 23.4         0          0 115
## 3125 3125  65     1    3       0  167.7   78.7 28.0         1          0 132
## 3126 3126  63     0    3       1  174.9   74.1 24.2         1          0 134
## 3127 3127  55     1    1       0  167.8   88.4 31.4         0          0 122
## 3128 3128  54     1    3       1  174.3   65.0 21.4         1          0 135
## 3129 3129  66     1    1       1  159.0   70.6 27.9         0          0 122
## 3130 3130  57     0    4       0  183.1   91.1 27.2         0          0 125
## 3131 3131  56     1    1       0  173.5   79.2 26.3         1          0 135
## 3132 3132  58     1    1       0  173.2   77.4 25.8         1          0 142
## 3133 3133  53     0    3       0  157.2   80.4 32.6         1          0 133
## 3134 3134  59     0    3       0  168.7   94.4 33.2         1          0 134
## 3135 3135  66     1    3       0  161.7   78.1 29.9         1          0 133
## 3136 3136  56     0    1       0  175.6   73.8 23.9         0          0 122
## 3137 3137  58     0    1       1  175.4   93.2 30.3         1          0 132
## 3138 3138  50     0    3       0  170.8   80.1 27.5         0          0 128
## 3139 3139  59     0    4       2  166.7   77.1 27.7         0          0 124
## 3140 3140  64     1    1       0  170.9   91.9 31.5         0          0 129
## 3141 3141  54     0    1       1  163.2   92.5 34.7         1          0 133
## 3142 3142  62     0    4       0  174.2   70.1 23.1         0          0 127
## 3143 3143  57     1    1       0  169.9   70.1 24.3         0          0 120
## 3144 3144  56     1    1       0  174.1   93.4 30.8         0          0 127
## 3145 3145  60     0    3       0  174.9   84.0 27.5         1          0 141
## 3146 3146  57     0    1       1  166.3   83.1 30.0         0          0 130
## 3147 3147  58     0    3       0  173.2   83.3 27.8         1          0 147
## 3148 3148  62     0    3       0  161.1   78.9 30.4         0          0 121
## 3149 3149  60     0    1       0  168.0   77.0 27.3         0          0 116
## 3150 3150  56     1    3       0  161.4   65.1 25.0         0          0 121
## 3151 3151  63     0    1       0  172.1   83.8 28.3         0          0 123
## 3152 3152  61     1    1       1  179.1   83.9 26.1         1          0 134
## 3153 3153  61     0    1       1  176.9   79.9 25.5         1          0 132
## 3154 3154  63     1    2       0  169.9   74.3 25.8         0          1 129
## 3155 3155  59     1    1       0  166.7   72.2 26.0         1          1 131
## 3156 3156  65     0    1       1  161.3   70.4 27.0         1          0 139
## 3157 3157  56     0    1       2  173.3   79.4 26.4         0          0 120
## 3158 3158  57     0    1       2  171.5   81.3 27.6         1          0 138
## 3159 3159  62     1    3       0  168.3   78.6 27.7         1          0 137
## 3160 3160  62     0    1       0  175.2   75.6 24.6         1          0 137
```

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## 3161 3161   56        0        2        1   165.2   87.9 32.2              1       1 131
## 3162 3162   63        0        1        0   165.3   57.2 20.9              0       0 128
## 3163 3163   65        0        1        0   165.8   72.7 26.4              0       0 128
## 3164 3164   64        1        1        0   163.9   72.9 27.1              0       0 120
## 3165 3165   69        1        3        0   170.8   81.5 27.9              1       0 136
## 3166 3166   63        1        1        1   163.3   73.0 27.4              1       0 146
## 3167 3167   59        1        4        0   173.0   82.7 27.7              0       1 128
## 3168 3168   59        1        1        1   171.5   80.6 27.4              0       0 123
## 3169 3169   63        1        4        0   175.4   84.1 27.3              1       0 131
## 3170 3170   58        0        4        0   162.4   75.6 28.7              1       0 140
## 3171 3171   61        0        1        0   180.0   80.2 24.7              1       1 133
## 3172 3172   60        0        1        1   173.9   77.3 25.6              1       0 142
## 3173 3173   56        0        1        2   166.6   81.6 29.4              1       0 132
## 3174 3174   51        0        3        1   180.3   88.4 27.2              0       0 114
## 3175 3175   59        1        3        1   167.9   69.7 24.7              1       0 134
## 3176 3176   64        1        1        0   175.9   96.6 31.2              1       0 139
## 3177 3177   57        0        1        1   166.2   74.0 26.8              0       0 128
## 3178 3178   56        0        1        0   171.2   69.9 23.8              0       0 117
## 3179 3179   73        1        3        0   165.0   85.0 31.2              0       0 130
## 3180 3180   66        1        3        0   174.5   87.8 28.8              0       0 123
## 3181 3181   61        1        1        0   167.5   77.7 27.7              1       0 134
## 3182 3182   58        0        3        0   166.8   72.2 25.9              0       1 130
## 3183 3183   63        0        1        0   169.4   79.3 27.6              1       0 145
## 3184 3184   57        1        1        0   174.0   90.9 30.0              1       0 133
## 3185 3185   60        0        1        1   166.2   73.1 26.5              0       0 129
## 3186 3186   59        1        3        1   167.3   77.4 27.7              1       0 133
## 3187 3187   63        0        1        0   175.5   79.7 25.9              1       1 139
## 3188 3188   66        0        1        1   173.8   62.1 20.5              1       1 134
## 3189 3189   56        0        3        1   167.3   76.5 27.3              0       0 116
## 3190 3190   60        1        3        2   169.9   84.5 29.3              1       1 133
## 3191 3191   60        1        3        0   169.2   85.0 29.7              1       0 135
## 3192 3192   67        0        3        1   172.1   74.4 25.1              0       0 123
## 3193 3193   70        1        1        2   170.7   77.9 26.7              1       0 145
## 3194 3194   66        0        1        2   176.0   80.3 25.9              0       0 125
## 3195 3195   59        0        1        0   168.2   80.2 28.4              0       0 121
## 3196 3196   55        1        1        1   166.0   73.3 26.6              0       0 127
## 3197 3197   53        1        1        1   160.3   57.1 22.2              0       0 127
## 3198 3198   53        1        4        1   181.6   76.3 23.1              0       1 130
## 3199 3199   61        1        2        1   162.6   78.7 29.8              1       0 136
## 3200 3200   60        1        4        1   163.6   82.8 30.9              1       0 132
## 3201 3201   64        1        1        2   167.8   82.1 29.2              1       0 139
## 3202 3202   54        0        1        0   173.3   80.5 26.8              0       0 128
## 3203 3203   61        0        1        0   173.8   82.3 27.2              1       0 139
## 3204 3204   68        1        1        0   163.2   81.3 30.6              1       1 157
## 3205 3205   57        1        1        0   174.9   96.1 31.4              1       0 131
## 3206 3206   64        0        1        1   159.3   79.9 31.5              0       0 128
## 3207 3207   56        1        1        0   172.2   75.9 25.6              0       0 116
## 3208 3208   59        1        1        1   165.1   79.8 29.3              0       0 121
## 3209 3209   61        0        1        1   174.9   81.2 26.5              0       0 122
## 3210 3210   55        0        1        0   163.9   75.7 28.2              0       0 127
## 3211 3211   64        1        4        0   176.7   97.2 31.1              1       0 131
## 3212 3212   57        0        1        0   171.0   85.2 29.1              1       0 138
## 3213 3213   60        1        3        0   172.4   87.1 29.3              1       0 132
## 3214 3214   55        0        1        0   170.1   83.3 28.8              1       0 133
```

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## 3215 3215  56    0    1       0   176.2    89.8 28.9          1          0 131
## 3216 3216  53    0    4       0   163.5    87.5 32.7          0          0 123
## 3217 3217  63    1    2       1   165.6    73.9 27.0          1          0 139
## 3218 3218  62    1    1       0   173.0    74.1 24.8          1          0 137
## 3219 3219  56    1    1       0   159.4    78.1 30.7          0          1 114
## 3220 3220  54    0    1       2   173.3    72.2 24.1          0          0 129
## 3221 3221  58    0    3       2   166.1    87.1 31.6          1          1 135
## 3222 3222  59    0    3       0   162.1    66.8 25.4          1          0 136
## 3223 3223  63    1    4       0   176.7    73.6 23.6          1          0 138
## 3224 3224  61    0    1       0   176.8    85.1 27.2          1          0 135
## 3225 3225  68    0    3       0   178.0    70.6 22.3          1          0 134
## 3226 3226  62    1    3       0   172.0    80.1 27.1          1          0 139
## 3227 3227  60    1    1       1   179.0    83.1 25.9          1          0 136
## 3228 3228  57    0    1       2   165.6    68.7 25.0          0          0 128
## 3229 3229  63    1    1       0   158.3    72.8 29.1          1          0 133
## 3230 3230  64    0    1       1   176.4    76.6 24.6          0          0 130
## 3231 3231  70    0    1       0   178.9    84.8 26.5          1          0 134
## 3232 3232  55    1    3       1   167.2    75.0 26.8          0          1 124
## 3233 3233  53    0    1       0   172.1    78.9 26.6          1          0 134
## 3234 3234  59    0    1       1   164.7    76.7 28.3          0          0 126
## 3235 3235  61    1    1       0   174.3    77.9 25.6          1          0 140
## 3236 3236  56    0    1       1   164.9    71.6 26.3          0          0 119
## 3237 3237  55    0    3       0   170.9    69.1 23.7          0          1 121
## 3238 3238  60    0    1       0   171.6    73.1 24.8          1          0 136
## 3239 3239  55    1    1       1   159.8    77.6 30.4          0          1 125
## 3240 3240  68    1    1       0   176.4    73.6 23.6          1          0 134
## 3241 3241  71    0    1       1   160.9    91.2 35.2          1          1 149
## 3242 3242  57    0    1       1   170.0    82.7 28.6          0          0 124
## 3243 3243  64    1    1       0   163.9    81.8 30.5          1          0 137
## 3244 3244  60    0    1       0   163.6    78.9 29.5          0          0 125
## 3245 3245  56    1    1       1   172.6    88.2 29.6          1          0 140
## 3246 3246  61    1    2       1   168.4    88.0 31.0          1          0 133
## 3247 3247  55    0    3       0   177.5    81.5 25.9          1          0 137
## 3248 3248  58    1    1       1   182.5    81.4 24.4          0          0 125
## 3249 3249  56    0    1       2   164.4    74.0 27.4          0          0 125
## 3250 3250  58    1    2       0   168.5    70.9 25.0          0          0 129
## 3251 3251  60    0    1       1   174.5    76.2 25.0          0          0 126
## 3252 3252  57    0    3       0   178.6    84.3 26.4          1          0 143
## 3253 3253  59    0    1       0   166.3    90.4 32.7          0          0 127
## 3254 3254  62    1    3       0   173.7    79.1 26.2          1          0 132
## 3255 3255  61    0    1       0   167.6    94.2 33.5          0          0 123
## 3256 3256  53    0    1       0   173.5    72.7 24.1          0          0 124
## 3257 3257  66    0    1       0   170.6    65.5 22.5          0          0 127
## 3258 3258  61    1    4       2   168.1    81.4 28.8          1          0 144
## 3259 3259  61    1    1       0   175.3    69.8 22.7          1          0 138
## 3260 3260  58    1    4       0   161.5    79.7 30.5          1          0 131
## 3261 3261  66    1    1       2   181.5    91.2 27.7          1          1 137
## 3262 3262  66    0    3       0   159.4    77.5 30.5          1          0 138
## 3263 3263  66    0    1       1   165.6    71.9 26.2          1          0 145
## 3264 3264  58    0    3       0   166.9    78.3 28.1          0          0 127
## 3265 3265  60    0    1       1   177.0    74.8 23.9          1          0 136
## 3266 3266  60    0    1       1   165.8    80.9 29.4          0          0 126
## 3267 3267  61    1    2       0   163.6    78.2 29.2          1          0 131
## 3268 3268  51    0    1       0   162.1    76.6 29.1          0          0 120
```

```
## 3269 3269 65    0    1     0 169.8   74.8 25.9     0       0 130
## 3270 3270 53    1    3     0 158.6   76.1 30.2     0       0 127
## 3271 3271 63    1    3     1 176.5   73.3 23.5     1       0 138
## 3272 3272 61    1    3     0 172.4   61.8 20.8     0       0 126
## 3273 3273 58    1    1     1 171.1   70.4 24.0     1       0 135
## 3274 3274 57    0    1     1 168.6   79.5 28.0     0       0 123
## 3275 3275 66    0    1     0 159.9   71.8 28.1     1       1 134
## 3276 3276 63    1    1     0 183.7   83.5 24.8     0       0 123
## 3277 3277 62    1    1     1 168.9   79.9 28.0     1       0 131
## 3278 3278 64    0    1     0 176.4   69.8 22.4     1       0 135
## 3279 3279 59    1    1     0 171.1   67.7 23.1     1       0 144
## 3280 3280 56    0    3     0 174.3   70.9 23.3     0       0 129
## 3281 3281 69    1    2     0 167.3   78.9 28.2     1       0 150
## 3282 3282 57    0    1     2 171.8   74.6 25.3     0       0 126
## 3283 3283 57    1    1     0 176.6   84.8 27.2     0       0 121
## 3284 3284 58    0    3     0 169.0   81.0 28.4     1       0 132
## 3285 3285 68    1    1     1 163.9   73.0 27.2     1       0 139
## 3286 3286 64    0    1     1 174.3   85.5 28.2     1       0 140
## 3287 3287 62    0    1     0 169.4   72.5 25.3     0       0 123
## 3288 3288 53    0    4     0 178.9   73.0 22.8     0       0 114
## 3289 3289 55    0    1     2 179.9   82.5 25.5     1       0 131
## 3290 3290 65    1    1     0 169.3   77.6 27.1     1       0 131
## 3291 3291 59    0    3     0 168.3   76.2 26.9     0       0 125
## 3292 3292 71    1    1     0 168.3   86.5 30.5     1       0 136
## 3293 3293 55    0    1     1 160.0   82.5 32.2     0       0 129
## 3294 3294 61    1    1     0 178.3   85.3 26.8     0       0 122
## 3295 3295 65    0    4     0 171.0   87.6 30.0     1       0 144
## 3296 3296 52    1    1     0 172.6   73.3 24.6     0       0 124
## 3297 3297 58    0    1     0 168.1   82.4 29.2     1       0 136
## 3298 3298 63    0    1     1 152.6   72.3 31.1     1       0 135
## 3299 3299 56    0    1     0 159.3   82.2 32.4     0       0 120
## 3300 3300 63    1    1     2 171.4   79.6 27.1     0       0 127
## 3301 3301 63    1    4     0 169.6   83.6 29.1     1       1 138
## 3302 3302 61    1    3     2 169.9   86.4 29.9     0       0 122
## 3303 3303 71    1    1     1 164.7   79.5 29.3     1       0 133
## 3304 3304 60    0    1     0 163.7   82.7 30.8     0       0 126
## 3305 3305 61    1    1     0 166.8   72.7 26.1     0       0 127
## 3306 3306 56    0    1     0 170.6   86.5 29.7     1       1 137
## 3307 3307 61    1    1     2 168.7   83.6 29.4     1       0 139
## 3308 3308 57    0    1     1 173.5   79.0 26.3     0       0 128
## 3309 3309 65    1    1     0 158.2   80.4 32.1     1       0 131
## 3310 3310 54    1    2     1 161.0   64.1 24.7     1       0 136
## 3311 3311 59    1    3     0 172.0   91.5 30.9     1       0 136
## 3312 3312 64    0    1     2 181.6   85.0 25.8     0       0 130
## 3313 3313 52    0    1     2 164.6   77.6 28.6     0       0 125
## 3314 3314 58    0    4     0 175.0   83.4 27.2     0       0 127
## 3315 3315 61    1    1     1 171.6   79.0 26.8     1       0 142
## 3316 3316 58    1    1     0 177.1   86.9 27.7     0       0 126
## 3317 3317 58    1    1     1 169.1   86.4 30.2     0       0 128
## 3318 3318 63    0    1     0 160.9   86.4 33.4     1       0 140
## 3319 3319 56    0    1     0 169.0   66.3 23.2     0       1 127
## 3320 3320 67    0    4     2 157.0   82.4 33.4     1       0 140
## 3321 3321 61    0    3     1 164.4   79.5 29.4     1       1 133
## 3322 3322 68    0    1     0 173.1   78.5 26.2     1       0 140
```

```
## 3323 3323   66      1      3       0  169.2    81.2 28.4              1               0 144
## 3324 3324   61      0      1       1  168.0    69.4 24.6              1               0 142
## 3325 3325   65      1      1       0  175.3    78.4 25.5              1               0 136
## 3326 3326   58      0      3       1  172.8    69.9 23.4              0               0 119
## 3327 3327   66      0      3       0  170.6    84.2 28.9              1               0 136
## 3328 3328   65      1      1       0  170.3    70.8 24.4              1               0 135
## 3329 3329   60      1      1       0  170.7    70.5 24.2              0               0 126
## 3330 3330   61      1      3       0  157.9    70.2 28.1              1               0 131
## 3331 3331   50      0      1       2  174.8    75.8 24.8              0               0 118
## 3332 3332   66      0      1       2  172.3    89.1 30.0              1               0 131
## 3333 3333   60      1      1       1  173.3    77.8 25.9              1               0 136
## 3334 3334   50      1      4       1  167.9    69.4 24.6              0               0 122
## 3335 3335   63      0      2       0  166.1    72.8 26.4              0               0 126
## 3336 3336   58      0      1       0  180.1    80.9 25.0              0               0 130
## 3337 3337   63      1      3       0  171.9    74.3 25.2              1               0 148
## 3338 3338   65      1      3       0  168.9    72.7 25.5              1               0 138
## 3339 3339   61      0      3       1  170.5    92.7 31.9              1               0 141
## 3340 3340   60      1      4       1  169.8    83.6 29.0              1               0 135
## 3341 3341   63      1      1       0  172.0    83.0 28.1              0               0 129
## 3342 3342   62      0      1       0  159.9    82.9 32.5              1               0 132
## 3343 3343   51      1      3       0  167.1    88.6 31.8              0               0 127
## 3344 3344   57      1      1       1  156.2    73.9 30.3              0               0 120
## 3345 3345   66      0      4       0  167.4    82.7 29.5              1               0 140
## 3346 3346   55      1      2       0  168.9    79.9 28.0              1               0 135
## 3347 3347   60      0      1       0  171.2    79.3 27.1              0               0 117
## 3348 3348   59      1      1       0  169.6    85.6 29.7              0               0 124
## 3349 3349   65      0      1       0  182.0    82.9 25.0              1               0 139
## 3350 3350   61      1      1       0  170.2    83.1 28.7              0               0 130
## 3351 3351   61      1      4       1  166.6    72.4 26.1              0               0 127
## 3352 3352   63      0      1       2  168.6    82.9 29.1              1               0 139
## 3353 3353   66      0      1       0  163.1    88.7 33.3              1               1 141
## 3354 3354   57      1      1       1  165.4    81.1 29.7              1               0 136
## 3355 3355   57      0      1       0  167.3    81.7 29.2              0               1 122
## 3356 3356   55      1      1       1  162.7    78.0 29.5              0               1 120
## 3357 3357   63      1      1       0  165.0    95.2 34.9              0               0 117
## 3358 3358   66      0      4       0  184.5    84.0 24.7              1               0 143
## 3359 3359   61      1      3       1  167.0    83.7 30.0              1               0 135
## 3360 3360   68      1      1       0  172.1    82.6 27.9              1               1 135
## 3361 3361   59      0      1       1  157.1    82.8 33.6              0               0 129
## 3362 3362   64      0      2       1  160.3    77.2 30.0              1               0 135
## 3363 3363   61      0      1       0  177.2    89.4 28.5              0               0 130
## 3364 3364   58      1      3       1  178.2    76.1 24.0              0               0 129
## 3365 3365   66      0      1       0  174.7    82.0 26.9              1               0 135
## 3366 3366   61      1      3       0  165.3    84.9 31.1              1               0 134
## 3367 3367   63      1      1       0  169.3    81.6 28.5              1               0 139
## 3368 3368   60      1      3       0  166.9    80.5 28.9              0               0 124
## 3369 3369   62      1      1       0  164.6    82.7 30.5              1               0 139
## 3370 3370   71      0      3       0  161.8    75.5 28.8              1               0 135
## 3371 3371   57      0      1       0  181.3    80.8 24.6              1               0 133
## 3372 3372   62      0      1       0  177.1    85.4 27.2              1               0 140
## 3373 3373   56      0      1       1  175.6    78.7 25.5              0               0 129
## 3374 3374   64      0      1       0  163.0    72.0 27.1              1               0 149
## 3375 3375   62      0      2       0  165.1    76.9 28.2              1               0 133
## 3376 3376   56      1      3       0  174.2    83.5 27.5              0               0 122
```

```
## 3377 3377  55    1    4    0  165.2   72.8 26.7         1        1 133
## 3378 3378  52    1    3    2  170.8   87.8 30.1         0        0 130
## 3379 3379  64    1    3    0  171.5   86.0 29.2         1        0 137
## 3380 3380  54    1    1    1  186.6   89.1 25.6         1        1 131
## 3381 3381  59    1    3    2  169.4   83.2 29.0         0        0 122
## 3382 3382  59    0    3    0  168.3   77.5 27.4         1        0 132
## 3383 3383  56    0    4    0  176.3   80.1 25.8         0        1 123
## 3384 3384  55    0    1    1  169.3   88.9 31.0         0        0 127
## 3385 3385  56    0    3    1  161.4   85.8 33.0         0        0 119
## 3386 3386  67    0    1    1  184.8   82.8 24.2         0        0 126
## 3387 3387  60    1    1    2  173.4   70.6 23.5         0        0 129
## 3388 3388  57    1    1    0  169.0   75.4 26.4         0        0 122
## 3389 3389  54    1    1    0  179.3   93.8 29.2         0        0 125
## 3390 3390  66    0    3    1  165.1   66.2 24.3         1        0 141
## 3391 3391  63    0    2    1  164.6   75.2 27.8         1        1 134
## 3392 3392  53    0    1    2  178.9   80.9 25.3         0        0 113
## 3393 3393  63    1    1    2  160.4   82.3 32.0         1        0 143
## 3394 3394  67    1    1    0  166.5   75.0 27.0         1        0 131
## 3395 3395  57    0    4    2  178.1   82.7 26.1         0        0 129
## 3396 3396  61    1    1    0  175.0   81.5 26.6         1        0 136
## 3397 3397  69    1    1    0  166.2   84.5 30.6         1        0 131
## 3398 3398  58    1    1    0  169.3   71.6 25.0         0        0 129
## 3399 3399  62    0    1    0  160.4   76.1 29.6         0        0 126
## 3400 3400  66    0    1    0  164.7   87.8 32.4         1        0 131
## 3401 3401  64    1    1    0  172.5   88.3 29.7         1        0 141
## 3402 3402  73    0    3    1  160.8   72.4 28.0         1        0 145
## 3403 3403  63    1    3    0  171.7   86.5 29.3         0        0 130
## 3404 3404  62    0    1    0  169.3   84.2 29.4         1        0 150
## 3405 3405  65    1    1    1  177.3   87.1 27.7         1        0 149
## 3406 3406  54    0    3    0  163.1   82.8 31.1         0        0 123
## 3407 3407  65    1    3    0  176.8   73.4 23.5         1        0 139
## 3408 3408  60    0    3    1  160.0   69.3 27.1         1        0 135
## 3409 3409  54    1    3    1  174.4   93.4 30.7         0        0 127
## 3410 3410  58    0    1    1  181.6   97.2 29.5         0        1 130
## 3411 3411  65    0    3    0  170.1   79.8 27.6         1        1 133
## 3412 3412  61    1    3    0  162.7   77.4 29.2         1        0 134
## 3413 3413  65    0    1    0  163.9   83.4 31.0         1        0 138
## 3414 3414  61    0    1    2  171.8   83.1 28.1         0        0 120
## 3415 3415  60    0    4    0  170.3   80.6 27.8         0        1 130
## 3416 3416  57    1    1    1  169.0   87.6 30.7         1        1 136
## 3417 3417  67    1    1    2  179.1   76.0 23.7         1        0 139
## 3418 3418  56    1    1    0  174.2   90.9 30.0         0        0 129
## 3419 3419  57    0    3    0  172.2   85.0 28.7         0        1 124
## 3420 3420  66    1    1    0  178.3   75.2 23.7         1        0 140
## 3421 3421  59    1    1    2  171.5   79.3 26.9         1        1 133
## 3422 3422  67    1    1    0  181.5   76.4 23.2         1        0 138
## 3423 3423  53    0    1    1  182.8   84.5 25.3         0        1 125
## 3424 3424  63    0    1    1  169.6   77.2 26.8         1        0 134
## 3425 3425  68    0    3    0  167.7   77.6 27.6         0        0 129
## 3426 3426  63    0    2    0  167.8   82.8 29.4         1        0 136
## 3427 3427  69    0    1    0  162.3   75.0 28.5         1        0 138
## 3428 3428  60    1    1    1  171.4   76.7 26.1         1        0 139
## 3429 3429  55    0    1    0  176.1   85.0 27.4         0        1 128
## 3430 3430  65    0    3    0  171.5   77.0 26.2         0        0 126
```

```
## 3431 3431   58      0     1        0   172.7   74.7 25.0           1        0 142
## 3432 3432   56      0     3        1   171.9   67.2 22.8           0        0 129
## 3433 3433   53      0     1        0   177.3   84.5 26.9           0        0 121
## 3434 3434   63      1     1        1   166.0   95.1 34.5           0        0 129
## 3435 3435   52      1     4        0   165.7   68.9 25.1           0        1 123
## 3436 3436   63      0     1        0   173.8   76.3 25.3           0        0 127
## 3437 3437   63      0     1        1   179.3   91.1 28.3           1        0 136
## 3438 3438   62      0     3        1   176.2   82.2 26.5           0        1 121
## 3439 3439   59      1     1        1   174.0   89.1 29.4           1        0 131
## 3440 3440   57      0     4        1   174.8   89.5 29.3           0        1 130
## 3441 3441   54      1     3        1   173.4   81.5 27.1           1        0 137
## 3442 3442   61      0     4        0   172.0   85.9 29.0           1        0 135
## 3443 3443   55      0     3        0   167.6   80.6 28.7           0        0 122
## 3444 3444   65      1     1        1   172.8   82.1 27.5           1        1 140
## 3445 3445   55      1     1        1   153.2   74.6 31.8           0        1 128
## 3446 3446   56      1     3        2   172.7   82.2 27.5           1        0 135
## 3447 3447   51      0     3        0   168.9   85.1 29.8           0        0 115
## 3448 3448   60      0     1        1   169.3   89.3 31.1           1        0 139
## 3449 3449   59      1     1        0   157.3   71.6 28.9           1        0 134
## 3450 3450   53      0     2        0   174.1   85.5 28.2           0        0 122
## 3451 3451   59      1     1        0   173.9   77.4 25.6           0        0 119
## 3452 3452   62      0     1        2   171.9   75.7 25.6           1        0 132
## 3453 3453   58      1     3        0   170.5   83.4 28.7           1        0 132
## 3454 3454   61      0     1        2   163.5   76.7 28.7           0        0 123
## 3455 3455   52      1     1        0   157.9   95.1 38.1           0        1 125
## 3456 3456   54      1     1        0   170.3   79.8 27.5           0        0 130
## 3457 3457   61      1     4        0   165.9   83.4 30.3           1        0 142
## 3458 3458   58      0     1        2   173.6   77.3 25.6           0        1 125
## 3459 3459   58      0     4        1   168.0   77.3 27.4           1        0 135
## 3460 3460   61      1     3        1   167.6   86.4 30.8           1        0 136
## 3461 3461   68      1     1        0   165.8   82.2 29.9           0        0 125
## 3462 3462   68      1     2        2   159.4   67.6 26.6           0        0 124
## 3463 3463   59      0     3        1   170.0   84.9 29.4           1        1 136
## 3464 3464   55      0     1        0   161.1   77.4 29.8           0        0 123
## 3465 3465   61      0     3        0   166.0   88.9 32.2           1        0 132
## 3466 3466   58      1     3        1   171.7   82.1 27.8           0        0 119
## 3467 3467   51      1     4        0   173.7   82.8 27.5           0        1 119
## 3468 3468   59      0     1        1   174.2   69.3 22.8           0        0 129
## 3469 3469   62      0     4        1   169.7   77.1 26.8           1        0 148
## 3470 3470   53      1     1        0   175.9   83.5 27.0           1        1 131
## 3471 3471   58      0     1        0   174.2   75.5 24.9           0        0 121
## 3472 3472   60      0     1        0   173.6   75.6 25.1           0        0 125
## 3473 3473   61      0     2        0   183.1   83.2 24.8           1        0 134
## 3474 3474   62      0     4        0   173.6   68.3 22.7           0        0 128
## 3475 3475   61      1     1        1   173.5   83.6 27.8           1        0 136
## 3476 3476   58      0     1        0   166.6   82.9 29.9           0        0 118
## 3477 3477   61      1     1        1   162.6   78.7 29.8           0        0 123
## 3478 3478   54      1     1        0   166.9   68.9 24.8           0        1 117
## 3479 3479   64      1     1        0   161.1   74.1 28.5           1        0 131
## 3480 3480   55      0     1        0   169.1   79.9 28.0           0        0 118
## 3481 3481   60      0     1        1   150.7   70.0 30.8           0        0 129
## 3482 3482   67      1     1        2   169.9   70.3 24.4           1        0 148
## 3483 3483   54      1     1        0   167.3   87.2 31.2           0        0 123
## 3484 3484   52      0     1        0   166.0   86.2 31.3           0        0 116
```

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## 3485 3485 64   0   4   0   168.7   87.6 30.8        0           0 130
## 3486 3486 64   0   3   0   168.3   80.8 28.5        1           0 136
## 3487 3487 71   1   1   0   167.3   78.3 28.0        1           0 133
## 3488 3488 51   1   1   1   170.9   79.7 27.3        0           0 128
## 3489 3489 55   0   1   1   159.9   75.6 29.6        0           0 125
## 3490 3490 65   0   2   0   174.5   78.2 25.7        1           0 145
## 3491 3491 56   1   3   0   164.2   73.6 27.3        0           0 121
## 3492 3492 57   1   1   1   174.8   94.7 31.0        0           0 122
## 3493 3493 58   0   4   0   151.4   70.8 30.9        0           1 120
## 3494 3494 67   0   1   1   178.5   79.7 25.0        1           0 146
## 3495 3495 55   0   3   0   167.5   77.4 27.6        0           0 125
## 3496 3496 65   0   4   0   173.9   82.2 27.2        0           0 127
## 3497 3497 64   1   3   0   163.7   66.5 24.8        0           0 128
## 3498 3498 58   1   3   1   166.5   72.1 26.0        0           0 126
## 3499 3499 57   0   3   0   172.9   76.1 25.5        0           0 118
## 3500 3500 71   0   1   2   172.4   90.6 30.5        1           0 138
## 3501 3501 60   0   3   1   166.1   74.0 26.8        1           1 137
## 3502 3502 59   0   2   0   177.4   86.3 27.4        1           0 142
## 3503 3503 56   0   3   0   164.1   66.2 24.6        0           0 116
## 3504 3504 54   0   1   1   162.2   83.4 31.7        0           0 127
## 3505 3505 64   0   3   2   163.8   86.4 32.2        1           0 139
## 3506 3506 61   1   1   1   171.5   93.8 31.9        1           0 150
## 3507 3507 61   1   3   0   176.1   82.0 26.4        0           0 129
## 3508 3508 65   0   3   0   169.4   83.6 29.2        0           0 128
## 3509 3509 65   0   3   2   171.4   76.1 25.9        0           1 125
## 3510 3510 60   0   4   0   183.2   89.9 26.8        0           0 128
## 3511 3511 64   0   3   1   170.5   73.9 25.4        0           0 129
## 3512 3512 63   1   1   0   173.2   89.9 30.0        1           1 143
## 3513 3513 59   0   4   0   157.9   65.0 26.1        1           0 133
## 3514 3514 61   0   1   0   171.2   77.3 26.4        1           0 131
## 3515 3515 67   1   1   0   179.9   77.4 23.9        1           0 133
## 3516 3516 60   1   4   0   172.8   77.1 25.8        1           0 147
## 3517 3517 62   0   1   0   173.8   85.8 28.4        1           0 142
## 3518 3518 57   1   1   1   161.3   73.7 28.3        0           0 123
## 3519 3519 62   1   4   2   172.9   75.4 25.2        0           0 129
## 3520 3520 54   0   3   0   156.0   88.3 36.3        0           0 123
## 3521 3521 51   1   1   1   168.9   84.6 29.7        0           1 116
## 3522 3522 59   0   1   0   162.5   80.4 30.4        0           0 125
## 3523 3523 61   1   1   0   162.8   82.5 31.1        0           0 126
## 3524 3524 62   0   1   0   173.4   83.6 27.8        1           0 141
## 3525 3525 61   0   1   0   177.4   84.6 26.9        1           0 135
## 3526 3526 64   0   3   2   169.3   72.8 25.4        1           0 131
## 3527 3527 63   1   3   0   176.0   69.5 22.4        0           0 116
## 3528 3528 66   1   2   0   176.6   72.5 23.3        1           0 141
## 3529 3529 67   1   1   1   175.3   86.5 28.2        1           1 131
## 3530 3530 66   0   2   1   173.3   82.4 27.4        1           0 145
## 3531 3531 65   0   4   0   158.4   82.5 32.9        1           0 142
## 3532 3532 61   0   1   0   168.1   74.0 26.2        1           0 139
## 3533 3533 67   0   3   0   175.3   84.7 27.5        1           0 135
## 3534 3534 64   0   3   1   161.4   82.0 31.5        1           0 133
## 3535 3535 55   1   3   1   162.4   79.9 30.3        0           1 125
## 3536 3536 64   1   1   1   168.5   80.0 28.2        1           0 131
## 3537 3537 57   0   1   0   168.1   69.6 24.6        1           0 131
## 3538 3538 60   0   3   2   153.6   69.4 29.4        0           0 118
```

## 3539	3539	68	0	3	0	163.7	81.5	30.4	1	0	138
## 3540	3540	64	0	1	0	164.6	88.0	32.5	0	0	126
## 3541	3541	63	1	4	1	166.4	86.3	31.2	0	0	128
## 3542	3542	68	1	2	0	170.2	90.5	31.2	1	0	133
## 3543	3543	54	1	4	0	162.6	81.8	30.9	0	0	114
## 3544	3544	63	0	1	0	172.8	76.8	25.7	1	0	135
## 3545	3545	63	0	1	0	169.5	99.7	34.7	0	0	129
## 3546	3546	56	0	1	2	161.0	59.8	23.1	0	0	129
## 3547	3547	65	0	2	1	164.5	73.9	27.3	1	1	132
## 3548	3548	61	0	3	0	169.9	81.6	28.3	1	0	140
## 3549	3549	58	1	1	1	175.9	89.0	28.8	0	0	130
## 3550	3550	58	0	1	0	172.5	78.2	26.3	0	1	129
## 3551	3551	54	0	4	1	168.3	83.6	29.5	1	0	131
## 3552	3552	64	0	1	0	171.1	81.5	27.8	0	0	128
## 3553	3553	59	1	1	0	176.2	88.6	28.5	1	0	136
## 3554	3554	56	1	3	0	173.7	84.7	28.1	0	0	123
## 3555	3555	64	1	1	1	170.9	75.8	25.9	0	0	126
## 3556	3556	58	1	1	2	174.1	79.6	26.3	0	1	128
## 3557	3557	61	1	3	0	182.7	78.8	23.6	1	0	135
## 3558	3558	54	0	1	0	174.9	66.0	21.6	0	0	116
## 3559	3559	58	0	3	1	165.5	81.7	29.8	1	0	139
## 3560	3560	60	0	3	0	173.0	85.5	28.6	0	0	123
## 3561	3561	60	1	1	0	164.0	79.9	29.7	0	0	125
## 3562	3562	58	1	3	1	172.7	82.0	27.5	0	0	127
## 3563	3563	62	0	1	0	171.3	89.6	30.5	1	0	133
## 3564	3564	64	0	1	0	169.7	71.3	24.7	0	1	129
## 3565	3565	52	0	1	0	168.0	73.0	25.8	1	0	135
## 3566	3566	57	0	3	0	167.6	70.4	25.1	0	0	122
## 3567	3567	70	0	3	0	167.9	77.3	27.4	1	1	143
## 3568	3568	60	0	1	1	167.5	73.8	26.3	0	1	122
## 3569	3569	58	0	1	0	175.2	82.1	26.7	0	1	124
## 3570	3570	64	0	1	1	175.4	91.3	29.7	0	0	130
## 3571	3571	57	0	1	2	171.5	91.2	31.0	0	0	118
## 3572	3572	68	0	3	0	173.9	61.5	20.3	0	1	122
## 3573	3573	59	0	2	2	170.6	86.6	29.7	0	0	121
## 3574	3574	57	0	4	0	167.4	86.5	30.9	0	0	120
## 3575	3575	64	0	3	0	174.9	81.4	26.6	1	0	145
## 3576	3576	60	0	1	0	159.7	76.5	30.0	0	0	128
## 3577	3577	68	0	3	2	163.6	74.5	27.8	1	0	132
## 3578	3578	56	1	3	0	170.8	82.7	28.3	0	0	130
## 3579	3579	66	0	1	0	177.2	81.9	26.1	1	0	132
## 3580	3580	59	1	1	0	166.5	83.5	30.1	0	0	115
## 3581	3581	63	1	1	0	171.6	87.9	29.8	0	0	130
## 3582	3582	57	1	3	1	168.1	72.5	25.6	1	0	131
## 3583	3583	57	0	1	2	181.6	84.9	25.7	1	1	131
## 3584	3584	62	1	3	1	166.6	83.4	30.0	1	0	134
## 3585	3585	52	0	1	1	165.4	75.5	27.6	0	0	126
## 3586	3586	60	0	1	0	178.3	78.4	24.7	1	0	132
## 3587	3587	58	0	1	2	173.1	81.9	27.3	0	0	112
## 3588	3588	59	0	1	0	178.3	89.1	28.0	1	1	133
## 3589	3589	60	1	4	0	172.6	95.1	31.9	1	0	139
## 3590	3590	63	0	3	2	170.2	83.8	28.9	1	0	142
## 3591	3591	61	0	1	0	171.8	90.7	30.7	0	0	124
## 3592	3592	61	0	1	1	169.5	65.9	22.9	0	1	125

```
## 3593 3593 61    0    1        0  175.3   73.8 24.0          1          0 132
## 3594 3594 54    1    1        0  158.0   58.1 23.3          0          0 120
## 3595 3595 50    0    4        0  158.5   86.9 34.6          0          0 116
## 3596 3596 64    0    3        1  159.1   62.0 24.5          1          0 141
## 3597 3597 55    1    3        1  169.9   78.9 27.3          0          0 126
## 3598 3598 62    1    1        1  170.9   72.1 24.7          1          0 136
## 3599 3599 63    0    1        0  167.8   81.4 28.9          0          0 128
## 3600 3600 69    0    4        2  167.4   85.4 30.5          1          1 142
## 3601 3601 74    1    3        1  173.2   75.3 25.1          1          0 153
## 3602 3602 68    0    1        0  179.3   80.4 25.0          1          0 142
## 3603 3603 58    0    4        0  172.2   78.1 26.3          0          0 128
## 3604 3604 59    1    1        0  166.9   81.5 29.2          0          0 123
## 3605 3605 59    1    3        0  178.7   78.4 24.6          0          1 124
## 3606 3606 48    1    3        1  167.5   81.5 29.0          0          0 120
## 3607 3607 57    1    1        0  176.0   98.1 31.7          1          0 142
## 3608 3608 57    0    1        0  161.3   65.4 25.1          0          0 123
## 3609 3609 69    0    2        1  171.5   76.8 26.1          0          0 129
## 3610 3610 58    0    2        0  174.2   86.9 28.7          0          1 129
## 3611 3611 61    0    1        1  177.0   84.4 26.9          0          0 129
## 3612 3612 47    0    1        0  172.3   82.5 27.8          0          0 120
## 3613 3613 63    1    1        0  153.7   69.5 29.4          1          0 133
## 3614 3614 58    1    1        0  176.3   83.5 26.9          1          0 134
## 3615 3615 63    1    1        0  161.3   81.3 31.3          1          0 134
## 3616 3616 53    1    3        0  180.2   93.0 28.6          1          0 136
## 3617 3617 64    0    1        1  179.3   79.8 24.8          1          0 138
## 3618 3618 68    0    1        1  171.9   74.4 25.2          1          0 138
## 3619 3619 66    1    1        0  175.7   85.4 27.7          1          0 140
## 3620 3620 61    0    4        0  172.5   91.8 30.9          1          0 132
## 3621 3621 61    0    4        0  166.5   73.5 26.5          0          0 123
## 3622 3622 64    0    1        0  166.3   77.1 27.9          0          1 126
## 3623 3623 59    1    4        0  182.0   79.1 23.9          0          0 119
## 3624 3624 60    0    3        0  177.7   87.9 27.8          0          0 128
## 3625 3625 50    1    1        0  173.5   75.8 25.2          0          1 125
## 3626 3626 63    1    1        0  172.5   89.7 30.1          1          0 132
## 3627 3627 58    1    1        0  167.9   74.8 26.5          0          0 118
## 3628 3628 52    1    3        2  161.8   86.0 32.8          0          1 119
## 3629 3629 62    1    1        1  161.6   70.7 27.1          1          0 131
## 3630 3630 62    1    1        0  172.4   72.4 24.3          1          0 139
## 3631 3631 50    0    1        1  167.0   78.5 28.2          0          0 120
## 3632 3632 52    1    1        1  173.5   71.0 23.6          0          0 128
## 3633 3633 60    1    1        2  169.8   81.7 28.4          1          1 132
## 3634 3634 56    0    1        1  167.9   83.5 29.7          1          0 131
## 3635 3635 56    0    1        0  173.3   78.3 26.1          0          0 118
## 3636 3636 55    1    1        0  173.1   73.6 24.5          0          0 128
## 3637 3637 64    0    1        2  183.6   85.1 25.3          0          0 122
## 3638 3638 60    0    3        1  168.0   75.5 26.8          0          0 130
## 3639 3639 76    0    1        1  166.6   72.0 25.9          1          0 138
## 3640 3640 58    0    1        2  164.9   82.2 30.2          0          0 129
## 3641 3641 61    0    1        0  160.5   81.7 31.7          0          0 128
## 3642 3642 63    0    3        0  164.6   80.7 29.8          1          1 140
## 3643 3643 62    1    3        0  173.4   71.8 23.9          1          0 141
## 3644 3644 54    0    1        0  165.5   76.1 27.8          0          0 124
## 3645 3645 59    1    1        1  171.5   85.8 29.2          1          0 139
## 3646 3646 58    1    1        0  177.3   97.2 30.9          0          1 116
```

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## 3647 3647 67    0    2        0  164.1   63.5 23.6           1           0 131
## 3648 3648 63    1    2        0  160.6   56.7 22.0           1           0 143
## 3649 3649 53    1    1        0  169.1   71.1 24.9           0           0 122
## 3650 3650 63    1    1        0  163.6   76.2 28.5           0           0 126
## 3651 3651 49    1    1        1  171.5   77.2 26.3           0           1 128
## 3652 3652 63    1    1        0  164.8   76.0 28.0           1           1 135
## 3653 3653 66    1    1        0  170.6   82.3 28.3           1           1 140
## 3654 3654 63    0    1        1  169.0   73.0 25.5           1           0 140
## 3655 3655 66    1    1        0  178.7   77.2 24.2           1           0 134
## 3656 3656 61    0    3        1  181.6   71.6 21.7           0           0 130
## 3657 3657 62    1    1        0  169.4   82.8 28.9           0           0 119
## 3658 3658 62    1    1        1  166.0   66.0 24.0           1           0 138
## 3659 3659 60    0    1        0  175.4   80.7 26.2           0           0 121
## 3660 3660 64    0    1        0  171.9   79.9 27.0           1           0 137
## 3661 3661 58    1    1        0  160.5   78.0 30.3           0           0 121
## 3662 3662 58    0    4        0  178.3   82.0 25.8           0           0 128
## 3663 3663 57    1    1        0  166.6   71.9 25.9           0           0 114
## 3664 3664 59    1    3        0  166.0   89.9 32.6           1           0 131
## 3665 3665 61    1    1        0  167.1   75.4 27.0           0           1 114
## 3666 3666 63    1    1        0  170.9   78.0 26.7           1           0 134
## 3667 3667 53    0    1        1  165.9   72.8 26.4           1           1 132
## 3668 3668 60    0    1        1  178.4   84.3 26.5           0           0 129
## 3669 3669 56    1    1        0  159.6   76.7 30.1           1           1 134
## 3670 3670 58    0    1        0  165.8   79.1 28.8           1           0 134
## 3671 3671 55    0    1        0  162.4   81.1 30.8           0           0 122
## 3672 3672 58    1    1        1  163.5   81.5 30.5           0           0 128
## 3673 3673 59    0    1        0  165.3   76.9 28.1           1           0 133
## 3674 3674 66    0    2        2  169.6   78.3 27.2           1           0 131
## 3675 3675 59    0    1        0  185.7   83.2 24.1           0           0 126
## 3676 3676 64    1    3        0  171.2   85.0 29.0           1           0 138
## 3677 3677 56    0    1        1  173.9   82.5 27.3           0           0 124
## 3678 3678 66    0    3        1  175.3   87.3 28.4           0           0 128
## 3679 3679 61    1    1        1  166.4   88.3 31.9           1           0 137
## 3680 3680 60    0    1        1  158.8   68.0 27.0           1           0 137
## 3681 3681 59    1    1        0  172.6   81.5 27.4           1           0 134
## 3682 3682 61    0    1        0  166.8   64.6 23.2           1           0 137
## 3683 3683 62    0    1        0  168.4   67.6 23.9           0           0 128
## 3684 3684 58    0    3        0  168.9   79.0 27.7           1           0 135
## 3685 3685 57    1    1        2  182.3   79.0 23.8           0           0 120
## 3686 3686 62    1    1        0  171.7   74.2 25.2           0           1 130
## 3687 3687 65    0    1        0  178.6   82.1 25.7           1           0 140
## 3688 3688 60    1    1        0  165.7   80.0 29.1           1           0 134
## 3689 3689 62    1    1        0  174.5   86.4 28.4           0           0 127
## 3690 3690 57    0    1        0  161.1   83.9 32.3           1           1 132
## 3691 3691 72    1    1        2  176.1   81.2 26.2           1           0 150
## 3692 3692 56    0    1        0  173.9   86.7 28.7           0           0 130
## 3693 3693 53    1    1        1  166.4   76.2 27.5           0           0 121
## 3694 3694 60    1    1        1  166.7   81.6 29.4           0           0 130
## 3695 3695 60    1    3        0  168.3   81.3 28.7           0           0 122
## 3696 3696 53    1    1        0  179.1   83.4 26.0           0           0 121
## 3697 3697 53    1    4        0  168.7   75.6 26.6           0           0 119
## 3698 3698 60    0    1        0  168.0   80.3 28.4           1           1 131
## 3699 3699 57    1    4        0  175.0   78.9 25.8           1           0 131
## 3700 3700 59    1    3        1  179.3   85.9 26.7           0           1 122
```

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## 3701 3701 53   0   4   2 170.1  75.1 26.0        0        0 126
## 3702 3702 58   1   1   0 162.4  78.1 29.6        1        0 133
## 3703 3703 56   1   1   0 171.5  76.7 26.1        0        0 115
## 3704 3704 56   1   1   0 170.4  84.1 29.0        0        0 122
## 3705 3705 60   0   1   1 166.3  80.1 29.0        0        0 126
## 3706 3706 63   1   1   0 174.9  78.6 25.7        0        1 126
## 3707 3707 51   1   1   0 175.7  78.7 25.5        0        0 125
## 3708 3708 56   1   1   0 170.4  88.1 30.4        0        0 114
## 3709 3709 61   1   1   0 164.0  78.4 29.1        0        0 130
## 3710 3710 62   1   3   0 175.1  81.6 26.6        0        0 127
## 3711 3711 67   1   3   0 163.5  83.3 31.1        1        0 136
## 3712 3712 53   0   1   0 156.3  77.9 31.9        1        1 131
## 3713 3713 57   1   1   1 170.5  86.2 29.7        0        0 120
## 3714 3714 62   0   1   2 154.8  69.5 29.0        0        0 129
## 3715 3715 61   1   1   1 159.5  82.1 32.3        1        1 133
## 3716 3716 54   0   1   0 171.0  95.2 32.5        0        0 124
## 3717 3717 52   0   1   0 171.2  81.5 27.8        0        0 124
## 3718 3718 56   0   1   1 167.0  66.4 23.8        0        0 127
## 3719 3719 62   1   2   0 165.7  74.8 27.2        0        0 113
## 3720 3720 65   1   1   0 177.0  77.1 24.6        1        0 134
## 3721 3721 60   0   1   0 171.9  67.1 22.7        0        0 116
## 3722 3722 57   1   3   0 172.2  94.0 31.7        1        0 141
## 3723 3723 55   1   3   0 175.7  88.0 28.5        1        0 147
## 3724 3724 56   0   1   0 174.4  83.3 27.4        0        0 123
## 3725 3725 56   0   4   1 158.5  76.6 30.5        1        0 137
## 3726 3726 63   0   1   1 173.7  80.0 26.5        1        0 135
## 3727 3727 69   1   3   2 172.2  91.8 30.9        1        0 135
## 3728 3728 57   0   2   2 170.4  88.9 30.6        1        0 132
## 3729 3729 67   1   1   2 164.7  76.4 28.2        1        0 133
## 3730 3730 59   0   1   0 177.3  90.8 28.9        0        0 127
## 3731 3731 65   1   1   0 173.2  78.3 26.1        1        0 137
## 3732 3732 62   1   1   0 160.4  72.8 28.3        0        1 128
## 3733 3733 57   1   3   1 172.9  73.9 24.7        0        0 130
## 3734 3734 56   0   1   0 175.0  70.7 23.1        0        0 130
## 3735 3735 52   1   1   2 179.0  85.5 26.7        0        0 130
## 3736 3736 60   0   1   1 172.3  79.6 26.8        0        1 125
## 3737 3737 56   0   1   0 168.8  68.5 24.0        0        0 119
## 3738 3738 46   0   1   1 169.9  74.7 25.9        0        0 124
## 3739 3739 56   0   4   0 169.8  81.7 28.3        0        0 123
## 3740 3740 56   0   1   0 180.1  93.5 28.8        0        0 118
## 3741 3741 65   1   3   1 157.5  76.3 30.7        0        0 123
## 3742 3742 62   1   3   1 157.0  70.9 28.8        0        0 110
## 3743 3743 62   1   3   1 174.2  85.1 28.1        1        0 134
## 3744 3744 61   1   1   0 163.0  82.2 30.9        0        0 124
## 3745 3745 58   0   1   1 170.4  76.2 26.2        0        0 121
## 3746 3746 57   1   1   0 172.1  84.4 28.5        0        0 124
## 3747 3747 59   0   4   0 166.8  75.3 27.1        0        0 120
## 3748 3748 65   0   1   1 173.6  78.7 26.1        1        0 132
## 3749 3749 61   1   1   1 167.1  82.3 29.4        0        0 130
## 3750 3750 57   1   1   0 168.4  79.7 28.1        0        0 125
## 3751 3751 51   1   1   1 166.3  85.5 30.9        0        0 124
## 3752 3752 52   0   3   0 173.0  77.2 25.8        1        1 134
## 3753 3753 57   1   1   0 166.2  83.6 30.3        0        0 120
## 3754 3754 56   1   3   0 168.6  78.0 27.4        0        1 120
```

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## 3755 3755 67    1    3    0  167.1   78.8 28.2         0         0 129
## 3756 3756 60    1    4    0  176.5   89.8 28.8         1         0 134
## 3757 3757 62    1    3    0  178.0   81.4 25.7         0         0 125
## 3758 3758 64    1    3    1  169.9   78.2 27.1         1         0 147
## 3759 3759 58    1    1    1  171.6   84.7 28.8         1         1 139
## 3760 3760 48    0    1    0  173.5   90.1 30.0         0         0 123
## 3761 3761 55    0    3    1  170.5   74.8 25.7         1         0 133
## 3762 3762 61    0    1    0  171.3   80.3 27.4         1         1 136
## 3763 3763 64    1    1    0  167.4   86.6 30.9         1         0 140
## 3764 3764 62    0    1    1  163.6   83.1 31.1         1         0 143
## 3765 3765 60    1    1    2  175.3   90.5 29.4         0         0 122
## 3766 3766 56    0    1    1  165.7   82.1 29.9         0         1 129
## 3767 3767 61    1    4    1  167.5   82.9 29.6         0         0 130
## 3768 3768 53    0    1    1  168.2   76.7 27.1         0         0 112
## 3769 3769 63    0    4    0  162.0   69.8 26.6         1         1 144
## 3770 3770 54    0    3    1  171.0   86.0 29.4         0         0 128
## 3771 3771 59    1    1    0  160.7   79.9 30.9         0         0 123
## 3772 3772 64    0    1    0  169.2   79.7 27.9         0         0 117
## 3773 3773 64    1    1    2  173.4   85.9 28.6         1         0 138
## 3774 3774 57    0    1    1  177.0   81.6 26.1         1         1 131
## 3775 3775 65    0    3    1  170.5   73.5 25.3         0         0 123
## 3776 3776 64    0    1    0  168.8   84.9 29.8         0         0 130
## 3777 3777 57    1    1    0  176.8   86.2 27.6         0         0 130
## 3778 3778 70    1    1    1  169.1   82.7 28.9         1         0 137
## 3779 3779 66    0    1    0  177.1   69.9 22.3         1         0 136
## 3780 3780 60    0    1    0  173.5   72.8 24.2         1         0 146
## 3781 3781 58    0    1    1  167.7   81.6 29.0         0         0 116
## 3782 3782 61    1    1    1  163.4   76.1 28.5         1         0 132
## 3783 3783 54    0    3    0  170.5   78.3 26.9         0         0 128
## 3784 3784 58    0    1    0  166.5   73.4 26.5         1         0 139
## 3785 3785 54    0    1    1  169.0   84.2 29.5         1         0 131
## 3786 3786 55    1    1    0  174.9   86.1 28.2         0         0 122
## 3787 3787 65    1    1    0  169.6   89.9 31.3         1         0 141
## 3788 3788 64    1    1    1  167.9   94.5 33.5         1         0 134
## 3789 3789 55    1    1    1  167.3   80.9 28.9         0         0 126
## 3790 3790 61    1    1    2  179.7   73.3 22.7         0         0 113
## 3791 3791 57    0    1    0  171.8   84.7 28.7         0         0 123
## 3792 3792 64    0    3    1  169.5   76.2 26.5         0         0 129
## 3793 3793 54    1    3    1  162.6   79.2 29.9         0         1 109
## 3794 3794 54    0    3    0  167.7   70.5 25.1         0         0 114
## 3795 3795 61    0    3    0  169.7   85.3 29.6         1         0 134
## 3796 3796 55    0    3    0  179.4   83.1 25.8         0         0 120
## 3797 3797 57    1    1    1  169.7   78.2 27.2         0         1 117
## 3798 3798 63    0    1    0  161.1   70.0 26.9         1         0 137
## 3799 3799 62    1    1    0  165.7   92.4 33.6         1         0 131
## 3800 3800 66    1    1    0  175.4   85.3 27.7         1         0 136
## 3801 3801 65    1    1    1  167.7   87.5 31.1         1         0 144
## 3802 3802 56    0    1    0  173.5   85.0 28.2         1         0 133
## 3803 3803 63    1    1    0  172.7   75.4 25.3         0         0 129
## 3804 3804 58    1    3    2  165.8   82.8 30.1         1         0 134
## 3805 3805 56    0    1    1  173.0   72.1 24.1         0         1 127
## 3806 3806 55    1    1    0  173.7   75.9 25.1         0         0 116
## 3807 3807 64    0    1    2  163.7   87.4 32.6         1         0 135
## 3808 3808 67    1    1    0  167.2   88.5 31.6         0         0 119
```

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## 3809 3809   63      0       1       0   167.0   91.2 32.7         0           1 129
## 3810 3810   59      1       1       0   172.4   74.9 25.2         0           0 121
## 3811 3811   59      0       1       0   173.4   96.6 32.1         1           0 134
## 3812 3812   60      1       3       0   179.0   89.4 27.9         0           0 129
## 3813 3813   51      1       1       0   176.2   88.0 28.3         0           0 123
## 3814 3814   65      0       1       0   163.0   75.1 28.3         0           0 120
## 3815 3815   62      0       1       1   175.2   82.1 26.7         1           1 131
## 3816 3816   66      1       1       1   175.0   78.9 25.8         0           0 126
## 3817 3817   67      1       2       1   169.3   73.9 25.8         1           0 138
## 3818 3818   73      0       1       0   167.6   88.1 31.4         1           0 156
## 3819 3819   58      0       1       1   171.6   81.9 27.8         1           0 140
## 3820 3820   56      1       1       0   173.1   89.0 29.7         0           0 123
## 3821 3821   63      0       1       0   164.5   72.7 26.8         1           0 140
## 3822 3822   56      0       1       1   168.9   81.9 28.7         0           0 130
## 3823 3823   60      0       1       0   161.1   84.3 32.5         1           0 146
## 3824 3824   61      1       1       0   174.1   77.1 25.4         0           0 120
## 3825 3825   56      0       1       1   184.7   77.5 22.7         1           0 134
## 3826 3826   62      1       3       1   166.2   78.9 28.6         1           0 131
## 3827 3827   57      0       1       0   161.4   71.0 27.3         0           0 117
## 3828 3828   68      0       1       0   171.8   84.7 28.7         0           0 129
## 3829 3829   62      1       1       2   171.7   71.0 24.1         0           1 124
## 3830 3830   52      0       4       0   169.6   85.4 29.7         1           0 133
## 3831 3831   61      0       3       1   175.5   73.7 23.9         0           0 130
## 3832 3832   66      1       4       2   168.6   76.1 26.8         0           0 125
## 3833 3833   62      0       3       2   168.9   66.0 23.1         1           0 132
## 3834 3834   56      0       1       0   183.1   95.4 28.4         0           0 105
## 3835 3835   68      0       2       0   160.4   70.1 27.3         1           0 153
## 3836 3836   60      0       4       2   162.9   68.4 25.8         0           0 123
## 3837 3837   58      1       1       0   171.1   74.9 25.6         0           0 126
## 3838 3838   57      0       1       0   163.7   85.6 31.9         0           0 129
## 3839 3839   69      1       1       0   170.1   75.0 25.9         0           0 130
## 3840 3840   63      1       1       0   159.1   78.9 31.2         1           0 142
## 3841 3841   58      1       1       0   166.8   74.2 26.6         1           0 136
## 3842 3842   58      0       3       1   169.2   78.0 27.2         1           0 136
## 3843 3843   63      1       1       0   167.8   85.3 30.3         0           0 126
## 3844 3844   60      1       1       0   173.3   74.9 24.9         0           0 126
## 3845 3845   58      0       3       1   173.1   75.0 25.0         0           0 130
## 3846 3846   62      1       3       1   176.9   77.8 24.9         0           1 122
## 3847 3847   61      0       1       0   170.9   77.5 26.5         0           0 126
## 3848 3848   63      1       3       0   176.8   77.8 24.9         1           0 148
## 3849 3849   52      1       2       1   169.7   82.3 28.6         0           0 117
## 3850 3850   56      1       1       2   168.6   83.2 29.3         0           0 129
## 3851 3851   57      1       1       1   174.1   68.8 22.7         0           0 124
## 3852 3852   58      1       1       0   167.8   79.5 28.2         0           0 129
## 3853 3853   56      1       1       0   169.5   69.3 24.1         1           0 133
## 3854 3854   64      0       1       1   168.8   83.3 29.3         1           0 133
## 3855 3855   62      0       3       0   178.6   85.9 27.0         1           0 137
## 3856 3856   59      0       1       1   171.8   80.3 27.2         1           0 131
## 3857 3857   66      1       1       0   161.9   71.3 27.2         1           0 134
## 3858 3858   58      1       3       0   178.0   74.0 23.4         0           0 126
## 3859 3859   57      1       1       0   172.4   76.4 25.7         0           0 122
## 3860 3860   62      1       1       0   173.9   89.5 29.6         1           0 135
## 3861 3861   60      0       3       1   168.3   79.6 28.1         0           0 126
## 3862 3862   71      0       1       0   176.4   83.9 27.0         1           0 147
```

```
## 3863 3863   56       0    1        0   173.4     81.4 27.1           1          0 136
## 3864 3864   52       1    4        0   168.4     69.0 24.3           0          0 127
## 3865 3865   56       1    1        2   151.3     91.1 39.8           0          0 115
## 3866 3866   67       0    1        0   169.2     82.0 28.6           0          0 124
## 3867 3867   58       0    1        0   162.1     78.1 29.8           0          0 118
## 3868 3868   57       0    3        0   173.9     68.0 22.5           0          0 125
## 3869 3869   61       0    1        1   167.7     70.9 25.2           0          0 123
## 3870 3870   59       0    1        0   172.8     78.3 26.2           0          0 123
## 3871 3871   64       0    1        0   165.0     95.0 34.9           1          0 133
## 3872 3872   62       0    4        0   169.6     85.0 29.6           1          0 135
## 3873 3873   56       1    1        1   166.5     73.9 26.7           0          0 123
## 3874 3874   60       1    1        0   185.2     83.1 24.2           0          0 118
## 3875 3875   67       1    1        1   167.2     77.7 27.8           1          0 132
## 3876 3876   61       1    1        0   156.9     71.4 29.0           1          0 135
## 3877 3877   56       0    3        0   181.3     70.7 21.5           0          0 123
## 3878 3878   56       1    1        0   175.2     73.3 23.9           1          0 132
## 3879 3879   54       1    1        0   170.9     77.2 26.4           0          1 129
## 3880 3880   65       0    1        0   175.4     82.9 27.0           0          0 128
## 3881 3881   62       0    3        0   171.9     85.5 28.9           0          0 121
## 3882 3882   49       1    4        1   170.4     82.1 28.3           0          0 116
## 3883 3883   56       0    1        0   176.6     74.6 23.9           0          0 122
## 3884 3884   61       1    1        1   178.6     80.0 25.1           1          0 135
## 3885 3885   58       1    1        0   170.9     85.3 29.2           0          0 129
## 3886 3886   60       1    3        1   164.9     78.6 28.9           1          0 136
## 3887 3887   61       1    1        0   178.7     79.4 24.8           1          0 132
## 3888 3888   61       0    3        0   173.7     89.2 29.6           0          0 120
## 3889 3889   58       1    1        0   170.4     85.6 29.5           0          0 115
## 3890 3890   56       1    1        0   175.1     94.6 30.9           0          0 124
## 3891 3891   54       1    1        0   166.6     90.7 32.7           0          0 127
## 3892 3892   54       1    2        1   169.8     74.8 26.0           0          0 130
## 3893 3893   62       0    3        1   171.1     79.9 27.3           1          0 132
## 3894 3894   56       0    1        2   176.2     80.2 25.8           0          0 111
## 3895 3895   65       1    2        0   170.2     89.7 31.0           1          0 144
## 3896 3896   54       1    1        1   164.1     81.4 30.2           0          0 124
## 3897 3897   58       0    1        0   167.2     82.5 29.5           1          0 139
## 3898 3898   61       0    1        0   174.2     79.9 26.4           0          0 124
## 3899 3899   59       0    3        2   172.9     71.5 23.9           0          0 123
## 3900 3900   50       0    1        0   167.0     79.3 28.4           1          0 135
## 3901 3901   62       1    1        2   160.7     60.7 23.5           0          0 125
## 3902 3902   62       0    1        1   175.4     81.8 26.6           1          0 132
## 3903 3903   67       0    1        1   176.1     74.5 24.0           1          0 133
## 3904 3904   59       0    3        0   166.2     79.6 28.8           0          0 129
## 3905 3905   53       0    3        0   173.3     78.9 26.3           0          0 124
## 3906 3906   67       0    2        2   167.0     79.4 28.4           1          0 132
## 3907 3907   56       0    1        0   166.9     74.0 26.6           0          0 126
## 3908 3908   53       0    3        0   170.8     83.3 28.6           1          0 138
## 3909 3909   56       0    3        0   175.0     74.8 24.4           0          0 126
## 3910 3910   58       0    1        0   175.0     76.3 24.9           0          0 130
## 3911 3911   53       0    3        1   173.5     79.4 26.4           1          0 131
## 3912 3912   52       1    2        1   174.8     69.4 22.7           0          0 115
## 3913 3913   58       0    4        2   172.9     73.2 24.5           0          0 127
## 3914 3914   61       0    1        1   169.8     70.5 24.4           0          0 126
## 3915 3915   60       1    1        0   172.3     91.5 30.8           0          1 122
## 3916 3916   60       0    1        1   175.0     87.7 28.7           0          0 121
```

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## 3917 3917 55     0    4        1 169.2     74.4 26.0           0          0 128
## 3918 3918 61     0    1        0 171.6     75.7 25.7           1          0 134
## 3919 3919 62     0    4        2 190.6     92.8 25.5           0          0 122
## 3920 3920 59     0    3        0 163.7     83.1 31.0           1          0 133
## 3921 3921 61     0    1        1 160.8     75.2 29.1           1          0 133
## 3922 3922 69     1    1        0 165.6     84.4 30.8           0          1 130
## 3923 3923 58     0    1        0 168.4     75.1 26.5           0          0 125
## 3924 3924 64     1    1        0 174.3     64.3 21.2           1          0 141
## 3925 3925 59     1    1        1 168.0     80.8 28.6           0          0 123
## 3926 3926 56     1    4        0 170.7     79.3 27.2           0          0 125
## 3927 3927 51     1    1        0 175.1     84.1 27.4           0          0 127
## 3928 3928 53     1    3        1 168.2     69.5 24.6           0          0 126
## 3929 3929 63     1    1        1 173.8     75.3 24.9           1          0 139
## 3930 3930 54     1    3        0 170.6     81.7 28.1           0          0 124
## 3931 3931 65     0    3        2 172.5     84.1 28.3           1          1 132
## 3932 3932 63     1    1        2 167.6     68.6 24.4           0          0 130
## 3933 3933 67     1    1        0 169.1     74.8 26.2           1          0 140
## 3934 3934 60     1    1        0 188.4    100.3 28.2           1          0 131
## 3935 3935 62     1    1        1 168.1     82.7 29.3           1          0 133
## 3936 3936 54     0    1        1 175.8     76.5 24.7           0          0 125
## 3937 3937 64     0    1        0 174.8     80.2 26.2           0          0 125
## 3938 3938 57     1    1        1 168.8     73.5 25.8           0          0 122
## 3939 3939 61     1    1        0 167.3     68.3 24.4           0          1 126
## 3940 3940 68     0    3        0 166.5     83.5 30.1           0          0 129
## 3941 3941 62     1    1        2 170.0     74.9 25.9           1          1 133
## 3942 3942 65     0    3        0 171.4     75.8 25.8           0          0 130
## 3943 3943 65     0    1        2 163.1     73.1 27.5           1          0 149
## 3944 3944 59     0    1        1 159.8     61.2 24.0           0          0 129
## 3945 3945 70     0    1        0 176.8     73.3 23.5           1          0 134
## 3946 3946 65     0    1        0 165.9     72.1 26.2           1          0 135
## 3947 3947 59     0    1        0 177.8     76.4 24.2           0          0 126
## 3948 3948 60     1    1        0 169.3     86.6 30.2           0          1 126
## 3949 3949 52     1    1        1 180.2     80.2 24.7           0          0 127
## 3950 3950 56     0    1        2 168.3     92.6 32.7           0          0 126
## 3951 3951 60     0    3        0 171.4     71.2 24.2           1          0 133
## 3952 3952 49     0    1        0 170.7     84.8 29.1           0          0 126
## 3953 3953 53     1    1        1 162.1     91.9 35.0           0          0 128
## 3954 3954 63     1    1        0 173.6     75.7 25.1           1          0 133
## 3955 3955 61     1    1        0 178.3     73.0 23.0           1          0 137
## 3956 3956 64     1    2        2 170.9     69.8 23.9           0          0 129
## 3957 3957 72     0    1        1 162.5     66.9 25.3           1          0 135
## 3958 3958 61     1    1        1 168.2     75.9 26.8           0          0 121
## 3959 3959 60     0    1        1 180.2     77.1 23.8           1          1 135
## 3960 3960 60     1    4        0 178.9     77.0 24.0           0          0 128
## 3961 3961 56     1    3        2 165.0     69.8 25.7           0          0 123
## 3962 3962 62     1    1        0 164.8     75.3 27.7           1          1 133
## 3963 3963 57     0    1        0 165.1     84.5 31.0           0          0 121
## 3964 3964 61     0    2        1 154.9     88.8 37.0           1          1 137
## 3965 3965 52     0    3        1 177.3     87.0 27.7           0          0 124
## 3966 3966 59     0    1        0 168.5     74.1 26.1           0          0 126
## 3967 3967 58     0    1        0 171.2     84.1 28.7           1          0 142
## 3968 3968 58     1    3        0 170.6     74.2 25.5           0          0 125
## 3969 3969 59     1    4        0 177.0     87.9 28.1           1          1 142
## 3970 3970 54     1    3        0 172.5     82.2 27.6           0          0 119
```

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## 3971 3971  58   0   4   2  176.6   70.2 22.5        0        0 126
## 3972 3972  61   0   1   1  162.4   81.9 31.1        0        0 130
## 3973 3973  63   0   4   1  162.4   73.6 27.9        1        1 131
## 3974 3974  57   0   1   1  177.0   72.5 23.1        1        1 131
## 3975 3975  58   1   4   0  176.8   87.1 27.9        0        1 122
## 3976 3976  57   1   1   0  165.8   80.8 29.4        0        0 120
## 3977 3977  55   0   3   0  183.4   85.4 25.4        1        0 132
## 3978 3978  58   1   1   1  168.7   80.5 28.3        0        0 126
## 3979 3979  61   1   3   2  179.4   82.3 25.6        1        0 141
## 3980 3980  58   1   1   0  179.8   78.4 24.2        0        0 122
## 3981 3981  65   0   3   0  168.5   85.2 30.0        1        0 141
## 3982 3982  60   1   3   0  172.0   79.9 27.0        0        0 124
## 3983 3983  68   0   4   0  180.5   86.3 26.5        1        0 144
## 3984 3984  65   1   1   0  159.0   78.5 31.0        0        0 123
## 3985 3985  56   1   1   0  173.8   82.6 27.4        0        0 123
## 3986 3986  59   0   1   0  166.8   93.7 33.7        1        0 136
## 3987 3987  51   1   1   0  173.2   82.0 27.3        0        0 122
## 3988 3988  62   0   1   0  167.9   88.2 31.3        1        0 131
## 3989 3989  63   1   1   0  165.9   76.0 27.6        0        1 126
## 3990 3990  61   1   3   1  174.7   84.1 27.6        1        0 146
## 3991 3991  63   1   1   1  169.1   86.8 30.4        0        0 112
## 3992 3992  65   1   3   1  163.3   84.4 31.6        0        0 128
## 3993 3993  64   1   1   2  180.4   76.5 23.5        1        0 147
## 3994 3994  65   0   3   0  173.5   77.7 25.8        1        0 137
## 3995 3995  58   1   1   0  172.2   70.3 23.7        0        0 129
## 3996 3996  60   1   1   1  176.1   79.0 25.5        0        0 130
## 3997 3997  60   1   2   0  176.9   91.9 29.4        0        0 124
## 3998 3998  65   0   1   0  176.7   80.1 25.7        0        0 126
## 3999 3999  55   1   1   0  163.1   77.5 29.1        0        0 118
## 4000 4000  63   0   1   0  166.3   93.0 33.6        1        0 146
## 4001 4001  57   0   3   2  165.0   82.6 30.3        1        0 132
## 4002 4002  65   1   1   0  174.5   81.4 26.7        1        0 134
## 4003 4003  66   1   1   1  176.4   77.0 24.7        1        0 136
## 4004 4004  59   0   3   0  167.6   89.2 31.7        0        0 128
## 4005 4005  62   0   1   0  171.4   92.7 31.6        1        0 138
## 4006 4006  63   0   1   2  157.1   84.7 34.3        1        0 136
## 4007 4007  64   1   4   0  170.5   74.7 25.7        1        0 132
## 4008 4008  60   0   1   0  175.0   86.1 28.1        1        0 135
## 4009 4009  57   1   3   0  172.3   87.1 29.3        0        0 120
## 4010 4010  65   0   1   2  159.1   76.9 30.4        1        0 132
## 4011 4011  61   0   1   0  167.1   81.2 29.1        1        1 139
## 4012 4012  64   1   1   0  171.3   78.9 26.9        0        0 121
## 4013 4013  63   0   1   1  168.7   66.0 23.2        0        1 128
## 4014 4014  48   1   1   0  170.3   77.7 26.8        0        0 112
## 4015 4015  57   1   1   1  157.9   82.2 33.0        0        0 127
## 4016 4016  54   0   3   0  171.1   90.3 30.8        0        0 130
## 4017 4017  57   1   1   1  166.7   76.5 27.5        1        1 131
## 4018 4018  62   1   1   1  170.2   75.2 25.9        0        0 128
## 4019 4019  56   1   1   1  165.8   75.6 27.5        0        0 130
## 4020 4020  56   0   3   0  173.0   88.8 29.6        1        0 133
## 4021 4021  62   1   3   1  164.1   78.2 29.0        1        0 136
## 4022 4022  60   1   3   0  162.4   72.4 27.5        1        0 133
## 4023 4023  56   0   4   0  160.6   72.1 28.0        0        0 119
## 4024 4024  57   1   1   2  161.0   76.1 29.4        0        0 129
```

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## 4025 4025  58    0   3    0  168.8  74.8 26.3        1       0 133
## 4026 4026  59    0   4    0  168.9  81.7 28.6        1       0 137
## 4027 4027  62    0   2    0  165.3  84.6 31.0        1       0 135
## 4028 4028  61    0   1    0  156.1  70.1 28.8        1       0 135
## 4029 4029  64    0   1    1  167.7  70.4 25.0        0       0 122
## 4030 4030  63    1   3    0  173.8  68.1 22.5        1       0 131
## 4031 4031  68    1   1    0  177.4  89.2 28.4        1       0 132
## 4032 4032  64    0   3    1  167.0  81.5 29.2        0       0 123
## 4033 4033  63    0   1    0  165.7  74.3 27.1        1       0 138
## 4034 4034  68    1   4    1  173.6  63.5 21.1        1       1 139
## 4035 4035  58    1   3    0  176.1  91.2 29.4        0       0 122
## 4036 4036  72    0   1    1  170.8  91.9 31.5        1       0 133
## 4037 4037  62    0   1    1  172.6  84.0 28.2        0       0 126
## 4038 4038  63    1   1    0  167.6  82.0 29.2        0       0 126
## 4039 4039  58    1   4    2  161.2  84.8 32.7        0       0 128
## 4040 4040  58    1   1    0  178.6  80.5 25.2        0       0 127
## 4041 4041  66    0   2    2  168.1  74.7 26.4        1       0 135
## 4042 4042  57    1   1    1  168.1  80.2 28.4        0       1 123
## 4043 4043  65    1   3    0  170.4  83.9 28.9        0       1 118
## 4044 4044  63    1   1    0  166.6  83.5 30.1        1       0 134
## 4045 4045  61    0   4    0  174.3  80.7 26.6        0       0 121
## 4046 4046  59    0   1    0  155.9  58.4 24.0        0       0 129
## 4047 4047  59    1   1    0  176.0  90.9 29.3        0       0 118
## 4048 4048  66    1   1    0  158.8  91.0 36.1        1       0 138
## 4049 4049  57    1   1    0  179.0  84.3 26.3        0       0 125
## 4050 4050  62    1   1    2  172.8  81.7 27.4        1       0 152
## 4051 4051  70    1   4    0  167.4  77.7 27.7        1       0 145
## 4052 4052  60    1   1    0  163.5  76.8 28.7        1       0 148
## 4053 4053  69    0   1    0  164.4  79.6 29.4        1       0 135
## 4054 4054  59    1   2    0  169.1  72.7 25.4        1       0 131
## 4055 4055  66    0   1    0  179.8  80.2 24.8        1       1 138
## 4056 4056  62    1   2    0  167.3  82.2 29.4        0       1 123
## 4057 4057  60    0   4    1  176.9  66.8 21.4        1       0 132
## 4058 4058  64    0   4    0  161.9  91.6 35.0        1       0 140
## 4059 4059  62    1   1    1  178.2  94.3 29.7        1       0 139
## 4060 4060  60    0   4    0  167.3  70.9 25.3        1       0 132
## 4061 4061  63    1   1    1  174.3  73.6 24.2        1       1 135
## 4062 4062  60    0   3    1  165.2  86.3 31.6        1       0 134
## 4063 4063  65    1   1    0  164.3  78.3 29.0        0       0 129
## 4064 4064  58    0   1    1  171.0  70.2 24.0        0       0 123
## 4065 4065  57    1   4    1  175.6  74.1 24.1        1       0 132
## 4066 4066  67    1   1    0  161.8  72.6 27.7        1       0 144
## 4067 4067  61    1   3    1  174.2  77.1 25.4        1       0 138
## 4068 4068  60    0   1    0  173.7  79.7 26.4        0       0 129
## 4069 4069  58    1   1    0  164.3  60.5 22.4        1       0 145
## 4070 4070  49    1   1    0  170.3  87.3 30.1        0       0 118
## 4071 4071  53    1   3    1  167.0  65.5 23.5        0       0 120
## 4072 4072  59    1   3    0  168.8  74.7 26.2        1       0 136
## 4073 4073  57    0   1    0  177.2  78.3 24.9        1       1 132
## 4074 4074  53    1   1    0  180.2  90.8 28.0        0       0 114
## 4075 4075  70    0   1    0  168.8  81.7 28.7        1       1 136
## 4076 4076  56    1   1    0  176.9  72.0 23.0        0       1 116
## 4077 4077  71    1   4    0  172.5  92.1 30.9        1       0 145
## 4078 4078  62    0   1    0  159.4  62.2 24.5        1       0 131
```

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## 4079 4079 66   0   1       0   166.9    85.4 30.6        1           0 145
## 4080 4080 69   1   1       0   176.8    79.4 25.4        1           0 136
## 4081 4081 61   0   3       1   171.6    83.8 28.5        1           0 141
## 4082 4082 63   0   1       0   163.5    80.0 29.9        0           0 124
## 4083 4083 59   0   1       1   181.3    93.8 28.5        1           0 136
## 4084 4084 64   1   2       0   173.6    78.7 26.1        1           0 133
## 4085 4085 46   0   1       2   166.0    80.0 29.0        0           0 115
## 4086 4086 66   0   3       0   171.0    79.6 27.2        1           1 139
## 4087 4087 55   1   1       0   173.9    77.2 25.5        0           0 127
## 4088 4088 67   1   1       0   174.0    81.1 26.8        0           0 130
## 4089 4089 61   0   1       0   165.2    66.7 24.4        1           1 134
## 4090 4090 63   1   4       0   164.1    70.0 26.0        1           0 132
## 4091 4091 62   0   1       0   179.4    87.4 27.1        1           0 132
## 4092 4092 65   0   1       1   170.5    74.0 25.4        0           0 120
## 4093 4093 65   1   1       0   178.0    90.7 28.6        0           0 123
## 4094 4094 56   1   1       0   166.7    86.0 30.9        1           0 137
## 4095 4095 61   1   1       2   166.6    72.5 26.1        1           1 136
## 4096 4096 63   1   3       0   178.9    83.7 26.2        0           0 126
## 4097 4097 63   0   4       0   160.9    89.8 34.7        0           0 122
## 4098 4098 69   0   1       2   173.0    72.5 24.2        1           0 135
## 4099 4099 58   0   1       1   178.3    91.0 28.6        1           0 140
## 4100 4100 57   0   3       0   167.2    82.2 29.4        1           0 133
## 4101 4101 61   1   1       0   168.2    75.7 26.7        0           0 130
## 4102 4102 63   1   1       2   172.8    84.9 28.4        1           0 136
## 4103 4103 64   1   1       1   178.9   101.3 31.6        1           0 135
## 4104 4104 55   0   1       1   171.5    81.1 27.6        0           0 113
## 4105 4105 50   0   4       1   169.4    78.3 27.3        0           0 117
## 4106 4106 56   0   1       0   173.9    82.3 27.2        0           0 129
## 4107 4107 58   1   3       1   171.9    73.1 24.7        1           0 133
## 4108 4108 60   1   3       1   170.9    75.7 25.9        1           0 140
## 4109 4109 71   0   3       0   177.9    91.7 29.0        0           0 129
## 4110 4110 56   1   3       1   166.9    77.6 27.9        1           1 136
## 4111 4111 60   0   4       0   169.5    78.0 27.1        0           0 125
## 4112 4112 62   1   3       1   177.9    69.7 22.0        1           0 131
## 4113 4113 64   1   4       0   168.4    76.7 27.0        1           0 139
## 4114 4114 61   1   4       1   179.8    81.9 25.3        1           0 135
## 4115 4115 57   1   2       1   175.5    84.3 27.4        1           0 135
## 4116 4116 65   0   1       0   163.3    81.4 30.5        0           0 126
## 4117 4117 65   0   1       0   165.3    70.9 25.9        1           0 142
## 4118 4118 65   1   1       1   174.3    89.1 29.3        1           0 137
## 4119 4119 59   0   1       2   170.3    88.4 30.5        0           0 127
## 4120 4120 62   1   1       0   163.9    72.2 26.9        1           0 134
## 4121 4121 56   1   3       0   168.2    84.6 29.9        0           0 125
## 4122 4122 63   1   1       1   159.2    86.2 34.0        0           0 118
## 4123 4123 62   0   3       0   162.4    87.1 33.0        1           0 133
## 4124 4124 56   1   1       0   174.9    78.4 25.6        0           0 122
## 4125 4125 55   0   4       0   171.5    78.5 26.7        0           1 129
## 4126 4126 66   0   3       1   177.2    69.5 22.1        1           0 139
## 4127 4127 70   0   3       0   168.1    77.1 27.3        1           0 143
## 4128 4128 68   1   3       0   177.7    84.5 26.8        1           0 134
## 4129 4129 57   1   1       1   161.4    63.0 24.2        0           0 125
## 4130 4130 63   0   2       1   172.3    82.6 27.8        1           0 138
## 4131 4131 56   1   1       0   182.9    82.4 24.6        0           0 125
## 4132 4132 59   0   2       0   178.2    71.8 22.6        1           0 132
```

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## 4133 4133   63   0   3   2  167.2   81.7 29.2          1      1 131
## 4134 4134   61   0   1   0  177.0   78.0 24.9          1      0 132
## 4135 4135   61   1   1   0  161.0   81.1 31.3          1      1 135
## 4136 4136   59   1   1   0  164.5   72.3 26.7          1      1 131
## 4137 4137   60   0   1   0  162.7   84.8 32.1          1      0 133
## 4138 4138   62   0   1   2  176.4   82.2 26.4          1      0 137
## 4139 4139   63   1   1   0  168.7   75.5 26.5          1      0 134
## 4140 4140   55   0   1   0  178.0   89.8 28.4          1      0 140
## 4141 4141   56   0   1   0  168.9   81.4 28.5          0      0 121
## 4142 4142   59   1   1   0  163.6   75.0 28.0          0      1 127
## 4143 4143   68   1   1   1  162.5   77.6 29.4          1      0 144
## 4144 4144   60   1   1   0  174.8   78.5 25.7          0      0 115
## 4145 4145   56   1   1   0  162.7   76.2 28.8          0      0 127
## 4146 4146   60   1   1   0  165.1   80.7 29.6          0      0 130
## 4147 4147   59   0   1   1  179.0   75.7 23.6          1      1 132
## 4148 4148   64   1   1   2  178.4   84.7 26.6          1      0 136
## 4149 4149   63   0   1   0  168.3   71.0 25.1          0      0 128
## 4150 4150   64   0   3   0  166.5   87.4 31.5          1      0 138
## 4151 4151   68   0   1   0  163.2   69.6 26.1          1      0 133
## 4152 4152   62   0   3   0  171.2   88.8 30.3          1      0 131
## 4153 4153   52   1   1   0  163.2   91.9 34.5          0      0 112
## 4154 4154   70   1   1   0  169.3   88.6 30.9          1      0 149
## 4155 4155   55   1   2   0  175.2   82.6 26.9          0      0 121
## 4156 4156   55   0   1   0  159.2   82.5 32.6          0      0 125
## 4157 4157   54   1   1   0  159.8   84.6 33.1          0      0 123
## 4158 4158   60   1   3   0  171.2   71.7 24.5          0      0 125
## 4159 4159   64   1   3   0  171.0   80.9 27.7          1      0 132
## 4160 4160   59   1   3   0  173.3   75.1 25.0          0      1 130
## 4161 4161   60   0   1   0  172.4   72.5 24.4          0      0 120
## 4162 4162   55   0   1   1  169.2   77.7 27.2          0      0 129
## 4163 4163   63   0   3   1  161.9   87.7 33.4          1      0 132
## 4164 4164   62   1   1   0  178.1   85.4 26.9          0      0 123
## 4165 4165   65   1   3   2  177.2   87.8 28.0          1      0 135
## 4166 4166   59   1   1   1  177.5   83.3 26.5          1      0 131
## 4167 4167   60   1   3   0  166.1   82.8 30.0          0      0 128
## 4168 4168   60   1   1   0  174.1   78.0 25.7          0      1 130
## 4169 4169   61   0   1   1  171.7   83.2 28.2          0      0 130
## 4170 4170   60   0   3   0  170.9   85.8 29.4          1      1 135
## 4171 4171   58   1   4   0  167.2   71.0 25.4          0      0 116
## 4172 4172   63   0   1   1  170.3   89.5 30.8          0      0 129
## 4173 4173   59   0   3   2  168.6   75.5 26.6          0      1 126
## 4174 4174   62   0   3   0  160.5   81.9 31.8          1      1 131
## 4175 4175   63   1   3   0  159.6   78.5 30.9          0      1 122
## 4176 4176   59   1   3   0  162.4   80.9 30.7          0      0 128
## 4177 4177   72   0   3   1  171.1   71.4 24.4          1      0 145
## 4178 4178   57   0   4   0  173.9   78.9 26.1          0      1 129
## 4179 4179   60   1   3   0  170.2   80.2 27.7          1      0 141
## 4180 4180   60   1   4   1  167.9   74.4 26.4          0      1 128
## 4181 4181   61   1   1   0  169.9   93.0 32.2          0      0 129
## 4182 4182   61   0   1   1  164.7   72.7 26.8          0      0 126
## 4183 4183   59   1   1   0  172.5   79.1 26.6          1      0 140
## 4184 4184   62   1   1   0  166.6   85.5 30.8          0      1 130
## 4185 4185   67   0   3   2  168.6   69.5 24.4          1      0 131
## 4186 4186   67   1   3   1  172.7   74.9 25.1          0      0 128
```

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## 4187 4187  65    0    4    0  168.3   67.5 23.8        0        0 130
## 4188 4188  51    0    1    0  164.2   83.0 30.8        0        1 125
## 4189 4189  60    0    3    1  189.6   87.2 24.3        1        0 141
## 4190 4190  55    0    1    0  165.4   88.1 32.2        1        0 133
## 4191 4191  63    0    1    1  172.6   86.5 29.0        0        1 130
## 4192 4192  58    1    4    0  172.7   71.9 24.1        0        0 121
## 4193 4193  63    1    1    1  180.7   81.9 25.1        0        0 126
## 4194 4194  60    0    1    0  172.0   74.7 25.3        1        0 131
## 4195 4195  70    0    1    1  169.9   86.4 29.9        1        0 147
## 4196 4196  62    1    3    1  169.8   76.1 26.4        1        0 133
## 4197 4197  59    0    1    1  166.1   73.4 26.6        1        0 132
## 4198 4198  65    1    1    0  170.1   82.9 28.6        1        1 136
## 4199 4199  69    0    1    2  174.5   88.0 28.9        1        0 150
## 4200 4200  58    0    1    0  180.1   66.5 20.5        0        0 130
## 4201 4201  57    1    1    0  167.6   70.9 25.2        1        0 143
## 4202 4202  63    1    1    2  163.5   69.9 26.1        1        0 144
## 4203 4203  65    1    1    2  166.9   73.2 26.3        1        0 136
## 4204 4204  64    1    4    0  169.8   78.8 27.4        1        0 141
## 4205 4205  57    0    1    0  180.9   87.3 26.7        0        0 130
## 4206 4206  61    1    1    1  177.8   87.5 27.7        1        0 142
## 4207 4207  62    1    1    0  164.2   86.3 32.0        0        1 126
## 4208 4208  63    0    4    0  170.5   73.6 25.3        1        0 138
## 4209 4209  64    1    3    1  165.2   87.5 32.1        1        0 137
## 4210 4210  65    0    1    0  171.7   82.7 28.0        0        0 127
## 4211 4211  62    1    1    0  166.4   72.8 26.3        1        0 131
## 4212 4212  68    1    4    2  162.7   74.7 28.2        1        0 140
## 4213 4213  63    0    4    1  177.3   79.8 25.4        0        0 129
## 4214 4214  59    0    3    0  165.5   88.6 32.3        0        0 119
## 4215 4215  65    1    3    0  182.9   90.3 27.0        1        0 133
## 4216 4216  67    0    3    0  174.6   72.6 23.8        1        0 136
## 4217 4217  56    1    1    0  169.7   84.5 29.3        0        0 123
## 4218 4218  57    1    1    2  171.8   71.8 24.3        1        0 132
## 4219 4219  66    1    3    0  164.8   84.3 31.0        1        0 142
## 4220 4220  62    0    3    1  162.2   85.7 32.6        1        0 136
## 4221 4221  54    1    1    1  177.2   74.2 23.6        1        0 135
## 4222 4222  56    0    1    1  165.0   76.7 28.2        0        1 121
## 4223 4223  52    0    1    0  158.6   79.3 31.5        1        0 135
## 4224 4224  58    1    1    0  167.8   71.1 25.2        0        0 120
## 4225 4225  56    0    2    0  164.4   80.7 29.9        0        1 119
## 4226 4226  59    0    3    0  169.7   82.1 28.5        0        0 120
## 4227 4227  57    1    1    1  172.8   77.8 26.0        1        0 136
## 4228 4228  61    1    1    1  169.7   75.3 26.2        0        0 126
## 4229 4229  62    1    1    1  179.6   88.2 27.4        0        0 122
## 4230 4230  70    0    1    0  167.7   71.3 25.4        1        0 142
## 4231 4231  58    1    1    1  164.4   74.4 27.5        0        0 124
## 4232 4232  64    1    1    1  174.4   79.9 26.3        0        0 116
## 4233 4233  59    0    1    1  178.1   73.7 23.2        0        0 129
## 4234 4234  64    0    1    0  179.0   85.3 26.6        1        0 136
## 4235 4235  65    1    3    1  169.6   76.3 26.5        0        1 127
## 4236 4236  60    1    1    0  175.9   81.5 26.4        0        0 128
## 4237 4237  61    0    4    0  175.3   79.7 26.0        1        0 137
## 4238 4238  59    0    1    0  176.7   66.3 21.2        1        0 132
## 4239 4239  55    0    1    2  170.7   86.4 29.6        0        0 124
## 4240 4240  59    1    3    0  166.1   73.0 26.5        0        1 122
```

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## 4241 4241 63    0    1    0 174.0  78.6 26.0      1      0 132
## 4242 4242 60    1    1    0 170.6  88.8 30.5      0      0 120
## 4243 4243 61    1    1    1 164.1  72.9 27.1      0      0 125
## 4244 4244 61    1    1    0 178.0  83.9 26.5      0      0 123
## 4245 4245 58    1    1    2 171.1  82.2 28.1      1      0 131
## 4246 4246 55    1    3    0 166.2  77.4 28.0      1      0 139
## 4247 4247 71    1    3    2 172.3  79.3 26.7      1      1 135
## 4248 4248 58    0    1    1 179.5  83.6 25.9      0      0 125
## 4249 4249 57    1    1    2 170.3  89.9 31.0      1      0 138
## 4250 4250 66    1    1    1 170.5  77.1 26.5      1      1 136
## 4251 4251 59    1    1    1 171.6  90.1 30.6      1      0 140
## 4252 4252 54    0    1    1 161.1  69.3 26.7      0      0 113
## 4253 4253 53    1    1    1 175.7  90.5 29.3      1      1 131
## 4254 4254 55    0    1    2 174.2  74.9 24.7      0      0 122
## 4255 4255 65    0    4    0 170.7  65.1 22.3      1      0 143
## 4256 4256 57    1    1    0 166.4  70.4 25.4      1      0 142
## 4257 4257 59    1    1    0 163.8  73.1 27.2      0      0 128
## 4258 4258 58    0    1    0 178.5  82.9 26.0      0      0 129
## 4259 4259 67    1    1    1 167.1  73.7 26.4      0      0 127
## 4260 4260 66    1    1    0 175.2  83.4 27.2      0      0 130
## 4261 4261 59    1    1    0 167.7  78.8 28.0      1      1 135
## 4262 4262 67    1    1    1 168.7  77.3 27.1      1      0 134
## 4263 4263 50    1    2    2 162.1  75.1 28.6      0      0 128
## 4264 4264 56    0    1    1 170.4  85.4 29.4      0      1 125
## 4265 4265 58    0    3    1 173.8  81.2 26.9      0      0 126
## 4266 4266 62    0    3    0 170.7  83.5 28.7      0      0 126
## 4267 4267 57    0    1    0 159.4  81.0 31.9      1      0 137
## 4268 4268 54    0    1    0 173.1  86.8 29.0      1      0 134
## 4269 4269 58    1    1    1 182.0  79.7 24.1      0      0 125
## 4270 4270 62    0    1    0 174.2  78.9 26.0      1      0 139
## 4271 4271 59    1    3    1 161.3  71.8 27.6      1      0 134
## 4272 4272 55    1    1    0 159.1  74.3 29.4      0      0 123
## 4273 4273 61    1    1    1 172.2  76.4 25.8      0      0 130
## 4274 4274 56    0    4    2 178.6  93.6 29.4      0      0 130
## 4275 4275 58    1    1    0 171.2  76.4 26.1      1      0 137
## 4276 4276 61    0    1    1 170.9  81.0 27.7      0      0 126
## 4277 4277 63    0    1    2 171.8  72.4 24.5      1      0 138
## 4278 4278 64    1    1    1 173.0  75.5 25.2      1      0 135
## 4279 4279 60    0    3    1 178.5  89.7 28.1      0      0 128
## 4280 4280 48    0    2    1 175.3  81.9 26.6      0      0 117
## 4281 4281 64    1    1    0 174.6  88.6 29.0      1      0 141
## 4282 4282 58    1    1    1 172.4  82.0 27.6      0      0 121
## 4283 4283 51    0    1    1 179.6  78.4 24.3      1      0 134
## 4284 4284 59    0    1    0 179.2  84.4 26.3      1      0 137
## 4285 4285 60    0    1    0 171.3  89.8 30.6      0      0 120
## 4286 4286 57    1    4    0 183.2  84.3 25.1      0      0 119
## 4287 4287 62    0    1    1 179.3  72.6 22.6      1      0 138
## 4288 4288 59    0    4    0 167.8  69.8 24.8      0      0 121
## 4289 4289 62    0    1    0 170.4  84.0 28.9      1      0 141
## 4290 4290 53    1    1    1 163.4  91.3 34.2      0      0 129
## 4291 4291 73    0    1    0 163.9  69.1 25.7      1      0 144
## 4292 4292 58    0    4    0 173.3  88.3 29.4      1      0 140
## 4293 4293 56    0    4    0 154.8  70.2 29.3      0      0 120
## 4294 4294 68    0    1    1 171.9  89.1 30.1      1      0 147
```

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## 4295 4295  59  0  1  2  163.9  87.0 32.4        0        0 128
## 4296 4296  58  0  3  0  171.6  83.2 28.2        0        0 126
## 4297 4297  60  0  3  1  168.5  87.2 30.7        1        0 146
## 4298 4298  53  0  3  1  179.1  86.8 27.1        1        0 133
## 4299 4299  61  1  4  1  169.3  65.6 22.9        1        0 131
## 4300 4300  61  1  1  0  161.7  76.8 29.4        1        0 132
## 4301 4301  60  1  1  1  178.0  82.8 26.1        0        0 130
## 4302 4302  63  0  1  0  170.9  90.4 30.9        1        0 149
## 4303 4303  59  0  1  0  176.4  90.7 29.1        1        0 136
## 4304 4304  58  0  3  0  175.9  70.1 22.7        0        1 118
## 4305 4305  61  0  1  0  177.9  78.6 24.8        0        0 113
## 4306 4306  64  1  1  0  165.3  91.9 33.6        0        0 129
## 4307 4307  62  0  1  2  158.5  60.8 24.2        0        0 113
## 4308 4308  61  1  1  1  178.1  92.8 29.3        0        0 129
## 4309 4309  66  1  1  0  160.3  77.0 30.0        1        0 145
## 4310 4310  58  0  3  0  166.8  85.8 30.8        0        0 125
## 4311 4311  55  1  3  0  165.2  97.6 35.8        0        0 129
## 4312 4312  59  1  1  0  168.9  76.3 26.8        0        0 123
## 4313 4313  60  0  1  0  175.5  94.7 30.7        1        0 139
## 4314 4314  56  0  4  0  175.3  80.8 26.3        1        0 140
## 4315 4315  59  0  1  0  161.4  78.4 30.1        1        1 137
## 4316 4316  61  1  1  0  164.3  79.1 29.3        0        0 128
## 4317 4317  61  1  1  0  177.5  75.1 23.9        1        0 136
## 4318 4318  69  0  3  2  171.8  71.5 24.2        0        0 129
## 4319 4319  53  0  1  0  173.9  76.0 25.1        0        1 118
## 4320 4320  63  0  1  2  176.8  83.0 26.5        1        1 151
## 4321 4321  60  1  3  0  171.8  87.4 29.6        1        0 144
## 4322 4322  56  0  4  1  156.6  60.8 24.8        0        0 126
## 4323 4323  59  1  3  0  176.5  86.6 27.8        0        0 126
## 4324 4324  59  0  3  0  167.0  93.3 33.4        0        0 130
## 4325 4325  63  1  1  1  170.7  75.9 26.0        1        0 133
## 4326 4326  53  0  1  1  157.6  62.1 25.0        1        0 134
## 4327 4327  63  1  1  0  164.5  61.8 22.8        1        0 141
## 4328 4328  67  1  1  0  165.5  82.2 30.0        1        0 136
## 4329 4329  64  1  3  0  173.0  87.5 29.2        1        0 136
## 4330 4330  59  0  1  0  166.1  84.6 30.7        1        0 145
## 4331 4331  56  0  1  1  168.2  85.1 30.1        1        0 134
## 4332 4332  55  0  4  2  169.2  77.8 27.2        0        0 125
## 4333 4333  59  1  1  1  171.7  75.9 25.8        0        0 129
## 4334 4334  62  1  3  0  172.1  74.3 25.1        1        0 138
## 4335 4335  63  0  1  0  167.3  66.4 23.7        0        0 124
## 4336 4336  58  0  1  0  166.9  80.4 28.9        1        0 133
## 4337 4337  60  0  4  0  186.1  79.0 22.8        1        1 140
## 4338 4338  60  1  4  0  160.7  85.9 33.3        0        0 113
## 4339 4339  60  1  3  0  157.4  73.5 29.7        1        0 131
## 4340 4340  61  1  1  0  175.7  67.8 22.0        1        0 143
## 4341 4341  54  1  1  0  173.4  75.2 25.0        0        0 129
## 4342 4342  55  0  4  0  172.9  71.6 23.9        0        0 116
## 4343 4343  51  1  1  0  173.4  75.3 25.1        0        1 116
## 4344 4344  64  0  1  0  179.3  81.4 25.3        0        0 127
## 4345 4345  52  0  1  1  170.5  83.1 28.6        0        0 121
## 4346 4346  57  0  1  0  178.4  83.7 26.3        0        0 119
## 4347 4347  57  0  1  0  168.6  84.3 29.7        1        0 133
## 4348 4348  63  1  1  0  166.2  79.4 28.7        1        0 133
```

```
## 4349 4349 58     1    1         1   182.3    77.3 23.3            1           0 145
## 4350 4350 51     0    1         0   176.9    79.1 25.3            1           0 134
## 4351 4351 51     1    3         2   166.1    72.8 26.4            0           0 120
## 4352 4352 60     1    1         1   172.9    81.6 27.3            0           0 117
## 4353 4353 62     0    1         0   169.0    72.5 25.4            1           0 144
## 4354 4354 53     1    1         1   163.6    78.3 29.2            1           0 134
## 4355 4355 62     1    4         0   159.1    73.8 29.1            1           0 135
## 4356 4356 59     1    1         0   182.9    94.8 28.3            1           0 137
## 4357 4357 60     0    1         1   171.7    80.6 27.3            0           0 129
## 4358 4358 65     1    2         0   171.2    77.1 26.3            0           0 128
## 4359 4359 62     0    1         0   161.8    76.1 29.1            1           0 136
## 4360 4360 62     1    1         0   158.4    72.1 28.8            0           0 130
## 4361 4361 69     1    1         0   165.7    76.4 27.8            1           0 132
## 4362 4362 57     0    4         1   163.1    82.2 30.9            0           0 122
## 4363 4363 61     0    3         0   165.2    73.8 27.0            1           0 137
## 4364 4364 49     0    3         0   170.0    77.7 26.9            0           0 107
## 4365 4365 61     1    3         0   164.9    74.8 27.5            0           0 120
## 4366 4366 69     0    1         1   169.4    71.2 24.8            1           0 136
## 4367 4367 57     1    1         0   173.8    81.7 27.0            1           0 135
## 4368 4368 64     0    1         0   152.1    84.4 36.5            1           1 137
## 4369 4369 53     0    3         0   160.9    79.1 30.5            1           0 140
## 4370 4370 62     0    1         0   173.2    63.9 21.3            1           0 132
## 4371 4371 55     1    1         2   167.1    77.5 27.8            0           0 124
## 4372 4372 52     1    3         1   177.9    84.0 26.5            0           0 126
## 4373 4373 53     1    3         0   153.5    83.6 35.5            0           0 122
## 4374 4374 57     0    1         0   176.6    80.6 25.8            1           0 131
## 4375 4375 66     1    1         0   159.9    76.9 30.1            0           0 129
## 4376 4376 64     0    1         1   168.7    80.7 28.4            1           0 132
## 4377 4377 60     0    3         1   168.7    76.4 26.9            0           0 128
## 4378 4378 65     1    1         1   171.3    75.5 25.7            1           0 135
## 4379 4379 59     1    1         0   173.0    78.6 26.3            1           1 136
## 4380 4380 56     0    3         0   174.4    76.0 25.0            0           0 122
## 4381 4381 65     0    1         1   167.8    80.2 28.5            1           0 142
## 4382 4382 57     0    1         0   167.7    79.2 28.2            1           0 131
## 4383 4383 59     0    3         0   166.8    70.4 25.3            0           0 126
## 4384 4384 65     1    1         0   164.9    73.3 27.0            1           0 134
## 4385 4385 55     0    3         1   158.5    73.2 29.1            1           0 134
## 4386 4386 67     0    1         0   169.9    73.7 25.5            1           0 139
## 4387 4387 67     0    4         0   172.2    76.4 25.8            1           0 134
## 4388 4388 56     1    1         0   162.1    80.3 30.6            0           0 129
## 4389 4389 67     1    3         0   176.9    89.5 28.6            1           0 137
## 4390 4390 58     0    1         1   163.9    79.4 29.5            1           0 140
## 4391 4391 67     0    3         0   167.7    76.9 27.4            1           0 136
## 4392 4392 60     0    1         0   177.1    79.9 25.5            0           0 122
## 4393 4393 55     1    1         2   172.9    85.6 28.6            0           0 115
## 4394 4394 63     1    1         0   173.7    76.4 25.3            1           0 139
## 4395 4395 56     1    1         0   165.9    92.1 33.5            1           0 133
## 4396 4396 62     1    4         0   174.7    93.3 30.6            1           0 138
## 4397 4397 66     0    1         0   170.3    82.6 28.5            1           1 138
## 4398 4398 59     1    1         0   152.5    67.7 29.1            1           0 135
## 4399 4399 64     0    2         1   170.0    80.4 27.8            1           0 136
## 4400 4400 59     1    1         0   169.5    84.3 29.4            0           0 126
## 4401 4401 61     0    1         0   185.5    91.0 26.4            1           0 136
## 4402 4402 56     0    1         0   173.7    84.8 28.1            1           1 146
```

```
## 4403 4403 63    0    1    0  165.6   77.7 28.3        1        0 133
## 4404 4404 59    0    4    0  173.7   89.3 29.6        1        0 138
## 4405 4405 58    1    1    2  168.4   82.7 29.2        0        0 125
## 4406 4406 67    0    1    0  169.2   91.9 32.1        0        0 117
## 4407 4407 60    0    1    0  163.1   79.2 29.8        0        0 118
## 4408 4408 58    1    1    1  173.5   85.8 28.5        1        0 132
## 4409 4409 58    0    3    1  164.9   69.2 25.5        0        0 129
## 4410 4410 51    0    4    0  172.1   72.6 24.5        0        0 122
## 4411 4411 59    1    1    0  158.3   80.0 31.9        0        0 128
## 4412 4412 60    0    1    1  163.0   84.5 31.8        0        0 124
## 4413 4413 58    1    1    0  166.9   83.0 29.8        0        0 123
## 4414 4414 61    1    1    0  168.4   81.2 28.6        1        0 134
## 4415 4415 70    1    1    1  171.7   86.2 29.2        0        0 130
## 4416 4416 56    0    1    1  177.2   93.2 29.7        0        0 128
## 4417 4417 60    1    1    0  163.4   82.7 31.0        1        0 138
## 4418 4418 65    0    2    0  175.0   92.4 30.2        0        0 127
## 4419 4419 61    0    1    1  165.3   75.0 27.4        0        0 126
## 4420 4420 62    0    1    0  169.1   77.2 27.0        0        0 122
## 4421 4421 62    1    3    0  165.0   75.0 27.5        0        1 125
## 4422 4422 54    1    2    2  157.7   79.9 32.1        0        0 123
## 4423 4423 59    1    2    0  168.3   66.2 23.4        0        0 125
## 4424 4424 56    0    1    0  158.4   81.8 32.6        1        1 136
## 4425 4425 55    0    4    0  162.9   69.9 26.4        1        0 137
## 4426 4426 62    0    1    0  170.9   77.0 26.4        1        0 132
## 4427 4427 60    1    3    1  171.5   81.4 27.7        1        0 135
## 4428 4428 59    0    1    0  171.5   84.3 28.7        1        0 133
## 4429 4429 75    1    3    0  176.3   86.6 27.8        1        0 150
## 4430 4430 61    1    1    0  170.4   76.8 26.5        1        0 136
## 4431 4431 62    0    1    1  177.3   82.2 26.2        0        0 124
## 4432 4432 65    1    2    0  170.4   81.3 28.0        1        0 139
## 4433 4433 59    0    1    1  170.7   81.6 28.0        0        0 129
## 4434 4434 57    1    1    0  173.3   77.1 25.7        0        0 127
## 4435 4435 55    1    1    0  168.2   86.8 30.7        0        0 128
## 4436 4436 56    0    1    0  159.6   90.5 35.5        0        0 130
## 4437 4437 57    0    1    0  160.8   75.8 29.3        0        0 128
## 4438 4438 64    0    1    0  168.7   80.5 28.3        1        1 135
## 4439 4439 57    0    4    1  170.1   95.8 33.1        0        0 122
## 4440 4440 55    1    3    1  171.1   76.6 26.2        1        0 131
## 4441 4441 66    1    1    0  172.9   82.9 27.7        0        0 118
## 4442 4442 60    0    1    0  172.8   76.6 25.6        0        1 123
## 4443 4443 59    0    1    1  172.7   69.9 23.4        0        0 129
## 4444 4444 63    0    1    0  185.9   78.6 22.7        1        0 134
## 4445 4445 64    1    1    0  157.2   63.1 25.5        1        1 139
## 4446 4446 58    0    3    0  167.7   75.9 27.0        0        0 120
## 4447 4447 52    1    1    1  165.6   75.9 27.7        0        0 127
## 4448 4448 63    1    1    0  160.6   70.7 27.4        0        0 129
## 4449 4449 56    1    1    0  185.0   97.5 28.5        1        0 137
## 4450 4450 56    1    1    2  169.2   86.6 30.2        0        0 127
## 4451 4451 66    1    1    1  172.2   71.9 24.3        1        0 135
## 4452 4452 59    0    1    0  165.6   86.0 31.4        1        0 137
## 4453 4453 61    0    3    0  159.9   80.7 31.6        0        1 122
## 4454 4454 67    0    3    2  166.8   69.3 24.9        1        0 143
## 4455 4455 62    0    1    2  170.6   76.0 26.1        1        0 134
## 4456 4456 62    0    1    0  167.5   81.4 29.0        1        0 145
```

```
## 4457 4457 53    1    4    1  174.3   90.9 29.9         0         0 126
## 4458 4458 54    0    1    1  170.8   85.0 29.1         0         0 124
## 4459 4459 59    0    1    0  169.6   81.3 28.3         1         0 131
## 4460 4460 65    0    1    0  165.0   76.7 28.2         1         0 144
## 4461 4461 61    1    1    0  166.4   76.0 27.5         1         1 136
## 4462 4462 56    0    1    0  168.2   71.1 25.1         1         0 143
## 4463 4463 72    0    1    0  172.2   77.9 26.3         1         1 131
## 4464 4464 59    0    1    0  159.3   70.2 27.7         1         0 143
## 4465 4465 55    0    3    0  176.4   77.2 24.8         1         1 135
## 4466 4466 58    0    3    1  167.1   77.8 27.9         1         0 136
## 4467 4467 56    0    3    0  166.2   80.3 29.1         1         0 144
## 4468 4468 63    1    1    1  167.9   72.6 25.7         0         1 128
## 4469 4469 58    0    1    0  166.4   85.2 30.8         0         0 124
## 4470 4470 61    0    4    0  169.0   77.9 27.3         0         0 128
## 4471 4471 56    1    4    1  166.2   69.7 25.2         0         0 125
## 4472 4472 55    0    1    1  165.3   80.7 29.5         1         0 134
## 4473 4473 63    1    3    0  183.2   81.7 24.4         1         1 135
## 4474 4474 65    0    3    0  171.8   85.7 29.0         1         0 146
## 4475 4475 61    1    3    0  161.7   69.5 26.6         1         1 135
## 4476 4476 60    0    1    1  172.9   81.2 27.2         0         0 122
## 4477 4477 67    0    1    1  169.8   71.3 24.7         1         0 134
## 4478 4478 65    1    1    1  166.3   65.1 23.6         1         0 136
## 4479 4479 57    1    3    0  173.6   84.0 27.9         1         1 131
## 4480 4480 61    1    4    0  166.5   75.4 27.2         0         0 128
## 4481 4481 62    0    3    1  161.4   89.3 34.3         0         0 128
## 4482 4482 60    0    1    0  152.9   73.9 31.6         0         1 127
## 4483 4483 64    1    1    0  169.0   88.2 30.9         1         0 136
## 4484 4484 63    0    3    0  155.9   74.5 30.6         0         0 128
## 4485 4485 63    0    1    1  167.1   64.3 23.0         1         0 137
## 4486 4486 65    0    1    1  181.0   94.4 28.8         1         0 140
## 4487 4487 60    0    3    2  164.4   70.0 25.9         0         0 125
## 4488 4488 61    0    4    2  167.0   87.4 31.3         0         0 120
## 4489 4489 59    1    3    0  165.4   82.0 30.0         1         1 133
## 4490 4490 61    0    3    1  175.5   90.2 29.3         1         0 134
## 4491 4491 60    0    4    0  180.6   95.0 29.1         0         0 123
## 4492 4492 58    1    4    0  169.4   81.1 28.3         1         1 136
## 4493 4493 73    1    3    0  168.2   75.4 26.7         1         0 139
## 4494 4494 55    1    3    0  171.1   79.2 27.1         0         0 123
## 4495 4495 64    0    3    1  165.6   80.1 29.2         1         0 132
## 4496 4496 64    0    1    2  162.7   83.7 31.6         1         0 148
## 4497 4497 58    0    1    0  160.3   93.0 36.2         0         0 122
## 4498 4498 60    1    2    0  161.2   80.3 30.9         1         0 135
## 4499 4499 61    0    1    0  169.1   69.6 24.4         1         0 136
## 4500 4500 58    1    1    1  181.0   82.6 25.2         1         0 138
## 4501 4501 61    1    4    0  174.7   86.8 28.4         1         0 133
## 4502 4502 54    0    2    0  175.1   93.3 30.4         0         1 107
## 4503 4503 57    1    4    0  164.3   80.9 29.9         0         0 125
## 4504 4504 57    1    3    1  170.2   90.0 31.1         0         0 124
## 4505 4505 60    1    3    0  175.1   92.0 30.0         1         0 143
## 4506 4506 62    1    1    0  171.0   73.8 25.2         0         0 130
## 4507 4507 53    1    3    0  171.1   75.1 25.7         0         0 125
## 4508 4508 63    1    3    0  166.0   86.0 31.2         0         1 129
## 4509 4509 60    0    2    0  162.0   84.7 32.3         1         0 137
## 4510 4510 59    1    4    0  176.7   75.5 24.2         1         0 132
```

```
## 4511 4511  59    0    1     0  170.4   83.7 28.8        0        0 123
## 4512 4512  58    1    4     0  161.6   69.0 26.4        0        0 121
## 4513 4513  58    0    3     0  167.6   83.6 29.8        0        1 112
## 4514 4514  70    0    3     1  169.2   86.9 30.3        1        0 135
## 4515 4515  55    0    1     1  164.6   89.1 32.9        0        1 125
## 4516 4516  64    0    4     0  177.9   70.5 22.3        0        0 121
## 4517 4517  56    0    1     0  165.7   84.2 30.7        0        0 123
## 4518 4518  49    1    1     0  165.8   80.8 29.4        1        0 133
## 4519 4519  57    0    1     0  168.3   83.0 29.3        0        0 122
## 4520 4520  62    0    1     0  164.6   75.3 27.8        1        0 131
## 4521 4521  61    1    1     1  173.7   75.1 24.9        0        0 126
## 4522 4522  58    0    3     1  163.3   76.3 28.6        1        0 140
## 4523 4523  63    1    1     0  174.9   84.5 27.6        0        1 130
## 4524 4524  63    0    1     0  161.5   65.3 25.0        1        0 131
## 4525 4525  60    1    1     1  175.6   88.7 28.8        0        0 127
## 4526 4526  68    1    1     2  166.5   87.6 31.6        0        0 122
## 4527 4527  65    0    1     0  169.9   82.1 28.4        1        0 133
## 4528 4528  59    0    4     1  169.4   83.8 29.2        0        1 129
## 4529 4529  68    1    1     2  162.6   67.6 25.6        1        0 148
## 4530 4530  56    1    4     0  173.6   86.6 28.7        1        0 133
## 4531 4531  58    1    1     2  167.0   75.7 27.1        0        0 122
## 4532 4532  60    0    1     0  178.6   78.9 24.8        1        1 133
## 4533 4533  64    0    4     0  166.8   81.6 29.3        1        1 132
## 4534 4534  54    1    1     1  163.7   67.4 25.2        0        1 129
## 4535 4535  56    0    4     0  171.8   83.9 28.4        0        0 127
## 4536 4536  57    1    1     0  169.6   84.9 29.5        0        0 127
## 4537 4537  61    1    1     0  161.2   70.1 27.0        1        0 134
## 4538 4538  61    0    3     0  174.0   80.1 26.4        0        0 130
## 4539 4539  59    1    1     2  167.2   67.6 24.2        0        0 124
## 4540 4540  61    1    1     2  154.7   86.1 36.0        0        0 128
## 4541 4541  57    1    3     1  168.8   83.0 29.1        1        0 141
## 4542 4542  63    0    1     0  159.6   74.8 29.3        0        0 125
## 4543 4543  64    0    1     1  175.0   86.3 28.2        1        0 143
## 4544 4544  60    0    3     0  178.1   87.7 27.7        0        0 125
## 4545 4545  68    1    2     1  168.5   72.2 25.4        1        0 146
## 4546 4546  54    0    1     0  173.2   86.0 28.7        0        0 122
## 4547 4547  60    1    1     0  175.0   71.9 23.5        0        0 130
## 4548 4548  58    1    1     0  172.8   80.8 27.0        0        0 118
## 4549 4549  59    0    1     1  164.3   84.2 31.2        0        1 130
## 4550 4550  63    1    1     2  170.6   83.4 28.6        0        0 120
## 4551 4551  45    0    3     2  168.9   78.1 27.4        0        0 107
## 4552 4552  55    0    1     0  171.3   76.7 26.1        0        0 124
## 4553 4553  54    1    1     0  168.6   71.6 25.2        0        0 121
## 4554 4554  57    1    3     0  173.8   84.6 28.0        0        0 125
## 4555 4555  54    1    3     1  177.5   83.6 26.5        1        0 144
## 4556 4556  57    1    1     0  165.6   71.9 26.2        0        0 124
## 4557 4557  51    0    1     1  168.2   88.8 31.4        0        0 126
## 4558 4558  62    0    1     0  177.8   84.7 26.8        1        0 147
## 4559 4559  57    0    1     2  180.5   91.0 27.9        0        0 122
## 4560 4560  61    0    1     0  172.6   87.8 29.5        1        1 136
## 4561 4561  60    0    3     2  175.3   71.1 23.1        1        0 131
## 4562 4562  62    1    1     0  166.4   74.8 27.0        1        1 132
## 4563 4563  60    1    1     1  179.8   83.6 25.8        0        0 128
## 4564 4564  54    0    1     0  173.7   78.0 25.9        0        0 120
```

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## 4565 4565 60   0   3   0   164.1   79.5 29.5        0        0 130
## 4566 4566 62   0   1   1   170.8   91.1 31.2        1        0 131
## 4567 4567 56   0   1   1   170.0   79.5 27.5        0        0 129
## 4568 4568 59   0   4   1   158.0   81.9 32.8        1        0 136
## 4569 4569 64   0   1   0   163.4   76.8 28.8        1        0 138
## 4570 4570 55   0   1   0   185.1   86.1 25.1        1        0 135
## 4571 4571 55   1   4   0   169.6   84.4 29.3        1        0 136
## 4572 4572 64   0   2   0   175.1   79.1 25.8        1        0 140
## 4573 4573 63   1   1   1   172.6   82.2 27.6        1        0 135
## 4574 4574 60   0   1   1   164.7   79.7 29.4        0        0 126
## 4575 4575 54   1   1   0   176.8   81.5 26.1        0        0 122
## 4576 4576 58   0   3   0   166.3   86.1 31.1        1        0 134
## 4577 4577 55   1   1   0   158.7   82.8 32.9        0        1 130
## 4578 4578 57   1   3   0   164.7   68.7 25.3        0        0 129
## 4579 4579 57   1   4   1   172.0   78.8 26.6        0        0 126
## 4580 4580 71   0   1   1   167.2   84.5 30.2        1        0 144
## 4581 4581 52   0   1   0   176.2   74.5 24.0        0        0 118
## 4582 4582 62   0   2   1   169.5   81.4 28.3        1        0 136
## 4583 4583 60   1   3   2   171.9   74.0 25.0        1        0 137
## 4584 4584 71   0   1   1   167.6   92.3 32.9        1        0 142
## 4585 4585 60   1   1   0   175.5   95.5 31.0        0        0 129
## 4586 4586 59   0   1   0   179.6   82.7 25.6        0        1 130
## 4587 4587 57   1   3   0   170.2   72.3 25.0        1        0 132
## 4588 4588 61   1   1   2   170.4   75.6 26.1        1        0 146
## 4589 4589 56   0   3   0   169.8   75.7 26.2        0        1 118
## 4590 4590 69   1   4   1   173.1   94.2 31.4        1        0 131
## 4591 4591 66   1   1   0   171.2   73.6 25.1        1        0 134
## 4592 4592 63   1   3   0   175.3   70.2 22.8        0        0 122
## 4593 4593 60   1   1   0   154.2   80.1 33.7        0        0 130
## 4594 4594 70   1   1   1   170.8   89.9 30.8        0        0 129
## 4595 4595 62   1   1   0   172.8   85.1 28.5        1        1 135
## 4596 4596 62   0   3   0   165.4   76.1 27.8        0        0 125
## 4597 4597 64   0   1   2   164.9   86.4 31.8        1        0 134
## 4598 4598 61   0   1   0   160.8   79.6 30.8        0        1 129
## 4599 4599 64   0   1   0   160.0   76.5 29.9        0        1 129
## 4600 4600 61   1   1   1   165.1   74.1 27.2        1        0 137
## 4601 4601 56   0   1   1   171.5   74.0 25.1        0        0 107
## 4602 4602 56   0   2   0   167.7   76.6 27.2        0        0 129
## 4603 4603 59   0   1   1   171.1   91.5 31.2        0        0 129
## 4604 4604 60   0   3   0   181.1   74.9 22.9        0        0 129
## 4605 4605 67   1   1   1   174.8   74.8 24.5        1        0 142
## 4606 4606 57   0   1   0   167.6   82.0 29.2        0        0 118
## 4607 4607 59   1   3   0   171.2   70.6 24.1        1        1 143
## 4608 4608 63   1   3   0   165.9   84.0 30.5        0        0 121
## 4609 4609 62   1   1   0   170.4   84.1 28.9        1        0 139
## 4610 4610 65   1   1   0   168.9   79.0 27.7        0        0 126
## 4611 4611 58   0   4   2   159.7   73.1 28.6        0        0 125
## 4612 4612 67   1   1   0   175.7   88.6 28.7        1        0 132
## 4613 4613 71   1   3   0   179.8   86.5 26.8        1        0 133
## 4614 4614 59   0   3   0   176.9   83.4 26.6        0        1 121
## 4615 4615 65   0   2   1   168.3   80.0 28.2        1        0 137
## 4616 4616 67   1   1   2   172.5   81.9 27.5        1        0 133
## 4617 4617 57   0   1   0   171.8   79.6 27.0        0        1 126
## 4618 4618 67   0   3   0   171.5   88.5 30.1        1        0 134
```

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## 4619 4619 63     1     1     0   168.4   68.5 24.2          1          0 138
## 4620 4620 66     0     4     0   165.8   72.6 26.4          1          0 139
## 4621 4621 63     0     1     0   175.0   80.6 26.3          1          0 135
## 4622 4622 63     1     3     2   176.8   68.8 22.0          1          1 132
## 4623 4623 50     1     1     0   161.1   74.5 28.7          1          0 133
## 4624 4624 60     1     1     2   168.2   76.4 27.0          1          0 134
## 4625 4625 64     0     1     1   166.2   86.7 31.4          1          0 138
## 4626 4626 61     0     3     1   170.8   80.0 27.4          0          1 122
## 4627 4627 61     1     1     2   169.2   85.9 30.0          1          0 134
## 4628 4628 61     1     1     1   162.9   72.6 27.4          1          0 134
## 4629 4629 65     0     1     2   184.3   85.3 25.1          1          1 134
## 4630 4630 62     0     1     0   175.2   83.1 27.1          0          1 124
## 4631 4631 63     1     1     0   171.3   85.5 29.1          0          0 125
## 4632 4632 60     0     1     0   168.8   81.6 28.6          0          0 124
## 4633 4633 54     1     1     1   179.5   97.9 30.4          0          0 114
## 4634 4634 61     1     2     2   175.4   84.3 27.4          0          0 126
## 4635 4635 60     1     3     0   171.8   82.6 28.0          0          0 123
## 4636 4636 61     1     1     1   167.2   76.6 27.4          1          0 132
## 4637 4637 62     0     3     0   162.6   78.1 29.5          0          0 122
## 4638 4638 57     1     1     0   176.0   77.8 25.1          0          0 119
## 4639 4639 57     0     1     0   177.9   87.3 27.6          0          0 124
## 4640 4640 54     1     2     0   174.0   94.2 31.1          0          0 129
## 4641 4641 53     1     3     2   173.7   83.7 27.7          0          0 127
## 4642 4642 58     0     1     0   164.3   87.4 32.4          1          0 134
## 4643 4643 49     0     3     1   168.4   81.5 28.8          0          0 130
## 4644 4644 64     0     1     0   168.2   81.6 28.8          1          0 140
## 4645 4645 55     0     4     0   173.3   76.8 25.6          1          0 136
## 4646 4646 55     1     1     1   178.1   82.8 26.1          1          0 136
## 4647 4647 70     1     3     0   176.8   73.6 23.6          1          1 144
## 4648 4648 57     0     1     1   178.0   86.4 27.3          1          0 135
## 4649 4649 56     0     3     0   173.6   79.5 26.4          0          0 117
## 4650 4650 63     1     4     0   169.5   84.2 29.3          1          0 131
## 4651 4651 69     1     1     1   179.2   81.6 25.4          1          0 141
## 4652 4652 62     0     1     1   174.5   83.8 27.5          0          0 128
## 4653 4653 64     1     2     0   169.7   85.7 29.7          1          0 134
## 4654 4654 58     0     1     0   175.2   76.6 25.0          0          0 125
## 4655 4655 53     1     3     0   173.0   68.1 22.7          1          0 138
## 4656 4656 63     0     3     0   171.3   65.7 22.4          0          0 124
## 4657 4657 63     1     3     0   167.9   65.9 23.4          1          0 140
## 4658 4658 66     1     1     1   173.6   75.0 24.9          1          0 133
## 4659 4659 61     1     4     0   162.8   80.6 30.4          1          0 140
## 4660 4660 55     0     1     1   176.5   71.1 22.8          1          0 132
## 4661 4661 63     0     1     0   170.9   72.9 24.9          1          0 138
## 4662 4662 55     0     1     2   163.7   69.5 25.9          0          0 130
## 4663 4663 61     1     3     1   171.5   79.4 27.0          1          0 136
## 4664 4664 57     1     1     0   164.1   85.7 31.8          1          1 133
## 4665 4665 49     1     1     2   169.8   80.0 27.7          0          0 120
## 4666 4666 63     1     1     0   164.4   73.5 27.2          0          0 128
## 4667 4667 67     1     3     0   174.2   95.5 31.5          1          0 133
## 4668 4668 65     0     1     1   189.1   87.5 24.5          1          0 137
## 4669 4669 58     0     1     0   171.9   72.1 24.4          0          0 125
## 4670 4670 64     1     1     0   167.4   88.2 31.5          1          0 139
## 4671 4671 60     0     3     0   159.0   79.9 31.6          1          0 131
## 4672 4672 58     0     3     2   177.6   79.6 25.3          0          0 129
```

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## 4673 4673  55     0     3     1  170.5    81.3 28.0        0        0 114
## 4674 4674  60     0     1     1  164.1    83.2 30.9        1        0 133
## 4675 4675  66     1     1     0  175.2    90.1 29.3        0        0 122
## 4676 4676  59     1     1     0  172.0    78.8 26.6        0        0 125
## 4677 4677  53     1     1     0  171.9    66.9 22.7        1        0 133
## 4678 4678  64     0     4     1  166.9    81.9 29.4        1        0 132
## 4679 4679  52     0     3     1  175.6    85.2 27.6        0        0 125
## 4680 4680  63     1     1     1  172.3    80.3 27.1        1        0 135
## 4681 4681  57     1     1     0  171.9    86.5 29.3        1        1 132
## 4682 4682  57     0     1     0  168.6    83.1 29.3        0        0 126
## 4683 4683  58     0     1     1  165.3    64.5 23.6        0        0 121
## 4684 4684  60     0     1     0  172.8    78.4 26.3        1        0 131
## 4685 4685  68     0     3     1  167.9    79.8 28.3        1        0 152
## 4686 4686  56     0     1     0  175.5    85.7 27.8        0        0 128
## 4687 4687  60     0     1     0  167.6    90.6 32.3        0        0 123
## 4688 4688  63     1     2     0  174.8    86.3 28.3        0        1 127
## 4689 4689  60     0     1     0  167.4    80.6 28.8        1        0 147
## 4690 4690  63     1     1     0  168.4    77.7 27.4        1        1 135
## 4691 4691  56     0     1     2  164.9    73.2 26.9        0        0 130
## 4692 4692  57     1     1     1  178.3    78.9 24.8        0        0 123
## 4693 4693  58     0     1     0  173.3    87.7 29.2        1        0 135
## 4694 4694  59     1     1     0  163.0    73.7 27.8        1        0 133
## 4695 4695  63     1     4     0  165.2    76.3 27.9        0        0 123
## 4696 4696  59     1     1     1  177.9    77.5 24.5        0        0 118
## 4697 4697  60     1     3     0  170.3    88.5 30.5        0        0 127
## 4698 4698  53     1     4     2  167.6    79.8 28.4        0        0 117
## 4699 4699  56     0     1     0  172.1    72.4 24.4        0        0 127
## 4700 4700  56     1     2     1  169.9    75.4 26.1        1        0 140
## 4701 4701  61     0     1     0  171.2    83.2 28.4        0        1 130
## 4702 4702  52     1     1     0  163.4    81.5 30.5        1        0 131
## 4703 4703  59     0     4     0  167.4    84.4 30.1        1        0 145
## 4704 4704  57     1     4     0  181.3    81.7 24.9        1        0 132
## 4705 4705  56     1     1     0  169.4    83.8 29.2        1        0 141
## 4706 4706  57     1     1     0  179.9    85.5 26.4        0        0 120
## 4707 4707  67     0     4     0  167.0    68.9 24.7        0        0 130
## 4708 4708  65     0     3     0  158.2    67.3 26.9        0        0 129
## 4709 4709  56     0     4     0  156.4    72.0 29.4        1        0 141
## 4710 4710  58     0     1     2  165.8    75.7 27.5        1        0 132
## 4711 4711  58     1     4     0  167.6    75.5 26.9        1        0 134
## 4712 4712  71     1     3     1  175.4    81.7 26.6        0        0 127
## 4713 4713  67     1     1     1  163.9    84.4 31.4        1        0 150
## 4714 4714  57     0     1     0  167.5    74.2 26.4        0        0 119
## 4715 4715  60     1     1     0  169.4    70.6 24.6        1        0 134
## 4716 4716  57     0     3     2  172.3    74.0 24.9        1        1 132
## 4717 4717  64     0     1     2  170.1    89.6 31.0        1        0 142
## 4718 4718  52     0     1     1  164.5    75.3 27.8        0        0 117
## 4719 4719  59     1     1     0  179.2    94.4 29.4        0        0 130
## 4720 4720  71     0     1     0  176.2    85.5 27.6        0        1 130
## 4721 4721  58     0     3     1  170.3    84.6 29.2        0        0 127
## 4722 4722  62     1     1     1  170.4    79.4 27.4        0        0 129
## 4723 4723  51     1     1     1  163.1    74.3 27.9        0        0 111
## 4724 4724  48     0     1     0  158.8    75.4 29.9        0        0 111
## 4725 4725  61     0     1     1  165.8    83.9 30.5        0        0 121
## 4726 4726  68     0     1     0  163.4    64.3 24.1        1        0 150
```

```
## 4727 4727 61   1   1   2  152.7   65.4 28.0          0          0 124
## 4728 4728 67   0   1   2  164.4   81.4 30.1          1          1 131
## 4729 4729 61   1   4   0  180.2   91.4 28.2          0          0 123
## 4730 4730 69   1   1   1  170.3   84.0 29.0          0          0 128
## 4731 4731 66   1   2   0  167.7   78.0 27.7          1          0 144
## 4732 4732 57   1   3   0  165.9   68.1 24.7          1          0 141
## 4733 4733 58   0   1   0  169.4   85.1 29.7          0          0 124
## 4734 4734 66   0   1   1  173.9   77.1 25.5          0          0 125
## 4735 4735 58   0   4   0  173.4   85.6 28.5          1          0 136
## 4736 4736 52   0   1   2  181.7   78.7 23.8          0          0 129
## 4737 4737 58   1   1   0  172.8   72.0 24.1          1          0 133
## 4738 4738 60   1   1   0  182.0   94.0 28.4          0          1 127
## 4739 4739 66   1   2   1  163.0   69.3 26.1          1          0 140
## 4740 4740 63   0   1   2  159.2   80.2 31.6          0          0 130
## 4741 4741 53   1   1   0  182.3   80.2 24.1          0          0 111
## 4742 4742 64   0   1   0  170.7   84.6 29.0          0          0 122
## 4743 4743 60   0   1   0  167.8   74.8 26.6          1          0 132
## 4744 4744 63   0   1   0  168.6   83.5 29.4          1          0 135
## 4745 4745 62   1   1   1  176.0   84.7 27.3          0          0 128
## 4746 4746 58   1   1   2  174.2   84.5 27.8          0          0 122
## 4747 4747 61   0   1   1  166.0   68.3 24.8          1          0 137
## 4748 4748 57   1   1   0  166.4   82.3 29.7          1          0 144
## 4749 4749 57   1   1   0  180.7   94.6 29.0          1          0 131
## 4750 4750 62   1   3   1  166.8   73.8 26.5          0          0 128
## 4751 4751 55   1   1   1  176.9   87.1 27.8          0          0 120
## 4752 4752 60   0   1   1  169.2   84.8 29.6          0          0 124
## 4753 4753 57   1   3   0  169.0   82.3 28.8          0          0 125
## 4754 4754 60   0   1   0  162.8   73.9 27.9          0          0 119
## 4755 4755 52   0   3   0  168.7   79.0 27.7          0          0 129
## 4756 4756 66   1   2   0  156.2   84.9 34.8          1          0 144
## 4757 4757 55   1   3   2  171.9   80.3 27.2          0          0 121
## 4758 4758 59   0   1   1  164.2   85.4 31.7          1          0 133
## 4759 4759 55   0   1   0  174.1   83.6 27.6          1          0 131
## 4760 4760 58   0   1   0  174.5   77.4 25.4          0          0 128
## 4761 4761 64   0   3   2  171.0   87.0 29.8          1          0 131
## 4762 4762 65   1   1   0  163.3   72.9 27.3          1          0 143
## 4763 4763 58   0   4   0  182.0   80.8 24.4          0          0 120
## 4764 4764 59   1   3   0  177.2   87.8 28.0          1          0 137
## 4765 4765 59   0   1   2  173.0   64.9 21.7          0          0 116
## 4766 4766 67   1   1   2  175.2   80.1 26.1          1          0 134
## 4767 4767 56   0   3   2  172.8  103.4 34.6          0          0 127
## 4768 4768 60   1   1   2  173.7   80.0 26.5          1          0 143
## 4769 4769 61   1   1   1  172.4   82.4 27.7          1          0 135
## 4770 4770 69   1   1   0  169.0   73.0 25.6          1          0 153
## 4771 4771 58   0   3   0  179.1   83.6 26.1          0          0 121
## 4772 4772 54   0   1   0  175.2   84.9 27.7          1          0 133
## 4773 4773 62   0   1   0  162.7   70.0 26.4          1          0 137
## 4774 4774 61   0   3   0  164.0   86.6 32.2          0          1 126
## 4775 4775 60   0   1   0  182.4   82.0 24.6          0          0 126
## 4776 4776 57   1   1   0  168.8   79.3 27.8          1          0 135
## 4777 4777 56   1   1   1  166.3   75.4 27.3          0          0 121
## 4778 4778 53   0   3   1  176.6   74.3 23.8          0          0 114
## 4779 4779 57   1   1   1  171.9   79.7 27.0          0          0 125
## 4780 4780 62   1   1   1  170.3   86.3 29.8          1          1 141
```

```
## 4781 4781 63    1    1       0 155.6   85.9 35.5            1        0 132
## 4782 4782 66    1    1       0 176.6   71.1 22.8            0        0 128
## 4783 4783 65    0    3       0 173.3   85.8 28.6            1        0 141
## 4784 4784 66    0    1       0 163.6   75.9 28.4            1        0 132
## 4785 4785 53    1    1       0 171.0   80.1 27.4            0        0 117
## 4786 4786 68    0    4       0 170.2   82.2 28.4            1        0 138
## 4787 4787 64    0    1       2 179.6   86.8 26.9            0        0 121
## 4788 4788 58    0    3       1 155.0   64.3 26.8            0        0 125
## 4789 4789 62    1    1       0 172.3   85.8 28.9            1        1 138
## 4790 4790 71    1    4       1 161.7   86.6 33.1            1        0 143
## 4791 4791 55    0    1       1 168.9   84.4 29.6            1        0 133
## 4792 4792 53    1    1       0 166.6   68.7 24.8            0        0 123
## 4793 4793 61    0    1       1 172.6   84.0 28.2            0        0 123
## 4794 4794 63    0    1       1 174.4   88.1 29.0            1        0 136
## 4795 4795 62    1    1       0 164.3   81.3 30.1            0        0 122
## 4796 4796 59    1    1       1 158.3   65.7 26.2            1        0 133
## 4797 4797 61    1    1       0 164.4   85.7 31.7            0        0 119
## 4798 4798 59    1    1       1 168.8   77.0 27.0            0        0 129
## 4799 4799 66    0    1       0 167.1   85.6 30.6            1        0 139
## 4800 4800 62    0    2       0 170.0   78.6 27.2            1        0 139
## 4801 4801 67    0    1       0 169.0   83.8 29.3            1        1 146
## 4802 4802 62    1    3       0 174.4   84.0 27.6            1        0 138
## 4803 4803 61    1    1       0 176.3   91.7 29.5            0        0 129
## 4804 4804 57    1    1       1 167.2   82.9 29.6            0        0 129
## 4805 4805 58    1    1       0 174.5   78.1 25.7            1        0 137
## 4806 4806 59    1    1       1 166.8   80.8 29.0            0        0 130
## 4807 4807 60    0    1       1 168.4   88.3 31.1            1        0 135
## 4808 4808 60    0    1       1 171.5   83.8 28.5            1        1 134
## 4809 4809 61    0    4       0 176.7   77.8 24.9            0        1 120
## 4810 4810 52    0    1       0 168.1   80.4 28.4            0        0 112
## 4811 4811 59    0    1       0 172.4   82.8 27.9            0        0 122
## 4812 4812 53    0    4       0 173.9   76.4 25.2            0        0 104
## 4813 4813 65    0    1       1 167.5   86.7 30.9            0        1 127
## 4814 4814 59    1    1       1 167.1   88.7 31.8            0        0 117
## 4815 4815 61    1    1       0 179.3   86.0 26.8            0        1 121
## 4816 4816 60    0    3       1 172.0   96.2 32.5            1        0 140
## 4817 4817 63    1    1       2 177.2   91.1 29.0            1        0 138
## 4818 4818 65    1    1       2 173.8   79.2 26.2            0        0 130
## 4819 4819 54    1    2       0 160.8   83.2 32.2            0        0 120
## 4820 4820 64    1    1       1 172.3   78.3 26.4            1        0 133
## 4821 4821 55    1    1       0 182.9   84.8 25.3            0        0 123
## 4822 4822 56    1    3       1 169.9   83.3 28.9            0        1 119
## 4823 4823 62    0    3       1 174.3   74.3 24.5            0        0 129
## 4824 4824 64    1    3       0 165.2   77.4 28.4            1        0 137
## 4825 4825 56    1    1       0 171.9   77.6 26.3            1        0 133
## 4826 4826 61    1    1       0 170.7   88.8 30.5            1        0 132
## 4827 4827 65    1    1       0 171.2   91.3 31.2            1        0 146
## 4828 4828 62    0    4       1 156.9   79.3 32.2            0        0 126
## 4829 4829 59    1    1       0 177.2   77.2 24.6            0        0 127
## 4830 4830 60    0    1       1 175.1   83.8 27.3            1        1 133
## 4831 4831 50    1    2       0 170.8   81.8 28.0            0        1 130
## 4832 4832 64    0    1       1 172.2   83.5 28.2            0        0 121
## 4833 4833 62    1    1       0 159.4   67.9 26.7            1        1 135
## 4834 4834 57    1    2       0 182.4   77.5 23.3            0        0 120
```

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## 4835 4835  54    0    1    1  167.9   73.3 26.0        0         1 119
## 4836 4836  59    1    1    0  167.5   83.5 29.8        0         1 130
## 4837 4837  56    0    1    0  171.2   87.7 29.9        0         0 123
## 4838 4838  59    0    1    1  170.5   79.8 27.4        0         0 127
## 4839 4839  57    1    1    0  172.8   73.8 24.7        0         0 108
## 4840 4840  54    0    1    0  167.9   75.1 26.7        0         0 127
## 4841 4841  56    0    1    0  170.6   75.9 26.1        0         0 130
## 4842 4842  67    0    2    1  165.1   79.5 29.2        1         0 144
## 4843 4843  57    1    4    2  172.5   83.0 27.9        1         0 137
## 4844 4844  57    1    3    0  185.6   91.6 26.6        1         0 132
## 4845 4845  59    1    1    0  161.7   80.4 30.8        1         0 132
## 4846 4846  58    1    1    1  172.7   74.5 25.0        0         0 127
## 4847 4847  56    0    4    1  173.7   84.3 27.9        0         0 127
## 4848 4848  59    0    2    1  162.1   78.2 29.8        1         0 132
## 4849 4849  60    0    3    0  173.8   83.9 27.8        0         0 129
## 4850 4850  56    1    1    0  169.5   79.2 27.5        1         0 131
## 4851 4851  59    1    3    0  170.2   79.0 27.3        0         0 123
## 4852 4852  57    1    4    0  171.9   81.5 27.6        1         0 132
## 4853 4853  56    0    4    1  180.3   81.3 25.0        1         0 137
## 4854 4854  56    0    4    0  167.5   74.4 26.5        0         0 128
## 4855 4855  63    0    1    0  165.6   73.0 26.6        0         0 129
## 4856 4856  62    1    1    1  169.2   82.3 28.8        0         0 124
## 4857 4857  54    1    4    0  177.1   84.6 27.0        0         0 118
## 4858 4858  64    0    1    0  169.3   74.1 25.9        0         1 128
## 4859 4859  58    1    1    1  168.3   78.0 27.5        1         0 136
## 4860 4860  62    1    4    1  163.7   77.8 29.0        1         0 139
## 4861 4861  55    1    3    0  169.2   66.7 23.3        0         1 124
## 4862 4862  63    1    1    2  174.4   91.0 29.9        1         0 131
## 4863 4863  60    1    1    1  165.1   80.9 29.7        0         0 124
## 4864 4864  57    1    3    1  170.1   88.4 30.5        0         0 130
## 4865 4865  61    1    1    1  178.1   84.5 26.7        0         0 122
## 4866 4866  65    0    1    0  169.3   71.8 25.1        1         0 136
## 4867 4867  50    1    1    0  175.6   89.4 29.0        0         0 115
## 4868 4868  54    0    1    0  175.5   71.3 23.2        0         1 122
## 4869 4869  63    0    1    2  162.3   73.2 27.8        1         0 133
## 4870 4870  60    1    4    0  162.6   78.1 29.5        0         0 128
## 4871 4871  66    1    1    0  165.4   80.5 29.4        1         0 137
## 4872 4872  60    0    3    0  168.6   80.0 28.1        0         0 129
## 4873 4873  62    1    4    0  164.8   76.4 28.1        0         0 126
## 4874 4874  63    0    1    0  172.3   76.0 25.6        1         0 141
## 4875 4875  58    0    1    2  170.3   88.0 30.4        0         0 126
## 4876 4876  57    0    1    0  162.0   79.1 30.1        0         0 123
## 4877 4877  63    0    1    1  160.7   74.9 29.0        0         0 130
## 4878 4878  54    0    1    0  171.4   69.2 23.5        0         0 113
## 4879 4879  59    1    1    0  183.1   90.7 27.0        0         1 121
## 4880 4880  58    1    1    0  170.6   81.5 28.0        1         0 131
## 4881 4881  52    1    1    1  173.6   91.6 30.4        0         1 117
## 4882 4882  59    0    1    1  165.0   86.1 31.6        0         0 125
## 4883 4883  61    0    1    0  168.0   87.8 31.1        1         0 145
## 4884 4884  58    1    1    0  169.3   79.6 27.8        1         0 149
## 4885 4885  58    1    1    0  173.0   79.4 26.5        0         0 128
## 4886 4886  67    1    1    0  174.7   96.2 31.5        1         0 152
## 4887 4887  56    0    3    1  177.5   75.6 24.0        0         0 115
## 4888 4888  59    0    1    0  164.2   87.8 32.6        0         0 120
```

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## 4889 4889  60    0    1     0  161.5   72.2 27.7            0        0 123
## 4890 4890  61    0    4     1  171.3   78.0 26.6            0        0 123
## 4891 4891  53    1    1     0  174.6   83.3 27.3            0        0 120
## 4892 4892  58    0    2     0  165.8   88.2 32.1            0        0 124
## 4893 4893  60    0    1     1  184.9   85.5 25.0            0        0 116
## 4894 4894  67    0    1     0  174.7   80.0 26.2            1        0 143
## 4895 4895  57    0    3     2  170.6   83.2 28.6            1        0 131
## 4896 4896  61    0    1     1  173.7   69.8 23.1            0        0 119
## 4897 4897  61    0    3     0  175.9   82.2 26.6            1        1 142
## 4898 4898  60    0    1     0  170.7   75.3 25.9            1        0 137
## 4899 4899  59    0    4     0  165.9   88.5 32.2            1        0 132
## 4900 4900  56    0    4     1  178.7   82.1 25.7            0        0 128
## 4901 4901  56    1    1     1  169.6   69.1 24.0            0        0 124
## 4902 4902  68    1    1     1  163.9   83.0 30.9            1        1 133
## 4903 4903  60    0    1     0  171.7   87.8 29.8            1        1 136
## 4904 4904  64    0    1     0  165.3   75.8 27.8            1        0 134
## 4905 4905  53    1    1     1  165.8   86.4 31.4            0        0 124
## 4906 4906  60    1    1     1  172.8   83.3 27.9            1        1 133
## 4907 4907  55    0    3     0  163.5   79.1 29.6            0        0 126
## 4908 4908  59    0    1     1  170.0   82.5 28.6            1        0 139
## 4909 4909  59    0    1     2  166.8   74.6 26.8            1        0 131
## 4910 4910  62    0    1     0  169.3   75.2 26.2            0        1 130
## 4911 4911  52    1    1     0  171.2   78.7 26.9            0        0 116
## 4912 4912  61    0    1     0  164.2   79.4 29.5            0        1 129
## 4913 4913  63    1    1     0  169.0   75.3 26.4            0        1 125
## 4914 4914  62    1    1     0  172.2   84.0 28.3            1        0 143
## 4915 4915  56    0    1     0  171.3   92.4 31.5            1        0 134
## 4916 4916  59    1    1     0  174.4   85.4 28.1            1        0 134
## 4917 4917  55    0    1     1  177.4   82.9 26.3            0        1 124
## 4918 4918  60    0    1     1  170.8   87.8 30.1            1        0 144
## 4919 4919  61    1    3     0  181.0   89.5 27.3            1        0 138
## 4920 4920  61    1    4     1  180.6   89.1 27.3            1        0 144
## 4921 4921  61    0    3     1  171.6   81.7 27.7            1        0 141
## 4922 4922  64    0    1     1  168.4   83.9 29.6            0        0 129
## 4923 4923  62    1    2     0  178.2   75.5 23.8            0        0 124
## 4924 4924  62    0    1     0  163.8   84.6 31.5            1        1 134
## 4925 4925  65    1    1     0  170.7   90.1 30.9            1        0 140
## 4926 4926  64    1    1     0  167.2   83.9 30.0            1        0 138
## 4927 4927  60    1    1     0  174.9   85.9 28.1            0        0 124
## 4928 4928  55    0    1     1  165.6   82.7 30.1            1        0 134
## 4929 4929  64    1    1     0  163.3   69.7 26.1            1        0 144
## 4930 4930  48    1    1     0  169.1   85.2 29.8            0        1 116
## 4931 4931  69    0    3     0  175.9   84.1 27.2            1        0 137
## 4932 4932  53    1    1     0  168.8   77.6 27.2            0        1 116
## 4933 4933  63    1    1     0  177.4   84.1 26.7            0        0 125
## 4934 4934  57    0    3     1  173.2   81.8 27.3            0        0 124
## 4935 4935  62    1    2     0  165.6   74.0 27.0            0        0 128
## 4936 4936  67    0    3     0  171.6   84.5 28.7            1        0 141
## 4937 4937  51    0    1     0  171.2   81.2 27.7            0        0 130
## 4938 4938  59    1    3     0  170.8   80.7 27.7            0        0 125
## 4939 4939  62    0    1     1  168.1   78.8 27.9            0        0 127
## 4940 4940  59    1    1     0  164.3   76.1 28.2            0        0 122
## 4941 4941  59    0    1     1  164.9   75.6 27.8            0        0 125
## 4942 4942  61    0    1     0  168.2   73.5 26.0            1        0 134
```

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## 4943 4943 70   0   3   0   164.0   85.2 31.7          1          0 136
## 4944 4944 70   1   1   0   170.5   80.0 27.5          1          0 143
## 4945 4945 61   1   1   0   174.4   86.1 28.3          1          0 137
## 4946 4946 59   0   1   1   177.2   88.8 28.3          0          0 122
## 4947 4947 57   0   1   1   170.9   73.8 25.3          0          0 129
## 4948 4948 57   1   3   1   169.1   79.4 27.8          0          0 126
## 4949 4949 52   0   1   1   167.4   77.1 27.5          0          0 112
## 4950 4950 69   1   1   1   170.2   81.4 28.1          0          0 119
## 4951 4951 58   0   1   0   167.3   78.8 28.2          0          0 123
## 4952 4952 55   0   1   1   161.9   80.1 30.5          0          0 126
## 4953 4953 65   0   1   2   173.5   87.1 29.0          0          0 130
## 4954 4954 62   0   1   0   181.4   82.7 25.2          0          0 128
## 4955 4955 51   0   3   0   169.6   76.0 26.4          0          1 123
## 4956 4956 64   0   1   0   161.7   80.0 30.6          1          0 152
## 4957 4957 62   1   1   0   181.7   73.6 22.3          1          0 138
## 4958 4958 57   1   3   0   181.6   94.8 28.8          0          0 127
## 4959 4959 54   0   1   0   163.6   73.0 27.3          0          0 124
## 4960 4960 53   0   1   1   172.3   88.8 29.9          0          1 122
## 4961 4961 62   1   1   2   172.5   69.1 23.2          0          1 121
## 4962 4962 60   0   3   2   162.0   80.5 30.7          0          0 122
## 4963 4963 63   0   1   0   179.5   85.3 26.5          1          0 133
## 4964 4964 58   1   1   0   176.3   82.1 26.4          0          1 121
## 4965 4965 67   0   4   1   174.6   72.3 23.7          1          0 152
## 4966 4966 55   1   1   2   163.4   85.2 31.9          0          0 127
## 4967 4967 58   1   1   1   167.3   91.7 32.7          0          0 123
## 4968 4968 64   1   2   0   170.5   82.6 28.4          1          1 132
## 4969 4969 65   1   3   0   161.1   84.3 32.5          1          0 133
## 4970 4970 60   0   1   2   173.4   89.4 29.7          0          0 122
## 4971 4971 61   0   3   1   166.7   72.7 26.2          0          0 130
## 4972 4972 56   0   1   1   171.4   64.7 22.0          0          1 110
## 4973 4973 61   0   1   1   161.3   77.9 29.9          1          0 135
## 4974 4974 68   1   1   2   157.7   78.9 31.7          1          0 150
## 4975 4975 61   0   3   2   177.0   86.7 27.7          0          0 128
## 4976 4976 62   1   1   0   161.9   72.5 27.7          0          0 128
## 4977 4977 63   1   1   0   156.3   89.0 36.4          1          1 134
## 4978 4978 68   1   3   0   171.2   87.3 29.8          1          0 143
## 4979 4979 62   1   1   0   166.3   77.9 28.2          0          0 122
## 4980 4980 62   1   1   1   174.1   79.9 26.4          1          0 141
## 4981 4981 61   1   1   0   170.0   78.5 27.2          0          1 114
## 4982 4982 63   1   1   0   163.0   71.3 26.9          1          0 136
## 4983 4983 61   1   1   1   168.0   67.2 23.8          1          0 132
## 4984 4984 56   0   2   1   167.7   84.2 29.9          0          0 120
## 4985 4985 59   0   1   0   171.2   87.4 29.8          1          1 138
## 4986 4986 61   0   4   0   171.2   76.1 26.0          0          0 127
## 4987 4987 63   0   1   1   174.6   84.7 27.8          1          1 137
## 4988 4988 66   0   1   1   176.4   80.6 25.9          0          1 121
## 4989 4989 55   0   1   2   167.4   73.8 26.3          0          0 130
## 4990 4990 54   1   1   0   170.7   75.5 25.9          0          0 127
## 4991 4991 68   1   4   0   165.3   87.2 31.9          0          0 130
## 4992 4992 67   0   3   0   173.9   83.5 27.6          1          0 136
## 4993 4993 60   0   1   0   168.3   81.3 28.7          1          0 139
## 4994 4994 57   0   3   1   177.8   90.6 28.7          0          0 130
## 4995 4995 57   1   4   1   165.4   81.9 29.9          1          0 143
## 4996 4996 59   0   1   2   166.1   66.5 24.1          1          0 132
```

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## 4997 4997 57   0   4   1 165.9  99.3 36.1        1        0 136
## 4998 4998 68   1   1   1 167.8  80.2 28.5        0        0 128
## 4999 4999 54   1   3   2 173.4  80.6 26.8        0        1 123
## 5000 5000 62   1   3   2 168.7  81.0 28.4        1        0 136
## 5001 5001 60   0   1   1 175.1  88.5 28.9        0        0 123
## 5002 5002 58   0   1   0 173.5  79.0 26.2        0        0 116
## 5003 5003 57   0   1   1 166.1  71.9 26.1        1        0 140
## 5004 5004 60   1   1   0 168.9  83.7 29.3        1        0 137
## 5005 5005 57   1   1   0 166.5  80.9 29.2        1        0 139
## 5006 5006 59   0   1   1 172.5  82.7 27.8        0        0 123
## 5007 5007 64   0   1   0 169.0  84.8 29.7        0        0 130
## 5008 5008 59   1   1   0 172.2  74.3 25.1        0        0 121
## 5009 5009 57   0   1   0 172.4  85.4 28.8        0        0 126
## 5010 5010 58   0   1   1 169.3  80.3 28.0        0        1 128
## 5011 5011 64   0   1   0 172.8  69.9 23.4        1        1 135
## 5012 5012 62   1   1   1 172.3  85.0 28.6        0        0 124
## 5013 5013 57   0   2   1 170.3  70.5 24.3        0        0 113
## 5014 5014 61   1   1   0 178.3  85.3 26.8        0        1 129
## 5015 5015 60   1   1   0 169.0  81.0 28.3        1        0 140
## 5016 5016 60   0   3   0 184.0  80.6 23.8        0        0 116
## 5017 5017 59   1   4   1 165.1  80.9 29.7        0        0 113
## 5018 5018 62   0   1   0 172.6  81.9 27.5        0        0 124
## 5019 5019 62   1   3   1 168.5  79.9 28.1        1        0 138
## 5020 5020 55   1   3   1 176.1  78.8 25.4        0        0 129
## 5021 5021 55   1   1   0 163.7  90.4 33.8        0        0 127
## 5022 5022 57   1   1   2 167.9  74.7 26.5        0        0 124
## 5023 5023 52   1   1   0 167.2  82.9 29.7        0        0 125
## 5024 5024 57   0   1   1 170.1  78.6 27.1        1        0 132
## 5025 5025 56   1   4   1 168.9  72.3 25.3        1        0 131
## 5026 5026 54   0   4   1 163.8  57.9 21.6        0        0 118
## 5027 5027 61   0   4   1 167.7  86.1 30.6        0        1 125
## 5028 5028 60   1   1   0 172.2  75.1 25.3        1        0 135
## 5029 5029 57   1   2   0 168.6  83.7 29.4        1        0 137
## 5030 5030 60   1   3   0 174.3  72.7 23.9        1        0 138
## 5031 5031 55   1   1   1 167.1  92.7 33.2        0        0 128
## 5032 5032 54   0   1   0 176.5  87.6 28.1        0        0 124
## 5033 5033 62   1   1   1 168.7  88.9 31.3        0        0 124
## 5034 5034 61   0   3   1 168.1  89.2 31.6        0        1 123
## 5035 5035 51   1   1   0 184.0  81.0 23.9        0        1 129
## 5036 5036 60   0   1   2 164.2  83.3 30.9        0        1 129
## 5037 5037 56   1   2   0 168.6  72.3 25.4        0        0 119
## 5038 5038 61   0   4   1 161.4  72.6 27.9        1        0 133
## 5039 5039 63   1   1   0 165.0  78.0 28.7        1        0 138
## 5040 5040 63   1   1   0 171.6  70.0 23.8        1        0 141
## 5041 5041 66   1   1   1 167.9  64.6 22.9        0        0 123
## 5042 5042 55   0   1   0 173.8  86.4 28.6        0        0 121
## 5043 5043 62   0   1   1 170.8  79.6 27.3        0        0 119
## 5044 5044 58   1   1   0 180.8  70.9 21.7        1        1 131
## 5045 5045 52   0   1   0 162.3  87.8 33.3        0        0 130
## 5046 5046 62   0   3   0 165.6  84.3 30.8        0        0 128
## 5047 5047 67   1   1   0 177.7  81.3 25.7        1        0 141
## 5048 5048 58   0   1   0 177.5  70.3 22.3        1        0 134
## 5049 5049 59   1   1   1 164.5  74.9 27.7        0        0 119
## 5050 5050 67   0   1   0 176.9  92.9 29.7        1        0 139
```

```
## 5051 5051   57   1   3    0   165.6   80.6 29.4     0     0 123
## 5052 5052   63   1   4    0   180.7   74.3 22.8     0     0 118
## 5053 5053   58   1   1    1   162.3   83.6 31.7     1     1 136
## 5054 5054   56   0   1    0   174.8   73.8 24.2     0     1 122
## 5055 5055   59   1   4    2   171.2   84.2 28.7     0     0 128
## 5056 5056   58   1   1    0   170.6   81.6 28.0     0     0 126
## 5057 5057   59   0   1    0   161.5   80.9 31.0     1     0 132
## 5058 5058   59   0   1    1   178.8   85.2 26.6     0     0 128
## 5059 5059   59   1   1    1   166.1   82.9 30.0     0     0 130
## 5060 5060   61   1   3    0   163.4   77.5 29.0     1     0 144
## 5061 5061   62   1   1    0   176.1   91.9 29.6     1     0 132
## 5062 5062   68   1   1    0   176.8   79.6 25.5     1     0 139
## 5063 5063   59   1   1    2   173.6   84.8 28.1     1     1 134
## 5064 5064   58   0   3    1   164.7   74.7 27.5     0     0 130
## 5065 5065   62   1   1    0   170.7   66.5 22.8     1     0 133
## 5066 5066   59   0   1    1   165.4   88.0 32.2     0     1 124
## 5067 5067   56   1   1    0   163.7   73.9 27.6     1     0 141
## 5068 5068   60   0   3    0   165.1   84.4 31.0     0     0 126
## 5069 5069   61   0   1    0   165.1   69.2 25.4     0     0 116
## 5070 5070   56   1   1    0   171.9   89.1 30.2     0     0 117
## 5071 5071   69   1   1    2   166.6   78.5 28.3     1     0 145
## 5072 5072   65   0   3    1   169.2   99.0 34.6     0     0 124
## 5073 5073   63   1   1    0   174.7   86.7 28.4     0     1 129
## 5074 5074   52   1   2    0   169.4   76.8 26.7     0     0 122
## 5075 5075   62   1   1    0   171.2   78.6 26.8     0     0 126
## 5076 5076   59   0   1    1   163.5   69.4 26.0     1     0 134
## 5077 5077   59   1   1    2   167.1   69.9 25.0     0     0 121
## 5078 5078   61   0   1    2   164.9   83.1 30.6     1     0 135
## 5079 5079   70   1   2    0   178.3   94.9 29.9     1     1 131
## 5080 5080   58   0   4    0   186.1   81.4 23.5     0     1 126
## 5081 5081   60   1   3    1   166.8   72.7 26.1     0     0 130
## 5082 5082   54   1   1    0   171.5   82.3 28.0     0     1 123
## 5083 5083   60   0   1    2   171.5   79.0 26.9     0     0 128
## 5084 5084   65   1   3    1   171.1   72.5 24.8     1     0 141
## 5085 5085   64   1   4    1   164.0   83.6 31.1     1     0 138
## 5086 5086   56   0   1    0   166.2   73.7 26.7     0     0 127
## 5087 5087   66   0   1    2   171.6   75.2 25.5     1     0 141
## 5088 5088   61   0   1    1   185.1   81.4 23.8     1     0 131
## 5089 5089   64   1   1    1   158.5   74.3 29.6     0     0 126
## 5090 5090   50   1   1    0   167.6   65.3 23.3     0     0 127
## 5091 5091   62   0   1    0   169.8   76.2 26.4     0     0 123
## 5092 5092   58   0   1    0   173.3   76.2 25.4     0     0 117
## 5093 5093   56   1   1    0   176.9   92.5 29.6     1     0 137
## 5094 5094   61   0   2    2   168.2   85.1 30.1     0     0 127
## 5095 5095   55   1   1    2   183.8   97.8 29.0     0     0 121
## 5096 5096   54   1   1    1   173.4   81.4 27.1     0     0 128
## 5097 5097   67   0   2    0   171.0   76.3 26.1     1     0 132
## 5098 5098   51   0   3    0   175.6   79.5 25.8     0     0 126
## 5099 5099   53   0   1    0   161.2   83.7 32.2     0     0 112
## 5100 5100   58   0   1    0   170.5   87.8 30.2     0     1 128
## 5101 5101   57   0   1    1   172.0   77.8 26.3     1     0 131
## 5102 5102   62   0   1    0   163.9   83.5 31.1     1     0 139
## 5103 5103   54   0   1    1   173.3   80.1 26.7     0     0 122
## 5104 5104   59   1   2    1   172.6   73.3 24.6     0     0 130
```

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## 5105 5105 66    1    1    1 168.4  77.6 27.4              1         1 137
## 5106 5106 64    1    1    0 168.2  72.2 25.5              1         1 144
## 5107 5107 65    1    4    0 184.5  82.7 24.3              1         0 137
## 5108 5108 60    1    1    0 178.4  95.0 29.8              1         0 140
## 5109 5109 59    1    1    0 163.2  86.2 32.4              0         0 129
## 5110 5110 60    1    1    1 168.2  92.3 32.6              1         0 143
## 5111 5111 65    0    1    1 160.7  71.1 27.6              1         0 135
## 5112 5112 62    0    3    0 164.4  75.2 27.8              0         0 125
## 5113 5113 58    1    3    1 173.8  90.1 29.8              0         0 112
## 5114 5114 63    1    2    0 169.6  82.0 28.5              1         0 145
## 5115 5115 60    0    1    0 168.9  82.4 28.9              1         0 142
## 5116 5116 65    1    1    0 172.6  83.3 27.9              1         1 136
## 5117 5117 62    0    1    0 161.3  72.2 27.7              1         1 131
## 5118 5118 56    0    1    0 174.1  89.9 29.7              0         0 121
## 5119 5119 59    1    4    2 171.1  74.8 25.5              0         0 123
## 5120 5120 66    1    4    1 169.4  82.7 28.8              1         0 132
## 5121 5121 63    1    1    0 173.1  74.9 25.0              1         0 132
## 5122 5122 64    1    3    1 166.0  84.5 30.7              1         0 132
## 5123 5123 57    0    1    0 160.4  82.1 31.9              0         0 130
## 5124 5124 58    1    3    1 164.3  69.5 25.8              1         0 135
## 5125 5125 56    1    1    1 179.0  77.6 24.2              1         0 139
## 5126 5126 63    0    1    0 173.1  92.3 30.8              1         1 141
## 5127 5127 51    0    1    0 171.5  80.4 27.4              0         0 125
## 5128 5128 62    1    3    2 162.1  72.3 27.5              0         0 128
## 5129 5129 62    0    4    1 169.5  78.2 27.2              1         0 139
## 5130 5130 61    0    3    2 171.4  79.2 27.0              0         0 121
## 5131 5131 57    1    1    1 156.5  85.4 34.9              1         0 132
## 5132 5132 68    0    1    1 173.7  77.5 25.7              1         0 140
## 5133 5133 61    0    1    1 167.8  75.0 26.6              1         0 134
## 5134 5134 61    1    1    1 171.7  76.0 25.8              1         0 135
## 5135 5135 60    0    1    0 167.7  78.3 27.8              1         0 142
## 5136 5136 65    1    1    0 169.8  74.5 25.9              0         0 123
## 5137 5137 68    0    1    0 173.5  77.4 25.7              0         0 130
## 5138 5138 65    1    3    0 166.9  84.0 30.2              1         0 136
## 5139 5139 63    1    2    1 164.6  74.5 27.5              0         0 126
## 5140 5140 58    1    3    1 160.9  71.6 27.7              1         0 149
## 5141 5141 62    1    1    0 171.2  86.0 29.3              1         1 137
## 5142 5142 59    1    4    0 169.8  77.7 27.0              1         0 134
## 5143 5143 57    1    1    0 182.2  83.0 25.0              0         0 117
## 5144 5144 66    0    1    1 172.8  84.3 28.2              0         1 124
## 5145 5145 61    0    1    1 176.1  76.5 24.7              1         0 134
## 5146 5146 62    1    4    2 171.3  69.3 23.6              1         0 139
## 5147 5147 64    0    4    1 181.2  94.1 28.7              0         0 120
## 5148 5148 65    1    1    1 169.0  69.7 24.4              1         0 143
## 5149 5149 64    0    4    0 173.3  88.0 29.3              0         0 126
## 5150 5150 63    0    3    2 162.8  73.9 27.9              1         0 149
## 5151 5151 64    1    1    0 173.6  77.1 25.6              1         0 143
## 5152 5152 65    0    1    0 171.8  76.8 26.0              0         1 128
## 5153 5153 57    0    2    0 174.9  78.7 25.7              1         0 132
## 5154 5154 61    0    1    0 178.3  89.3 28.1              1         0 140
## 5155 5155 60    0    4    0 178.8  85.6 26.8              0         0 127
## 5156 5156 63    1    1    0 167.1  89.4 32.0              1         0 138
## 5157 5157 67    1    1    0 157.0  83.2 33.7              1         0 141
## 5158 5158 61    0    4    0 164.9  70.3 25.8              0         0 130
```

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## 5159 5159  63  1  2  1  177.0  82.8 26.5      1      0 133
## 5160 5160  59  0  2  1  172.3  82.1 27.6      0      1 129
## 5161 5161  61  1  3  1  164.2  84.9 31.5      0      0 128
## 5162 5162  59  0  3  2  168.6  84.6 29.8      0      0 126
## 5163 5163  50  0  1  2  169.2  78.9 27.5      0      1 109
## 5164 5164  55  1  1  0  167.7  90.8 32.3      0      1 123
## 5165 5165  46  0  1  1  171.0  89.7 30.7      0      0 122
## 5166 5166  62  1  4  2  170.8  68.5 23.5      0      1 124
## 5167 5167  65  0  3  0  164.2  69.0 25.6      1      0 139
## 5168 5168  71  0  1  0  167.0  80.8 29.0      1      0 144
## 5169 5169  62  1  1  0  159.4  82.3 32.4      1      0 138
## 5170 5170  60  1  1  0  170.8  78.2 26.8      0      0 125
## 5171 5171  57  1  2  0  175.4  80.5 26.1      0      0 130
## 5172 5172  60  0  1  0  175.1  88.5 28.9      1      1 133
## 5173 5173  59  1  1  0  171.3  78.7 26.8      1      0 134
## 5174 5174  64  0  1  0  165.7  76.5 27.9      1      0 147
## 5175 5175  68  1  1  0  166.7  81.6 29.4      1      0 135
## 5176 5176  59  1  1  0  174.4  81.2 26.7      0      0 128
## 5177 5177  59  0  3  0  166.7  79.7 28.7      1      0 136
## 5178 5178  62  1  1  0  177.5  79.3 25.2      1      0 135
## 5179 5179  65  0  3  0  170.1  95.0 32.8      1      0 136
## 5180 5180  57  1  1  1  165.4  72.7 26.6      0      0 125
## 5181 5181  65  1  1  1  178.8  82.6 25.8      1      0 131
## 5182 5182  50  1  1  1  178.3  77.1 24.3      0      0 118
## 5183 5183  57  0  1  2  167.8  78.4 27.8      0      0 129
## 5184 5184  58  0  1  0  184.2  84.0 24.8      0      0 130
## 5185 5185  48  1  3  0  166.4  75.1 27.1      0      0 110
## 5186 5186  63  1  3  0  160.9  74.8 28.9      0      0 126
## 5187 5187  49  1  1  0  171.2  79.7 27.2      0      0 116
## 5188 5188  58  0  1  0  172.6  87.1 29.2      0      0 128
## 5189 5189  61  0  3  1  170.4  79.5 27.4      1      0 134
## 5190 5190  61  0  1  0  161.6  74.0 28.3      0      0 127
## 5191 5191  61  0  1  1  166.0  86.8 31.5      0      0 127
## 5192 5192  62  1  1  0  169.5  80.5 28.0      1      1 136
## 5193 5193  58  0  1  1  172.5  86.2 29.0      0      0 121
## 5194 5194  68  1  1  1  159.4  85.5 33.7      1      0 140
## 5195 5195  55  0  3  0  177.4  86.4 27.4      0      0 130
## 5196 5196  61  0  3  1  174.2  79.7 26.3      1      0 135
## 5197 5197  60  0  1  0  166.6  69.4 25.0      0      0 126
## 5198 5198  53  0  1  2  163.6  86.3 32.3      0      0 129
## 5199 5199  62  0  1  0  173.7  78.5 26.0      0      0 120
## 5200 5200  57  1  1  0  171.0  88.0 30.1      1      0 142
## 5201 5201  61  1  1  0  165.7  70.0 25.5      0      0 122
## 5202 5202  68  0  1  0  168.3  84.6 29.8      0      0 127
## 5203 5203  53  1  1  0  177.2  73.3 23.3      0      0 126
## 5204 5204  55  1  1  0  163.0  82.0 30.8      0      1 124
## 5205 5205  63  1  1  2  163.8  73.3 27.3      0      0 127
## 5206 5206  59  0  1  0  170.1  67.9 23.5      0      0 124
## 5207 5207  48  0  1  0  172.2  71.7 24.2      0      0 108
## 5208 5208  50  1  3  0  165.7  81.8 29.8      0      0 129
## 5209 5209  60  0  1  0  170.1  83.7 28.9      1      0 136
## 5210 5210  66  0  1  1  170.4  63.5 21.9      1      1 137
## 5211 5211  62  0  1  0  168.4  73.0 25.7      1      0 150
## 5212 5212  59  1  3  0  176.7  74.4 23.8      0      0 128
```

```
## 5213 5213  62   0  4   0  180.2  80.1 24.7        1        0 142
## 5214 5214  52   0  1   1  165.6  84.1 30.7        0        0 128
## 5215 5215  60   0  4   1  175.3  77.7 25.3        1        0 134
## 5216 5216  63   0  3   0  174.3  79.9 26.3        0        0 128
## 5217 5217  68   0  1   1  174.3  78.4 25.8        1        0 148
## 5218 5218  54   0  1   1  166.8  86.1 31.0        1        0 136
## 5219 5219  56   0  1   0  173.9  81.5 27.0        0        0 120
## 5220 5220  60   0  3   0  166.1  74.4 27.0        1        0 135
## 5221 5221  58   1  1   1  173.2  79.5 26.5        0        0 128
## 5222 5222  63   0  1   2  174.0  75.1 24.8        0        1 126
## 5223 5223  58   1  3   0  166.4  87.1 31.4        1        1 132
## 5224 5224  64   0  2   2  164.1  83.9 31.2        1        0 132
## 5225 5225  56   0  1   0  170.4  73.6 25.3        0        0 110
## 5226 5226  57   0  1   1  169.4  81.4 28.3        1        0 137
## 5227 5227  56   1  1   1  168.7  73.5 25.8        1        0 138
## 5228 5228  67   1  1   1  181.0  77.5 23.7        1        0 140
## 5229 5229  55   1  3   0  171.2  66.7 22.7        0        0 128
## 5230 5230  61   1  3   0  167.9  75.6 26.8        0        0 129
## 5231 5231  59   0  1   1  172.9  78.5 26.2        1        0 139
## 5232 5232  62   1  4   1  168.2  81.2 28.7        0        0 127
## 5233 5233  63   0  1   1  171.8  74.0 25.1        1        0 143
## 5234 5234  63   1  4   1  162.3  81.9 31.1        1        0 143
## 5235 5235  55   0  1   0  166.1  79.5 28.8        0        0 126
## 5236 5236  64   0  1   0  167.7  64.7 23.0        1        0 133
## 5237 5237  55   0  1   0  166.6  73.8 26.6        1        0 135
## 5238 5238  60   1  3   1  167.7  84.3 30.0        0        0 127
## 5239 5239  62   1  1   1  167.8  83.1 29.5        1        0 131
## 5240 5240  57   0  4   0  164.0  71.4 26.5        0        0 118
## 5241 5241  66   1  3   0  168.6  75.4 26.5        0        1 126
## 5242 5242  60   1  1   1  169.3  77.5 27.0        1        0 131
## 5243 5243  62   0  1   0  179.1  80.2 25.0        0        0 123
## 5244 5244  67   0  3   0  180.6  78.7 24.1        1        0 134
## 5245 5245  65   1  3   1  174.6  85.6 28.1        1        0 138
## 5246 5246  60   0  1   0  171.5  70.7 24.0        0        0 128
## 5247 5247  60   1  1   2  169.3  92.1 32.1        1        0 133
## 5248 5248  69   0  3   0  170.9  79.1 27.1        1        0 137
## 5249 5249  60   0  1   0  178.4  86.4 27.2        1        0 133
## 5250 5250  67   1  1   2  174.9  89.3 29.2        0        0 123
## 5251 5251  59   1  1   1  165.4  71.6 26.2        1        1 136
## 5252 5252  63   0  1   1  165.8  70.2 25.5        1        1 139
## 5253 5253  58   1  1   0  171.0  77.9 26.6        1        0 133
## 5254 5254  64   0  4   0  168.7  70.4 24.7        0        1 128
## 5255 5255  59   0  1   1  169.3  96.9 33.8        0        0 126
## 5256 5256  61   1  1   1  169.3  72.4 25.2        0        1 126
## 5257 5257  62   1  1   0  176.4  88.1 28.3        1        0 136
## 5258 5258  64   0  1   1  168.7  64.8 22.8        1        1 136
## 5259 5259  58   0  1   0  171.8  83.5 28.3        1        0 131
## 5260 5260  62   1  3   0  161.7  81.2 31.1        1        0 139
## 5261 5261  58   0  3   1  176.0  76.1 24.5        0        0 121
## 5262 5262  58   1  3   1  175.9  71.9 23.3        0        0 116
## 5263 5263  63   1  3   2  162.4  67.5 25.6        0        0 125
## 5264 5264  62   0  1   2  163.6  87.3 32.6        1        0 145
## 5265 5265  66   0  1   1  169.8  85.9 29.8        0        0 126
## 5266 5266  59   0  4   0  157.2  84.8 34.3        0        0 120
```

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## 5267 5267 61      1     1       1 178.7    84.3 26.4          1           0 143
## 5268 5268 64      0     1       0 172.0    76.1 25.7          1           0 134
## 5269 5269 56      1     1       2 161.0    91.4 35.3          0           0 130
## 5270 5270 57      1     1       1 164.0    83.1 30.9          1           1 132
## 5271 5271 61      0     3       0 168.8    87.1 30.6          0           0 121
## 5272 5272 50      0     3       0 171.2    72.8 24.9          0           0 115
## 5273 5273 52      1     1       0 182.1    79.0 23.8          1           0 131
## 5274 5274 58      0     3       0 168.1    81.3 28.8          1           0 136
## 5275 5275 58      1     3       0 169.7    78.1 27.1          0           0 121
## 5276 5276 58      0     1       2 175.5    86.9 28.2          1           1 137
## 5277 5277 67      1     4       0 174.8    77.3 25.3          0           0 129
## 5278 5278 59      1     3       2 170.4    84.9 29.2          1           0 133
## 5279 5279 58      1     3       1 176.6    69.6 22.3          0           0 122
## 5280 5280 58      1     1       0 172.9    75.3 25.2          1           0 140
## 5281 5281 63      1     1       1 164.3    71.1 26.3          0           0 121
## 5282 5282 61      0     3       1 161.9    71.2 27.2          0           0 129
## 5283 5283 60      0     3       0 167.6    81.0 28.8          0           0 121
## 5284 5284 57      1     1       1 163.2    76.5 28.7          0           1 119
## 5285 5285 55      1     1       1 172.7    73.7 24.7          0           0 119
## 5286 5286 57      1     1       0 166.9    78.2 28.1          0           0 121
## 5287 5287 51      1     1       0 165.4    79.9 29.2          0           1 120
## 5288 5288 59      1     1       1 175.1    82.6 26.9          1           1 139
## 5289 5289 58      1     1       1 169.6    85.8 29.8          0           1 114
## 5290 5290 65      1     2       0 166.8    83.9 30.1          1           0 139
## 5291 5291 54      1     3       0 172.6    72.2 24.2          0           0 126
## 5292 5292 62      0     1       0 161.0    72.6 28.0          1           0 134
## 5293 5293 61      1     1       0 169.3    83.1 29.0          1           0 131
## 5294 5294 70      0     3       2 170.1    77.5 26.8          1           1 142
## 5295 5295 60      0     1       0 172.5    73.8 24.8          1           1 135
## 5296 5296 64      0     1       0 179.9    75.8 23.4          1           1 141
## 5297 5297 64      1     3       0 170.4    94.3 32.5          1           0 137
## 5298 5298 67      1     1       0 162.6    73.4 27.8          1           1 131
## 5299 5299 63      1     4       0 165.5    84.5 30.9          0           0 126
## 5300 5300 59      0     2       0 177.1    63.9 20.4          1           0 132
## 5301 5301 65      1     1       0 171.9    86.1 29.2          1           0 135
## 5302 5302 51      0     1       0 168.2    77.8 27.5          0           0 130
## 5303 5303 61      1     3       0 169.2    82.4 28.8          1           0 143
## 5304 5304 65      1     3       1 175.8    73.2 23.7          1           0 143
## 5305 5305 57      1     4       0 173.6    80.7 26.8          0           0 129
## 5306 5306 57      0     2       1 172.5    74.5 25.1          0           1 122
## 5307 5307 63      0     1       0 172.3    73.1 24.6          0           1 128
## 5308 5308 59      1     3       0 169.1    83.1 29.1          1           0 136
## 5309 5309 64      1     1       2 183.4    93.0 27.6          1           0 140
## 5310 5310 58      0     1       0 168.2    87.0 30.7          1           0 146
## 5311 5311 57      0     1       2 173.8    82.7 27.4          1           0 139
## 5312 5312 51      0     2       0 157.6    65.8 26.5          0           0 120
## 5313 5313 58      0     4       0 172.6    71.1 23.9          0           0 126
## 5314 5314 57      1     2       0 172.3    83.6 28.2          0           1 125
## 5315 5315 51      1     1       0 167.1    91.5 32.8          0           0 129
## 5316 5316 56      0     1       0 159.5    84.0 33.0          0           0 116
## 5317 5317 51      0     3       0 159.2    70.9 28.0          0           0 116
## 5318 5318 58      1     1       2 170.6    82.4 28.3          1           0 132
## 5319 5319 46      0     2       1 173.9    64.3 21.2          0           0 119
## 5320 5320 62      0     3       1 171.5    81.9 27.9          1           0 133
```

```
## 5321 5321  66    1    1    1  171.7   77.0 26.1        1        0 133
## 5322 5322  55    0    3    0  177.5   79.9 25.4        0        0 130
## 5323 5323  63    0    3    0  166.5   80.1 28.9        1        0 141
## 5324 5324  57    0    1    0  169.6   75.2 26.2        0        0 126
## 5325 5325  62    1    3    0  171.2   80.8 27.6        1        0 132
## 5326 5326  69    0    1    0  162.7   74.8 28.3        1        0 136
## 5327 5327  69    0    1    1  172.6   87.4 29.4        0        0 128
## 5328 5328  62    1    1    1  169.4   82.7 28.8        0        0 115
## 5329 5329  65    1    4    0  173.1   81.9 27.3        1        0 136
## 5330 5330  58    1    1    0  167.1   80.7 28.9        0        1 121
## 5331 5331  57    1    1    1  172.5   78.2 26.3        0        0 127
## 5332 5332  53    0    4    0  161.1   74.9 28.9        0        0 123
## 5333 5333  57    0    1    0  172.9   85.3 28.5        0        1 125
## 5334 5334  66    0    1    1  171.4   79.5 27.0        1        0 132
## 5335 5335  56    1    1    1  167.1   91.1 32.6        0        1 117
## 5336 5336  61    1    1    0  168.9   88.1 30.9        1        0 149
## 5337 5337  61    1    3    0  168.7   84.7 29.7        1        0 133
## 5338 5338  58    0    4    1  169.1   85.0 29.8        0        0 129
## 5339 5339  60    0    1    0  165.2   65.2 23.9        0        1 126
## 5340 5340  62    0    4    0  174.3   80.8 26.6        0        0 129
## 5341 5341  63    0    3    0  181.7   79.3 24.0        0        0 128
## 5342 5342  57    0    1    0  179.2   84.3 26.2        0        1 122
## 5343 5343  65    1    3    0  175.8   82.6 26.7        1        0 146
## 5344 5344  64    0    1    0  154.3   83.0 34.9        0        0 125
## 5345 5345  54    0    3    0  170.7   83.5 28.6        0        0 126
## 5346 5346  65    1    1    0  182.4   85.6 25.7        1        0 147
## 5347 5347  57    1    1    1  167.4   89.4 31.9        1        0 131
## 5348 5348  59    1    3    1  171.5   79.2 26.9        1        0 132
## 5349 5349  64    1    4    2  161.0   69.1 26.6        0        0 127
## 5350 5350  62    0    1    0  170.9   79.0 27.1        0        0 127
## 5351 5351  59    1    1    1  158.8   71.8 28.5        0        0 123
## 5352 5352  58    0    4    1  166.4   84.8 30.6        1        0 133
## 5353 5353  64    1    1    0  175.0   86.2 28.2        1        1 141
## 5354 5354  60    1    1    1  177.0   79.1 25.2        0        0 125
## 5355 5355  59    0    1    0  164.7   84.5 31.1        0        0 120
## 5356 5356  65    0    4    1  168.6   90.9 32.0        1        0 135
## 5357 5357  63    1    1    0  169.0   75.1 26.3        1        0 131
## 5358 5358  55    0    1    1  166.9   71.7 25.7        1        0 137
## 5359 5359  55    1    1    0  165.9   90.1 32.7        0        1 127
## 5360 5360  56    1    1    0  175.2   90.9 29.6        0        0 130
## 5361 5361  69    0    2    1  173.8   70.9 23.5        1        0 152
## 5362 5362  66    0    3    0  174.1   74.4 24.5        0        0 129
## 5363 5363  60    0    3    0  167.2   85.2 30.5        0        0 124
## 5364 5364  56    0    1    0  173.0   74.3 24.8        1        0 131
## 5365 5365  63    0    1    0  170.0   66.1 22.9        0        0 129
## 5366 5366  55    0    1    1  168.5   71.8 25.3        0        0 124
## 5367 5367  57    1    1    1  178.6   82.9 26.0        0        0 125
## 5368 5368  63    0    2    0  164.5   81.0 29.9        1        0 141
## 5369 5369  67    0    1    2  168.8   89.3 31.3        1        0 143
## 5370 5370  62    1    4    2  167.6   68.8 24.5        0        0 129
## 5371 5371  67    0    1    0  164.3   66.8 24.7        1        0 143
## 5372 5372  61    1    1    0  151.9   71.4 31.0        1        1 145
## 5373 5373  58    0    1    0  165.2   81.6 29.9        1        0 133
## 5374 5374  62    1    1    0  159.4   74.0 29.1        1        0 139
```

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## 5375 5375 46    1    1     0  165.3   77.8 28.5        0        0 117
## 5376 5376 55    0    3     2  162.0   89.9 34.3        1        0 134
## 5377 5377 63    1    2     1  162.5   88.4 33.5        0        0 127
## 5378 5378 58    0    1     0  164.7   79.2 29.2        0        0 130
## 5379 5379 61    1    1     0  171.5   83.7 28.5        0        0 119
## 5380 5380 64    0    1     1  160.2   75.3 29.4        1        1 132
## 5381 5381 67    1    1     0  168.8   77.2 27.1        1        0 139
## 5382 5382 64    1    1     0  168.1   78.9 27.9        1        0 147
## 5383 5383 63    0    1     1  168.5   77.4 27.3        1        0 137
## 5384 5384 52    1    1     1  165.3   70.2 25.7        0        0 119
## 5385 5385 66    1    1     0  162.5   75.3 28.5        1        0 138
## 5386 5386 67    0    3     0  166.8   76.6 27.5        1        0 131
## 5387 5387 70    0    1     0  164.0   77.1 28.7        1        0 135
## 5388 5388 55    1    1     1  168.7   80.6 28.3        0        0 120
## 5389 5389 61    1    1     1  170.5   84.4 29.0        0        0 130
## 5390 5390 59    0    4     1  175.7   78.3 25.4        0        0 113
## 5391 5391 66    0    1     0  168.5   76.2 26.8        1        0 138
## 5392 5392 60    0    1     0  175.5   77.3 25.1        1        0 134
## 5393 5393 73    0    1     0  164.9   72.2 26.6        1        0 153
## 5394 5394 59    0    3     2  165.5   79.8 29.1        0        0 117
## 5395 5395 65    0    1     0  165.9   80.5 29.2        1        0 141
## 5396 5396 60    1    1     0  172.1   81.7 27.6        1        1 132
## 5397 5397 62    1    3     0  178.5   68.4 21.5        0        0 125
## 5398 5398 52    1    1     2  169.2   81.0 28.3        0        0 124
## 5399 5399 55    1    3     0  174.3   77.8 25.6        0        1 122
## 5400 5400 55    1    3     1  169.3   89.6 31.3        0        0 108
## 5401 5401 60    0    1     0  164.6   73.2 27.0        0        0 128
## 5402 5402 55    1    4     0  168.2   90.9 32.1        0        1 128
## 5403 5403 58    1    1     0  167.1   85.5 30.6        0        1 125
## 5404 5404 53    0    1     0  165.3   79.0 28.9        0        0 118
## 5405 5405 57    1    3     0  177.2   93.4 29.7        1        0 134
## 5406 5406 62    0    1     0  160.2   72.9 28.4        1        1 133
## 5407 5407 57    1    4     1  182.7   74.2 22.2        0        0 124
## 5408 5408 65    1    1     0  165.1   83.8 30.7        0        0 126
## 5409 5409 59    0    4     1  163.2   84.7 31.8        1        0 136
## 5410 5410 58    0    1     0  169.9   77.1 26.7        0        0 124
## 5411 5411 55    0    1     0  177.0   76.8 24.5        0        0 129
## 5412 5412 58    0    1     0  166.5   84.9 30.6        0        0 124
## 5413 5413 54    1    3     1  175.7   85.0 27.5        0        1 122
## 5414 5414 67    0    1     2  178.2   83.4 26.3        1        0 137
## 5415 5415 61    1    3     0  165.9   78.3 28.4        1        0 135
## 5416 5416 52    0    3     0  164.6   75.3 27.8        1        0 131
## 5417 5417 56    1    1     2  165.0   78.0 28.6        1        1 134
## 5418 5418 59    0    2     0  168.3   76.7 27.1        1        0 140
## 5419 5419 62    0    1     0  161.8   86.3 33.0        0        0 120
## 5420 5420 60    0    1     1  159.7   81.9 32.1        0        0 129
## 5421 5421 60    1    4     0  161.7   73.7 28.2        0        0 129
## 5422 5422 58    1    1     0  173.9   80.7 26.7        0        0 130
## 5423 5423 55    1    1     0  181.9   90.2 27.3        1        0 139
## 5424 5424 54    1    1     0  169.6   78.3 27.2        0        0 125
## 5425 5425 50    0    1     0  170.5   67.8 23.3        0        0 124
## 5426 5426 61    1    1     1  164.5   70.6 26.1        1        0 135
## 5427 5427 59    0    4     0  166.0   82.2 29.8        1        0 134
## 5428 5428 64    1    3     0  160.9   80.4 31.0        0        1 123
```

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## 5429 5429   65      1    1      1   170.8    85.7 29.4        0        0 125
## 5430 5430   67      0    1      1   164.6    68.6 25.3        1        0 137
## 5431 5431   61      1    1      1   175.7    78.3 25.4        0        0 126
## 5432 5432   60      1    1      1   179.0    73.7 23.0        1        0 142
## 5433 5433   59      1    2      0   175.1    81.7 26.7        0        0 119
## 5434 5434   69      1    1      0   159.3    91.1 35.9        1        0 142
## 5435 5435   64      0    1      0   174.7    83.2 27.3        1        0 137
## 5436 5436   57      1    1      0   176.1    70.8 22.8        0        0 127
## 5437 5437   65      1    1      0   170.9    77.1 26.4        0        0 126
## 5438 5438   57      0    1      0   171.4    82.2 28.0        0        0 115
## 5439 5439   55      0    3      2   170.4    78.7 27.1        0        0 119
## 5440 5440   62      1    1      1   170.9    68.8 23.6        1        0 134
## 5441 5441   62      0    3      2   160.9    81.1 31.3        0        1 129
## 5442 5442   52      1    4      0   169.9    73.1 25.3        0        0 129
## 5443 5443   65      0    1      1   165.2    77.0 28.2        0        0 129
## 5444 5444   59      0    4      0   171.3    85.4 29.1        1        0 140
## 5445 5445   64      1    3      1   165.0    77.4 28.5        1        0 135
## 5446 5446   57      0    1      1   168.3    89.5 31.6        0        0 129
## 5447 5447   60      1    4      1   174.9    82.3 26.9        1        1 138
## 5448 5448   63      1    1      0   167.2    95.1 34.0        1        0 132
## 5449 5449   51      0    4      1   175.0    72.1 23.5        0        0 119
## 5450 5450   60      1    1      0   167.7    80.8 28.7        0        0 127
## 5451 5451   62      1    1      2   171.5    75.3 25.6        0        0 125
## 5452 5452   60      1    3      2   170.6    81.2 27.9        1        0 135
## 5453 5453   52      1    1      1   169.7    80.6 28.0        0        0 127
## 5454 5454   61      1    4      0   175.1    74.8 24.4        0        0 127
## 5455 5455   63      0    1      0   170.0    84.8 29.4        1        0 146
## 5456 5456   55      1    1      0   167.4    89.3 31.9        0        0 125
## 5457 5457   71      0    1      2   174.2    81.1 26.7        1        0 134
## 5458 5458   63      0    1      0   172.7    73.6 24.7        1        0 140
## 5459 5459   60      1    1      0   161.6    79.0 30.2        0        0 129
## 5460 5460   56      0    1      0   176.1    88.2 28.4        0        0 127
## 5461 5461   53      0    1      0   179.8    82.0 25.4        0        1 118
## 5462 5462   53      1    4      1   176.4    89.8 28.9        0        0 120
## 5463 5463   57      0    1      0   158.0    71.1 28.5        1        1 136
## 5464 5464   55      1    3      1   178.7    91.9 28.8        0        0 121
## 5465 5465   61      0    1      0   165.6    66.7 24.3        1        1 131
## 5466 5466   57      1    1      0   174.2    81.0 26.7        0        0 112
## 5467 5467   63      1    1      1   167.8    75.4 26.8        0        0 130
## 5468 5468   60      0    1      0   168.3    69.5 24.5        0        0 122
## 5469 5469   59      0    3      0   170.9    78.9 27.0        0        0 122
## 5470 5470   57      1    1      0   173.9    80.2 26.5        0        0 123
## 5471 5471   53      1    1      1   168.5    79.8 28.1        1        0 134
## 5472 5472   68      1    1      1   170.5    73.0 25.1        1        0 150
## 5473 5473   60      0    1      1   172.7    65.3 21.9        0        0 113
## 5474 5474   63      0    1      0   165.3    82.9 30.3        0        0 125
## 5475 5475   59      1    3      0   162.1    77.3 29.4        0        0 121
## 5476 5476   53      1    3      0   180.5    83.5 25.6        0        0 114
## 5477 5477   66      1    3      0   178.3    77.4 24.4        1        1 138
## 5478 5478   63      1    3      1   163.0    75.8 28.5        1        0 135
## 5479 5479   54      1    1      0   177.0    82.7 26.4        0        0 116
## 5480 5480   59      0    1      0   164.1    79.7 29.6        0        1 124
## 5481 5481   62      0    3      1   178.0    84.0 26.5        0        0 126
## 5482 5482   54      0    1      0   172.3    79.9 26.9        0        0 112
```

```
## 5483 5483 65    0    1         0  176.3   87.6 28.2          1          0 142
## 5484 5484 61    0    1         1  172.2   83.2 28.1          1          0 141
## 5485 5485 54    1    3         2  165.3   77.8 28.5          0          1 117
## 5486 5486 66    0    1         2  181.4   87.8 26.7          1          0 138
## 5487 5487 59    1    3         0  177.6   83.8 26.6          1          1 134
## 5488 5488 60    1    3         1  167.5   81.8 29.2          0          0 106
## 5489 5489 60    0    3         0  164.6   82.5 30.5          1          0 131
## 5490 5490 59    1    1         0  162.1   72.3 27.5          0          0 127
## 5491 5491 59    0    3         2  159.5   82.1 32.3          0          0 121
## 5492 5492 57    0    1         0  163.5   82.3 30.8          0          0 115
## 5493 5493 59    1    1         0  170.8   80.2 27.5          0          0 125
## 5494 5494 62    1    1         1  165.1   78.8 28.9          1          0 138
## 5495 5495 59    0    1         0  169.9   89.4 31.0          0          0 116
## 5496 5496 50    0    4         1  172.2   80.8 27.2          0          1 130
## 5497 5497 60    0    1         0  174.6   68.3 22.4          0          0 127
## 5498 5498 58    1    1         0  157.4   81.7 33.0          1          0 137
## 5499 5499 60    0    3         0  171.1   65.2 22.3          0          1 123
## 5500 5500 56    0    1         0  172.9   72.7 24.3          1          0 136
## 5501 5501 51    1    3         1  158.6   82.4 32.8          0          0 126
## 5502 5502 59    1    1         1  174.2   69.4 22.9          0          0 118
## 5503 5503 60    0    3         1  175.4   82.5 26.8          1          0 132
## 5504 5504 60    0    1         2  178.1   79.4 25.0          0          0 125
## 5505 5505 65    1    3         0  166.9   86.1 30.9          1          1 139
## 5506 5506 62    0    1         0  175.7   79.2 25.7          0          0 123
## 5507 5507 60    1    1         1  166.0   76.1 27.6          1          0 133
## 5508 5508 57    1    1         0  187.5   81.5 23.2          0          1 120
## 5509 5509 60    1    1         1  164.4   80.0 29.6          0          0 119
## 5510 5510 60    0    1         0  165.0   75.1 27.6          1          0 143
## 5511 5511 65    0    4         1  169.6   75.8 26.4          1          0 139
## 5512 5512 52    0    1         1  163.2   84.0 31.5          0          0 115
## 5513 5513 64    0    3         2  176.1   85.0 27.4          0          0 130
## 5514 5514 61    1    4         0  161.5   75.5 29.0          0          0 125
## 5515 5515 57    0    1         1  165.4   75.1 27.5          0          0 123
## 5516 5516 58    1    3         1  172.3   80.2 27.0          1          0 138
## 5517 5517 55    1    1         0  178.3   70.2 22.1          0          0 121
## 5518 5518 56    1    1         0  168.3   74.8 26.4          0          0 129
## 5519 5519 58    0    3         0  160.4   74.4 28.9          1          1 145
## 5520 5520 58    0    1         0  169.4   73.7 25.7          1          0 137
## 5521 5521 64    0    1         0  178.7   86.1 27.0          0          0 122
## 5522 5522 60    1    3         1  171.7   82.5 28.0          1          0 144
## 5523 5523 56    1    1         0  177.7   82.9 26.3          0          0 128
## 5524 5524 60    0    3         0  168.3   79.7 28.1          1          0 132
## 5525 5525 59    0    1         0  163.3   69.0 25.9          1          0 133
## 5526 5526 58    0    1         1  169.4   87.3 30.4          0          1 128
## 5527 5527 64    0    1         0  174.4   78.8 25.9          0          0 127
## 5528 5528 57    1    1         0  174.4   85.1 28.0          0          0 126
## 5529 5529 57    0    1         0  170.1   92.7 32.0          0          0 129
## 5530 5530 59    0    1         1  166.6   81.3 29.3          0          0 126
## 5531 5531 59    0    1         0  181.3   74.8 22.7          0          0 126
## 5532 5532 66    0    3         0  163.8   83.0 30.9          1          1 139
## 5533 5533 56    0    1         0  156.3   83.4 34.1          0          0 129
## 5534 5534 56    1    1         2  164.8   87.5 32.3          1          0 132
## 5535 5535 57    0    1         1  174.1   67.3 22.2          1          0 131
## 5536 5536 55    0    1         0  173.9   90.4 29.9          0          0 116
```

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## 5537 5537  61     1    1       2  173.2    77.9 26.0          1       1 137
## 5538 5538  58     1    3       0  170.2    79.0 27.3          0       0 122
## 5539 5539  55     1    1       0  166.2    76.1 27.5          1       0 133
## 5540 5540  61     1    4       0  165.3    92.6 33.9          1       0 133
## 5541 5541  51     0    1       1  183.0    80.3 24.0          0       0 126
## 5542 5542  52     1    1       1  167.5    76.1 27.1          0       0 116
## 5543 5543  58     1    1       1  166.5    81.1 29.3          1       0 135
## 5544 5544  58     0    1       2  171.1    77.5 26.5          1       0 138
## 5545 5545  62     1    1       0  162.6    69.8 26.4          0       0 125
## 5546 5546  61     0    1       0  172.4    84.9 28.6          0       1 126
## 5547 5547  60     1    1       2  165.0    72.2 26.5          0       1 110
## 5548 5548  64     1    1       2  163.0    81.3 30.6          0       0 125
## 5549 5549  60     1    1       0  172.1    85.5 28.9          1       0 131
## 5550 5550  58     0    2       2  173.5    78.7 26.1          0       0 124
## 5551 5551  60     0    1       1  165.9    89.0 32.3          1       0 148
## 5552 5552  54     1    1       0  162.6    75.8 28.7          1       0 138
## 5553 5553  59     0    3       0  166.1    71.9 26.1          1       0 132
## 5554 5554  61     1    1       0  181.1    87.2 26.6          1       0 131
## 5555 5555  60     1    3       0  172.7    85.4 28.6          1       1 132
## 5556 5556  61     0    1       1  169.3    78.6 27.4          1       0 138
## 5557 5557  64     0    1       0  166.8    81.9 29.4          1       0 131
## 5558 5558  56     1    1       0  166.9    79.0 28.4          0       0 122
## 5559 5559  58     1    3       0  174.8    81.4 26.6          0       0 123
## 5560 5560  58     1    1       0  168.0    66.4 23.5          0       0 122
## 5561 5561  61     0    1       0  168.8    75.5 26.5          1       0 140
## 5562 5562  60     0    1       1  172.0    84.3 28.5          0       0 125
## 5563 5563  57     0    4       0  169.1    76.1 26.6          0       0 128
## 5564 5564  56     0    1       1  166.4    81.1 29.3          0       0 118
## 5565 5565  61     1    3       1  165.3    69.9 25.6          1       1 137
## 5566 5566  55     0    3       0  175.1    78.4 25.6          0       0 130
## 5567 5567  62     1    1       1  175.8    81.6 26.4          1       0 136
## 5568 5568  50     1    1       2  176.4    86.0 27.6          0       0 124
## 5569 5569  65     0    1       0  166.7    75.5 27.2          1       0 131
## 5570 5570  58     1    3       2  180.5    87.8 27.0          1       1 136
## 5571 5571  62     1    1       0  164.6    84.6 31.2          1       0 146
## 5572 5572  61     0    1       1  181.1    78.9 24.1          1       0 134
## 5573 5573  65     1    1       0  171.6    74.6 25.3          1       0 140
## 5574 5574  66     0    1       1  165.2    77.6 28.4          1       0 137
## 5575 5575  58     0    2       0  163.9    69.3 25.8          0       0 121
## 5576 5576  60     1    4       1  173.6    79.4 26.3          0       0 123
## 5577 5577  58     0    4       0  168.0    78.4 27.8          0       0 125
## 5578 5578  52     1    4       0  179.7    82.3 25.5          1       0 137
## 5579 5579  55     0    1       0  171.4    80.9 27.5          0       0 126
## 5580 5580  63     1    1       0  175.6    87.5 28.4          0       0 125
## 5581 5581  64     0    2       1  161.7    71.8 27.4          0       0 127
## 5582 5582  64     0    3       0  170.8    85.5 29.3          1       0 136
## 5583 5583  56     1    4       0  154.9    77.0 32.1          0       0 126
## 5584 5584  55     1    1       1  178.6    89.3 28.0          0       0 128
## 5585 5585  59     0    2       0  169.0    77.6 27.2          0       0 129
## 5586 5586  60     0    1       0  172.1    87.0 29.4          0       1 122
## 5587 5587  61     1    1       1  161.3    76.0 29.2          1       0 133
## 5588 5588  64     1    1       1  163.8    90.5 33.7          0       1 130
## 5589 5589  51     0    4       0  170.3    89.1 30.8          0       0 125
## 5590 5590  58     1    1       0  178.6    78.9 24.7          1       0 137
```

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```
## 5591 5591  58    1   1     1  165.4   80.5 29.4           1           1 131
## 5592 5592  54    0   3     1  172.2   86.5 29.2           1           0 132
## 5593 5593  50    1   1     0  174.0   84.9 28.0           0           1 104
## 5594 5594  55    1   1     0  167.6   78.0 27.8           0           0 113
## 5595 5595  64    0   1     0  173.7   77.4 25.6           1           0 150
## 5596 5596  61    0   3     0  175.2   87.3 28.4           1           1 134
## 5597 5597  60    1   3     2  173.5   83.9 27.9           1           1 142
## 5598 5598  62    1   1     0  179.1   86.4 26.9           1           0 132
## 5599 5599  62    0   2     0  168.4   74.0 26.1           1           0 132
## 5600 5600  62    1   1     0  172.0   72.2 24.4           1           0 132
## 5601 5601  57    1   3     0  160.8   63.1 24.4           1           0 137
## 5602 5602  63    1   2     0  161.4   73.8 28.3           0           0 125
## 5603 5603  63    0   3     1  170.1   84.8 29.3           0           0 130
## 5604 5604  51    0   1     0  159.8   74.9 29.3           1           0 131
## 5605 5605  67    1   2     2  163.8   84.1 31.3           1           0 138
## 5606 5606  63    1   2     0  154.2   78.8 33.1           1           0 132
## 5607 5607  56    1   4     0  181.7   90.2 27.3           1           0 134
## 5608 5608  61    0   4     1  162.0   82.0 31.2           0           0 121
## 5609 5609  60    1   3     0  171.1   78.4 26.8           1           0 132
## 5610 5610  66    1   1     0  168.6   85.4 30.1           1           0 138
## 5611 5611  55    0   1     0  165.4   84.7 31.0           0           0 125
## 5612 5612  59    0   4     0  179.4   77.6 24.1           1           0 132
## 5613 5613  58    1   1     0  169.8   77.8 27.0           0           0 117
## 5614 5614  63    1   1     0  172.5   74.4 25.0           1           0 136
## 5615 5615  61    0   1     0  168.8   80.4 28.2           0           0 126
## 5616 5616  57    1   3     0  168.3   74.0 26.2           1           0 131
## 5617 5617  63    0   1     1  175.1   75.5 24.6           0           0 121
## 5618 5618  61    0   3     0  168.0   88.7 31.5           0           0 111
## 5619 5619  61    1   3     1  172.2   76.6 25.8           0           0 129
## 5620 5620  61    0   1     0  162.0   57.8 22.0           0           0 126
## 5621 5621  65    1   1     0  162.6   79.7 30.1           1           0 135
## 5622 5622  66    0   1     0  165.6   69.5 25.4           1           0 133
## 5623 5623  72    0   4     0  179.1   80.8 25.2           1           0 143
## 5624 5624  56    0   3     0  171.1   83.4 28.5           1           0 135
## 5625 5625  57    0   3     1  168.2   74.7 26.4           0           0 127
## 5626 5626  63    1   1     0  168.9   84.8 29.7           0           0 130
## 5627 5627  59    0   1     1  178.6   88.6 27.8           0           0 128
## 5628 5628  66    1   1     0  163.1   70.7 26.6           1           1 134
## 5629 5629  64    0   1     0  163.3   85.0 31.9           1           0 131
## 5630 5630  62    0   1     0  167.9   83.3 29.6           0           0 125
## 5631 5631  59    0   1     0  177.7   76.4 24.2           1           0 134
## 5632 5632  55    0   2     1  162.8   69.5 26.2           1           0 133
## 5633 5633  50    1   1     1  171.6   77.6 26.3           0           0 129
## 5634 5634  67    0   1     0  172.8   93.1 31.2           1           0 131
## 5635 5635  53    1   1     0  179.1   75.2 23.4           0           0 130
## 5636 5636  52    1   1     2  165.8   85.2 31.0           0           0 122
## 5637 5637  57    0   1     1  179.2   74.6 23.2           0           0 121
## 5638 5638  59    1   1     1  176.4   89.3 28.7           0           0 119
## 5639 5639  65    0   3     0  157.9   75.8 30.4           1           1 141
## 5640 5640  66    1   3     0  171.8   67.3 22.8           1           0 139
## 5641 5641  60    0   3     0  168.3   83.8 29.6           0           0 118
## 5642 5642  63    1   1     2  169.8   71.3 24.7           0           0 128
## 5643 5643  62    1   1     0  166.1   78.0 28.2           1           0 133
## 5644 5644  65    1   1     0  169.8   72.3 25.1           0           0 123
```

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## 5645 5645 62    1    1       1  167.4    78.7 28.1           1            1 137
## 5646 5646 57    0    3       1  184.0    90.7 26.8           1            0 131
## 5647 5647 60    0    1       1  170.3    80.3 27.7           0            0 129
## 5648 5648 61    0    4       1  166.5    80.8 29.2           0            0 127
## 5649 5649 68    1    1       0  172.3    75.5 25.4           1            0 132
## 5650 5650 63    1    1       0  165.5    67.2 24.5           0            0 129
## 5651 5651 63    1    3       0  173.7    82.5 27.3           0            0 123
## 5652 5652 61    1    1       2  178.5    79.2 24.9           1            0 133
## 5653 5653 64    1    1       0  164.3    77.7 28.8           0            0 122
## 5654 5654 58    0    1       1  161.7    75.7 29.0           1            1 133
## 5655 5655 62    1    3       0  169.2    86.6 30.2           1            1 137
## 5656 5656 60    0    1       0  169.3    84.0 29.3           1            0 135
## 5657 5657 59    0    3       2  160.7    77.4 30.0           1            0 135
## 5658 5658 57    0    1       1  169.4    91.6 31.9           0            0 125
## 5659 5659 59    0    1       0  176.4    90.6 29.1           0            0 120
## 5660 5660 54    1    3       1  164.0    63.9 23.7           0            1 130
## 5661 5661 58    0    1       1  177.9    79.8 25.2           0            0 125
## 5662 5662 56    1    3       1  169.4    81.8 28.5           1            1 136
## 5663 5663 56    1    1       1  170.2    78.6 27.1           0            1 126
## 5664 5664 56    0    1       0  162.3    83.4 31.7           0            1 128
## 5665 5665 52    1    4       2  173.8    72.2 23.9           0            1 117
## 5666 5666 63    0    1       1  168.4    86.0 30.3           1            0 136
## 5667 5667 64    1    1       0  165.9    75.7 27.5           0            0 127
## 5668 5668 53    1    3       0  165.7    69.3 25.3           1            0 137
## 5669 5669 61    0    1       0  162.8    69.8 26.3           0            0 130
## 5670 5670 58    0    1       1  178.2    87.4 27.5           1            0 135
## 5671 5671 58    0    4       0  167.3    84.5 30.2           0            0 126
## 5672 5672 59    1    3       1  158.4    66.2 26.4           1            0 136
## 5673 5673 61    1    1       1  172.0    81.0 27.4           1            0 136
## 5674 5674 70    0    2       0  165.6    78.6 28.7           1            0 133
## 5675 5675 66    1    2       0  155.5    74.6 30.9           1            0 135
## 5676 5676 60    0    1       1  178.2    78.5 24.7           0            0 122
## 5677 5677 59    1    1       0  157.1    85.3 34.6           1            0 131
## 5678 5678 53    1    1       1  173.9    77.3 25.6           0            0 130
## 5679 5679 56    0    3       0  171.4    82.3 28.0           1            0 138
## 5680 5680 64    1    1       1  173.0    82.2 27.5           0            0 125
## 5681 5681 66    1    1       0  173.0    79.0 26.4           1            1 140
## 5682 5682 65    0    1       0  168.0    88.3 31.3           1            0 133
## 5683 5683 63    0    1       0  177.2    75.6 24.1           1            0 131
## 5684 5684 64    1    1       0  166.8    80.4 28.9           1            1 134
## 5685 5685 69    1    3       2  162.2    81.1 30.8           1            1 146
## 5686 5686 53    0    1       0  173.5    82.8 27.5           1            1 131
## 5687 5687 61    0    4       1  172.1    79.6 26.9           1            0 134
## 5688 5688 59    1    1       1  166.1    60.7 22.0           1            0 133
## 5689 5689 64    0    3       0  173.1    81.4 27.1           1            0 132
## 5690 5690 61    1    1       0  175.5    95.8 31.1           1            0 135
## 5691 5691 58    0    4       0  169.6    73.1 25.4           0            0 111
## 5692 5692 63    1    1       0  169.6    76.7 26.7           0            0 128
## 5693 5693 60    1    4       0  176.0    78.2 25.3           0            0 125
## 5694 5694 64    1    1       0  166.9    73.8 26.5           1            0 148
## 5695 5695 64    1    1       0  172.5    81.0 27.2           1            0 157
## 5696 5696 63    1    2       2  175.7    76.2 24.7           1            0 135
## 5697 5697 61    1    1       0  173.1    86.4 28.8           0            1 124
## 5698 5698 60    1    3       0  173.4    84.2 28.0           1            0 131
```

## 5699	5699	59	1	3	0	177.6	86.4	27.4	0	0	130
## 5700	5700	55	1	3	0	174.8	84.8	27.7	0	0	120
## 5701	5701	57	1	3	0	169.4	88.6	30.9	0	0	123
## 5702	5702	64	0	2	1	165.5	78.2	28.6	1	0	135
## 5703	5703	57	1	3	0	174.7	81.7	26.8	1	0	136
## 5704	5704	56	1	4	1	167.7	79.1	28.1	1	0	136
## 5705	5705	64	1	3	2	164.2	76.4	28.3	1	1	138
## 5706	5706	65	1	1	1	161.3	78.0	29.9	0	0	121
## 5707	5707	56	1	1	0	176.3	84.6	27.2	0	0	113
## 5708	5708	63	1	1	0	160.6	66.4	25.7	0	0	126
## 5709	5709	58	1	1	0	170.8	72.8	25.0	0	0	125
## 5710	5710	55	0	1	1	172.6	70.1	23.5	0	0	128
## 5711	5711	58	1	1	2	175.6	75.4	24.4	1	0	131
## 5712	5712	58	0	1	0	170.3	78.4	27.0	1	0	134
## 5713	5713	61	1	2	0	166.2	74.9	27.1	1	0	142
## 5714	5714	61	1	1	1	172.4	78.1	26.3	0	0	128
## 5715	5715	60	0	1	0	161.2	69.8	26.8	0	0	126
## 5716	5716	62	0	3	0	172.6	78.0	26.2	0	0	129
## 5717	5717	57	1	3	0	168.9	80.3	28.1	0	0	121
## 5718	5718	64	1	2	0	164.4	85.8	31.7	1	1	132
## 5719	5719	54	0	1	2	169.0	78.0	27.3	0	0	123
## 5720	5720	58	1	1	1	169.0	81.5	28.5	0	0	124
## 5721	5721	62	1	1	0	160.3	67.9	26.4	1	0	132
## 5722	5722	60	0	4	0	180.8	83.4	25.5	1	0	135
## 5723	5723	65	0	1	1	163.3	68.4	25.6	1	1	131
## 5724	5724	67	0	4	1	174.9	76.8	25.1	1	0	135
## 5725	5725	55	0	4	0	168.1	76.3	27.0	0	0	129
## 5726	5726	58	1	1	0	165.4	79.6	29.1	0	0	116
## 5727	5727	61	0	1	0	168.3	76.6	27.1	1	0	137
## 5728	5728	53	1	1	0	164.5	75.3	27.9	1	1	139
## 5729	5729	60	1	1	1	174.6	88.1	28.9	0	1	127
## 5730	5730	59	1	3	0	168.3	82.8	29.2	0	0	124
## 5731	5731	63	1	3	0	174.9	92.6	30.3	1	0	139
## 5732	5732	57	0	3	0	169.0	67.0	23.5	0	1	130
## 5733	5733	59	1	1	1	161.0	78.4	30.3	0	0	121
## 5734	5734	50	0	1	0	163.2	77.0	28.9	0	0	121
## 5735	5735	65	0	3	1	166.8	81.8	29.4	1	0	142
## 5736	5736	59	0	1	2	167.2	79.8	28.6	1	0	142
## 5737	5737	56	0	1	1	163.2	94.5	35.5	0	0	107
## 5738	5738	59	0	1	0	160.8	66.5	25.7	0	0	128
## 5739	5739	63	0	1	0	169.3	79.7	27.8	1	0	132
## 5740	5740	61	0	1	0	159.9	73.6	28.8	0	0	128
## 5741	5741	64	0	1	2	167.2	80.1	28.7	1	0	140
## 5742	5742	64	1	1	0	163.2	82.8	31.1	0	1	126
## 5743	5743	66	0	3	0	165.2	82.0	30.1	1	0	146
## 5744	5744	58	0	3	0	174.1	86.9	28.7	1	1	138
## 5745	5745	61	0	1	0	159.9	88.5	34.6	0	0	116
## 5746	5746	62	1	1	1	169.2	81.5	28.5	1	0	132
## 5747	5747	59	1	1	0	165.3	68.7	25.2	0	0	125
## 5748	5748	62	0	1	0	165.3	78.5	28.7	1	0	148
## 5749	5749	61	0	1	0	164.5	81.8	30.2	1	0	136
## 5750	5750	59	0	1	0	164.4	89.2	33.0	1	0	147
## 5751	5751	66	1	1	1	166.7	79.6	28.7	1	0	139
## 5752	5752	62	0	2	0	176.8	76.4	24.4	0	0	128

```
## 5753 5753 58   1   1   1   164.3   58.1 21.5      0       0 130
## 5754 5754 53   1   1   0   172.2   66.8 22.5      0       0 124
## 5755 5755 61   0   3   0   170.9   74.3 25.4      0       0 130
## 5756 5756 58   0   1   1   176.6   74.4 23.9      0       0 125
## 5757 5757 45   1   4   0   169.1   80.1 28.0      0       0 113
## 5758 5758 57   0   1   0   185.8   97.1 28.1      0       0 121
## 5759 5759 61   1   3   0   167.4   76.9 27.4      0       0 126
## 5760 5760 63   0   3   0   160.8   76.8 29.7      0       0 128
## 5761 5761 55   1   3   1   170.2   75.6 26.1      0       0 113
## 5762 5762 62   0   1   0   179.5   78.5 24.4      0       1 127
## 5763 5763 65   0   3   0   169.2   80.3 28.1      1       0 137
## 5764 5764 65   0   1   0   168.9   74.7 26.2      1       0 146
## 5765 5765 59   0   1   1   170.4   82.7 28.5      1       0 134
## 5766 5766 57   0   1   0   170.1   80.6 27.8      0       1 125
## 5767 5767 58   1   3   2   169.8   70.0 24.3      0       0 129
## 5768 5768 58   0   3   0   170.6   76.4 26.3      1       1 136
## 5769 5769 59   0   3   0   175.4   80.6 26.2      1       0 134
## 5770 5770 59   0   1   0   182.2   95.8 28.8      0       1 119
## 5771 5771 62   0   1   0   159.6   80.9 31.7      0       0 122
## 5772 5772 68   1   1   0   176.5   78.9 25.3      0       0 120
## 5773 5773 52   0   1   0   167.0   72.8 26.1      0       0 130
## 5774 5774 54   0   1   0   176.9   79.7 25.5      0       0 125
## 5775 5775 57   1   1   1   160.8   89.8 34.7      0       0 112
## 5776 5776 56   1   3   1   165.4   81.7 29.8      0       1 126
## 5777 5777 59   1   3   0   169.4   75.2 26.2      1       0 135
## 5778 5778 58   1   1   0   165.3   72.2 26.4      0       0 129
## 5779 5779 54   1   1   0   163.2   71.4 26.8      0       1 111
## 5780 5780 63   0   1   1   163.8   65.2 24.3      0       1 122
## 5781 5781 66   0   1   0   169.6   86.3 30.0      1       0 134
## 5782 5782 56   0   1   1   166.6   78.6 28.3      0       0 128
## 5783 5783 61   0   1   1   169.7   76.9 26.7      1       0 143
## 5784 5784 51   0   1   0   165.8   69.8 25.4      0       0 117
## 5785 5785 63   0   1   0   162.3   83.9 31.8      0       0 125
## 5786 5786 57   0   3   0   166.8   76.2 27.4      1       0 135
## 5787 5787 63   0   4   2   177.5   70.3 22.3      0       0 129
## 5788 5788 62   0   1   2   165.9   61.3 22.3      0       0 125
## 5789 5789 58   0   1   1   178.0   81.7 25.8      1       0 135
## 5790 5790 72   0   1   1   177.8   88.8 28.1      1       0 153
## 5791 5791 63   1   1   0   170.5   75.5 26.0      0       0 125
## 5792 5792 56   0   3   1   170.3   77.1 26.6      0       1 113
## 5793 5793 66   1   3   0   165.7   69.1 25.2      1       1 137
## 5794 5794 64   1   1   1   155.9   83.1 34.2      1       0 137
## 5795 5795 67   1   1   0   177.0   78.2 24.9      1       0 139
## 5796 5796 65   1   3   2   176.9   70.9 22.7      0       0 125
## 5797 5797 56   0   1   1   171.4   85.3 29.1      0       0 125
## 5798 5798 64   1   3   2   174.9   88.8 29.0      0       1 126
## 5799 5799 58   1   3   1   166.8   78.0 28.0      1       0 131
## 5800 5800 55   0   1   0   168.8   86.9 30.5      1       0 139
## 5801 5801 62   0   3   1   164.4   62.7 23.2      0       0 125
## 5802 5802 55   1   3   0   175.1   81.8 26.7      1       0 139
## 5803 5803 57   0   1   0   172.4   78.3 26.3      0       0 121
## 5804 5804 62   0   1   0   158.3   79.5 31.7      0       0 123
## 5805 5805 55   1   4   1   166.7   77.6 27.9      1       0 132
## 5806 5806 64   0   1   0   167.3   70.1 25.0      1       0 136
```

```
## 5807 5807  59    1    2    0  172.4   71.8 24.2        0          0 118
## 5808 5808  59    1    3    0  164.6   88.9 32.8        1          0 146
## 5809 5809  63    0    1    1  170.1   82.2 28.4        1          0 135
## 5810 5810  55    0    1    0  166.5   86.9 31.3        0          0 112
## 5811 5811  62    0    2    0  174.3   83.4 27.4        1          0 139
## 5812 5812  53    0    1    1  162.9   88.3 33.3        0          0 126
## 5813 5813  63    0    1    0  169.4   77.3 26.9        0          0 123
## 5814 5814  62    0    1    0  171.1   70.5 24.1        0          0 127
## 5815 5815  64    1    3    0  174.7   85.2 27.9        1          0 134
## 5816 5816  66    0    3    1  167.1   84.3 30.2        1          0 131
## 5817 5817  56    0    3    0  165.7   66.2 24.1        1          0 137
## 5818 5818  58    1    1    1  172.1   77.2 26.0        0          0 124
## 5819 5819  61    0    1    0  175.3   82.1 26.7        1          0 133
## 5820 5820  66    1    4    0  172.9   88.5 29.6        1          0 143
## 5821 5821  66    1    3    1  166.8   78.6 28.2        0          1 124
## 5822 5822  64    0    1    0  179.1   71.1 22.2        1          0 132
## 5823 5823  61    0    3    0  165.1   80.8 29.7        1          0 131
## 5824 5824  70    1    1    1  169.4   76.9 26.8        1          0 139
## 5825 5825  67    0    1    0  173.8   75.9 25.1        0          0 124
## 5826 5826  61    0    3    0  175.4   75.7 24.6        0          0 127
## 5827 5827  61    1    1    0  167.3   74.5 26.6        1          0 139
## 5828 5828  61    0    3    2  181.7   83.8 25.4        1          0 142
## 5829 5829  71    1    1    1  175.6   88.1 28.6        1          0 143
## 5830 5830  65    0    1    1  184.3   88.1 26.0        0          0 124
## 5831 5831  69    1    1    0  174.0   83.3 27.5        1          0 134
## 5832 5832  51    1    4    0  172.9   88.0 29.4        0          0 122
## 5833 5833  55    0    2    0  171.1   82.1 28.0        0          0 127
## 5834 5834  59    0    1    2  164.9   77.6 28.6        0          0 128
## 5835 5835  59    0    1    2  167.5   71.3 25.4        1          0 131
## 5836 5836  64    0    3    0  175.6   82.0 26.6        1          0 141
## 5837 5837  59    1    4    0  164.1   79.3 29.4        1          0 131
## 5838 5838  63    0    1    0  170.8   84.6 29.0        1          0 137
## 5839 5839  57    0    4    1  182.7   79.6 23.8        0          1 128
## 5840 5840  68    0    3    0  167.1   81.0 29.0        1          0 149
## 5841 5841  61    1    3    0  166.4   76.0 27.5        1          0 139
## 5842 5842  62    0    4    1  168.1   82.7 29.3        0          0 128
## 5843 5843  59    0    1    0  159.4   75.0 29.5        0          0 129
## 5844 5844  57    0    1    1  179.2   89.6 27.9        0          0 112
## 5845 5845  66    1    1    0  171.6   89.6 30.4        0          0 127
## 5846 5846  60    0    3    1  183.1   91.7 27.3        1          0 141
## 5847 5847  56    1    1    0  174.3   83.6 27.5        1          0 132
## 5848 5848  62    0    1    0  167.9   88.7 31.4        1          0 137
## 5849 5849  59    1    1    0  161.5   73.5 28.2        1          1 132
## 5850 5850  66    0    1    1  175.0   79.5 26.0        0          0 127
## 5851 5851  65    0    1    1  175.0   72.5 23.7        0          0 123
## 5852 5852  61    1    1    1  160.8   71.9 27.8        1          0 131
## 5853 5853  57    1    1    2  174.1   90.7 29.9        0          0 124
## 5854 5854  60    1    1    0  168.3   79.3 28.0        0          0 125
## 5855 5855  65    0    1    0  170.3   77.1 26.6        1          0 134
## 5856 5856  60    1    3    0  174.2   72.9 24.0        0          0 125
## 5857 5857  64    0    3    0  170.3   81.4 28.1        0          0 129
## 5858 5858  57    0    3    1  171.7   80.6 27.3        0          0 123
## 5859 5859  62    0    1    0  174.3   84.6 27.8        0          0 122
## 5860 5860  63    1    3    1  170.6   82.9 28.5        1          0 144
```

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## 5861 5861  65   0  1   2  171.2  85.4 29.1      1        0 149
## 5862 5862  60   0  1   0  171.7  86.3 29.3      0        0 129
## 5863 5863  59   0  1   1  151.8  85.0 36.9      1        0 137
## 5864 5864  62   0  2   2  167.3  91.0 32.5      1        1 132
## 5865 5865  60   1  1   0  152.4  82.9 35.7      1        0 133
## 5866 5866  57   1  1   0  175.8  78.8 25.5      1        0 139
## 5867 5867  62   1  3   0  170.4  85.2 29.3      0        0 126
## 5868 5868  59   1  1   0  171.2  84.5 28.8      0        1 122
## 5869 5869  64   1  1   0  167.4  81.9 29.3      1        1 149
## 5870 5870  60   1  1   0  174.8  75.8 24.8      1        0 144
## 5871 5871  64   0  1   2  176.1  84.9 27.4      0        1 121
## 5872 5872  64   0  4   0  166.9  76.0 27.3      0        1 125
## 5873 5873  61   1  1   1  169.4  79.0 27.5      0        0 127
## 5874 5874  52   1  1   0  156.1  68.0 27.9      0        0 110
## 5875 5875  63   0  2   0  172.9  93.8 31.4      1        1 140
## 5876 5876  62   0  1   0  172.2  81.4 27.5      0        0 130
## 5877 5877  66   0  1   1  170.8  87.5 30.0      1        0 142
## 5878 5878  69   0  1   0  172.1  79.9 27.0      1        0 141
## 5879 5879  65   1  1   0  178.4  91.8 28.8      1        0 134
## 5880 5880  63   0  3   0  178.1  78.4 24.7      1        0 139
## 5881 5881  59   1  1   0  167.4  76.3 27.3      0        0 128
## 5882 5882  64   0  1   0  169.8  78.4 27.2      1        0 139
## 5883 5883  59   1  1   1  169.2  79.8 27.9      0        0 126
## 5884 5884  59   0  1   2  162.5  84.4 32.0      0        1 130
## 5885 5885  67   1  1   0  166.1  89.0 32.3      1        0 131
## 5886 5886  65   1  1   0  171.4  85.1 29.0      0        0 130
## 5887 5887  61   1  2   0  166.3  78.1 28.2      0        0 124
## 5888 5888  66   1  1   0  164.8  87.8 32.3      1        0 135
## 5889 5889  53   1  1   1  170.4  84.5 29.1      1        0 132
## 5890 5890  53   0  1   0  163.9  75.0 27.9      0        0 120
## 5891 5891  65   0  1   0  168.3  77.2 27.2      0        0 118
## 5892 5892  57   0  1   0  173.6  75.4 25.0      1        0 135
## 5893 5893  58   0  1   0  169.6  86.1 29.9      0        0 120
## 5894 5894  60   1  1   1  170.9  73.3 25.1      0        0 118
## 5895 5895  63   0  1   0  168.0  80.1 28.4      1        0 140
## 5896 5896  58   0  1   0  159.7  71.2 27.9      1        0 135
## 5897 5897  59   1  3   0  170.7  73.7 25.3      1        0 131
## 5898 5898  61   0  1   1  168.9  80.9 28.4      1        0 137
## 5899 5899  60   0  3   0  165.6  89.9 32.8      1        0 134
## 5900 5900  55   1  4   0  171.7  74.9 25.4      0        1 122
## 5901 5901  57   1  3   0  166.8  72.7 26.2      1        0 136
## 5902 5902  57   1  1   0  174.6  88.8 29.1      1        0 132
## 5903 5903  61   0  3   1  161.9  77.7 29.6      1        0 135
## 5904 5904  54   1  1   1  166.3  78.2 28.3      1        0 132
## 5905 5905  58   0  1   1  166.2  71.7 25.9      1        0 131
## 5906 5906  55   1  1   0  175.5  73.7 23.9      0        1 121
## 5907 5907  58   0  1   0  163.2  76.7 28.8      0        0 125
## 5908 5908  61   1  1   1  175.3  81.8 26.6      1        0 132
## 5909 5909  56   1  4   0  162.6  93.0 35.2      1        0 132
## 5910 5910  66   1  1   0  165.7  86.9 31.6      1        0 139
## 5911 5911  57   0  1   0  172.7  94.7 31.8      0        0 129
## 5912 5912  60   0  4   1  177.9  81.1 25.6      1        0 141
## 5913 5913  60   0  1   1  170.1  81.9 28.3      1        0 136
## 5914 5914  63   0  4   0  175.5  72.1 23.4      1        0 139
```

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## 5915 5915 61    0    4    1  164.3   82.7 30.6         0         1 129
## 5916 5916 67    1    3    0  175.2   87.5 28.5         0         0 124
## 5917 5917 63    0    4    0  168.0   81.5 28.9         1         0 132
## 5918 5918 55    1    1    0  164.2   79.3 29.4         0         1 119
## 5919 5919 64    1    1    0  170.5   85.2 29.3         1         0 152
## 5920 5920 65    1    1    0  167.3   81.4 29.1         0         0 127
## 5921 5921 65    1    1    0  174.6   64.1 21.0         1         0 131
## 5922 5922 62    1    3    2  178.0   85.7 27.1         1         0 132
## 5923 5923 58    0    3    0  170.1   86.2 29.8         0         0 116
## 5924 5924 56    1    1    1  171.9   73.1 24.7         0         0 129
## 5925 5925 62    0    1    1  176.9   85.8 27.4         0         1 129
## 5926 5926 63    1    4    0  161.1   77.5 29.9         0         0 126
## 5927 5927 66    0    2    1  171.9   73.8 25.0         0         0 128
## 5928 5928 52    1    3    1  172.9   77.6 26.0         0         0 126
## 5929 5929 65    0    3    0  168.6   65.4 23.0         1         0 137
## 5930 5930 67    0    2    2  170.1   74.0 25.6         1         0 135
## 5931 5931 62    1    1    0  181.2   73.7 22.4         1         0 137
## 5932 5932 53    1    4    0  175.0   68.8 22.5         0         0 123
## 5933 5933 64    0    1    1  167.3   84.9 30.3         1         0 138
## 5934 5934 65    1    1    0  175.2   76.2 24.8         0         0 129
## 5935 5935 58    0    1    0  168.5   77.4 27.3         0         1 124
## 5936 5936 62    0    1    0  176.8   90.7 29.0         1         0 131
## 5937 5937 61    0    3    0  161.1   72.9 28.1         1         0 132
## 5938 5938 69    0    2    1  164.8   71.5 26.4         1         0 143
## 5939 5939 63    1    1    0  176.9   82.0 26.2         1         0 137
## 5940 5940 60    0    1    0  172.4   85.6 28.8         1         0 147
## 5941 5941 52    0    3    0  175.7   83.9 27.2         0         0 121
## 5942 5942 60    0    1    0  172.6   77.7 26.1         1         1 139
## 5943 5943 50    0    3    1  165.4   77.4 28.3         0         0 113
## 5944 5944 62    1    1    0  170.7   82.5 28.3         1         0 142
## 5945 5945 61    0    1    2  174.1   79.7 26.3         1         0 134
## 5946 5946 61    0    1    0  173.9   93.1 30.8         1         0 149
## 5947 5947 59    0    3    1  165.9   92.6 33.6         1         0 131
## 5948 5948 54    0    1    0  166.2   81.6 29.5         0         0 122
## 5949 5949 54    0    3    0  166.9   77.0 27.7         0         0 124
## 5950 5950 66    1    1    0  171.3   89.7 30.6         1         1 137
## 5951 5951 57    1    1    0  166.9   72.1 25.9         0         0 125
## 5952 5952 52    0    1    0  181.2   88.7 27.0         1         0 136
## 5953 5953 57    1    1    1  164.8   80.5 29.7         0         1 128
## 5954 5954 61    0    3    0  167.1   84.1 30.1         0         0 121
## 5955 5955 56    1    1    0  171.7   88.1 29.9         1         0 139
## 5956 5956 59    1    1    0  180.2   91.4 28.1         0         0 122
## 5957 5957 63    1    1    0  175.4   77.9 25.3         1         0 146
## 5958 5958 59    0    1    0  170.7   73.9 25.4         1         0 136
## 5959 5959 61    0    1    0  162.9   75.8 28.6         1         1 133
## 5960 5960 57    0    3    1  161.3   90.3 34.7         0         0 130
## 5961 5961 66    1    4    1  166.5   82.2 29.6         1         0 140
## 5962 5962 62    1    2    0  181.3   86.9 26.4         0         1 126
## 5963 5963 64    1    3    1  165.8   79.7 29.0         1         0 135
## 5964 5964 55    0    1    0  155.6   84.1 34.7         0         0 130
## 5965 5965 65    0    1    1  166.0   84.4 30.6         1         0 142
## 5966 5966 58    1    1    0  170.6   63.9 22.0         0         0 120
## 5967 5967 55    0    1    0  170.0   73.7 25.5         0         0 130
## 5968 5968 55    1    4    0  178.9   80.0 25.0         0         0 126
```

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## 5969 5969   61      1      1       0   186.4    81.0 23.3          0          0 126
## 5970 5970   56      1      1       1   162.9    81.2 30.6          0          0 121
## 5971 5971   51      0      1       1   181.1    82.6 25.2          0          0 127
## 5972 5972   58      0      3       0   173.8    79.5 26.3          0          1 121
## 5973 5973   57      1      1       0   175.2    84.7 27.6          0          1 118
## 5974 5974   64      0      1       1   178.0    79.8 25.2          1          0 139
## 5975 5975   58      1      1       0   181.1    72.2 22.0          0          0 124
## 5976 5976   49      0      1       0   172.8    77.0 25.8          0          0 110
## 5977 5977   64      0      3       1   171.1    77.3 26.4          1          0 144
## 5978 5978   61      0      1       1   169.7    79.4 27.6          1          0 133
## 5979 5979   56      0      3       0   172.7    78.6 26.3          0          0 125
## 5980 5980   64      1      1       0   164.9    80.8 29.7          1          0 136
## 5981 5981   47      1      1       2   169.7    83.4 28.9          0          1 119
## 5982 5982   55      0      1       0   176.8    86.7 27.7          0          0 124
## 5983 5983   61      0      4       0   177.4    89.8 28.5          0          1 115
## 5984 5984   66      0      1       1   161.7    74.6 28.5          0          1 123
## 5985 5985   61      0      1       1   178.0    84.9 26.8          1          0 136
## 5986 5986   57      0      3       0   168.1    67.6 23.9          0          0 119
## 5987 5987   57      1      1       2   167.0    75.1 26.9          0          0 129
## 5988 5988   59      0      3       0   169.3    80.8 28.2          0          0 121
## 5989 5989   57      1      1       0   162.0    73.3 27.9          0          0 124
## 5990 5990   63      1      1       1   175.0    80.7 26.4          0          0 129
## 5991 5991   57      1      1       1   178.1    74.8 23.6          0          0 128
## 5992 5992   56      0      1       0   172.2    79.8 26.9          0          1 130
## 5993 5993   65      1      1       0   177.9    91.7 29.0          1          1 140
## 5994 5994   57      0      1       0   170.0    76.0 26.3          1          0 140
## 5995 5995   50      0      1       1   170.6    75.6 26.0          0          1 130
## 5996 5996   63      1      1       0   166.5    73.1 26.4          1          1 136
## 5997 5997   67      1      1       1   173.7    86.5 28.7          1          1 148
## 5998 5998   60      1      1       0   176.9    75.7 24.2          1          0 131
## 5999 5999   61      0      1       1   180.4    86.7 26.6          1          1 132
## 6000 6000   63      0      1       0   169.2    84.8 29.6          0          1 128
## 6001 6001   63      0      1       0   161.2    79.9 30.8          1          0 131
## 6002 6002   55      0      3       0   160.1    69.4 27.1          0          0 126
## 6003 6003   60      0      3       1   167.4    70.4 25.1          1          0 139
## 6004 6004   66      0      1       0   164.6    80.5 29.7          1          0 131
## 6005 6005   60      1      1       0   178.0    76.0 24.0          1          0 136
## 6006 6006   61      1      1       0   172.8    83.9 28.1          0          0 127
## 6007 6007   55      1      1       0   166.6    78.2 28.1          0          0 127
## 6008 6008   57      0      4       0   173.1    66.6 22.2          0          0 122
## 6009 6009   54      1      1       0   167.3    80.4 28.7          1          0 132
## 6010 6010   67      0      1       2   172.3    92.5 31.2          1          0 131
## 6011 6011   55      0      1       1   163.0    81.5 30.7          1          0 135
## 6012 6012   63      1      1       1   177.7    82.2 26.0          0          0 130
## 6013 6013   60      1      1       0   168.9    74.2 26.0          1          0 137
## 6014 6014   62      0      1       0   171.9    90.4 30.6          1          0 135
## 6015 6015   62      0      1       1   168.4    74.6 26.3          0          0 121
## 6016 6016   64      1      1       0   180.9    90.9 27.8          1          0 134
## 6017 6017   57      1      3       0   166.2    80.8 29.2          1          0 133
## 6018 6018   61      1      1       2   164.3    73.2 27.1          0          0 129
## 6019 6019   60      1      3       0   173.4    80.8 26.9          0          0 130
## 6020 6020   48      0      1       0   169.2    80.6 28.1          0          1 123
## 6021 6021   55      0      1       1   171.4    89.6 30.5          0          0 126
## 6022 6022   56      0      4       0   175.0    84.9 27.7          0          0 127
```

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## 6023 6023   63      1      1      1   169.0    72.6 25.4          0         0 115
## 6024 6024   57      0      3      1   168.3    79.9 28.2          1         0 137
## 6025 6025   55      1      4      0   168.4    77.7 27.4          0         0 119
## 6026 6026   62      0      1      1   169.3    75.6 26.4          1         0 135
## 6027 6027   67      0      1      1   173.6    77.9 25.9          1         0 139
## 6028 6028   60      0      4      0   172.4    76.2 25.6          1         0 148
## 6029 6029   59      0      3      1   170.3    88.0 30.4          1         0 132
## 6030 6030   61      1      1      2   165.5    76.5 27.9          1         0 133
## 6031 6031   61      0      3      1   165.3    84.7 31.0          1         0 134
## 6032 6032   53      1      1      2   170.6    83.0 28.5          0         0 125
## 6033 6033   64      0      1      0   181.6    84.4 25.6          0         0 128
## 6034 6034   64      0      1      0   183.6    78.5 23.3          1         0 138
## 6035 6035   65      1      1      1   171.9    77.2 26.1          0         0 127
## 6036 6036   60      1      4      0   173.6    86.5 28.7          0         0 125
## 6037 6037   64      0      1      0   158.0    86.2 34.5          1         0 139
## 6038 6038   57      1      1      0   172.8    76.2 25.5          0         0 128
## 6039 6039   61      1      3      1   166.7    83.1 29.9          1         0 131
## 6040 6040   55      1      2      0   178.8    80.0 25.0          1         0 133
## 6041 6041   62      0      1      0   170.8    89.4 30.7          0         0 124
## 6042 6042   57      1      2      0   175.6    83.3 27.0          0         0 127
## 6043 6043   66      1      1      1   174.1    70.1 23.1          0         1 121
## 6044 6044   64      1      1      1   176.1    89.3 28.8          1         0 146
## 6045 6045   61      0      1      1   181.0    81.3 24.8          0         0 122
## 6046 6046   55      1      4      0   167.3    98.8 35.3          0         0 122
## 6047 6047   62      1      1      2   174.2    74.7 24.6          1         0 131
## 6048 6048   56      0      1      1   182.7    79.4 23.8          1         1 133
## 6049 6049   63      0      3      1   171.6    85.7 29.1          0         0 130
## 6050 6050   57      1      4      0   175.3    70.9 23.1          1         0 136
## 6051 6051   53      1      1      2   175.5    85.8 27.9          0         1 121
## 6052 6052   50      1      4      0   179.6    79.5 24.6          0         0 120
## 6053 6053   67      0      1      1   169.2    81.8 28.6          0         0 128
## 6054 6054   63      1      3      0   160.5    75.6 29.4          1         1 134
## 6055 6055   61      0      1      0   167.1    74.2 26.6          0         0 127
## 6056 6056   56      1      1      0   166.8    68.0 24.5          0         0 124
## 6057 6057   62      0      1      0   172.1    79.6 26.9          0         0 130
## 6058 6058   64      1      1      1   195.9    89.7 23.4          1         0 132
## 6059 6059   56      0      1      0   159.3    93.4 36.8          0         0 119
## 6060 6060   55      1      1      2   166.8    86.9 31.2          1         0 134
## 6061 6061   54      0      1      1   172.4    84.1 28.3          0         1 118
## 6062 6062   57      0      1      0   175.6    70.6 22.9          1         0 137
## 6063 6063   61      1      1      0   164.2    75.6 28.0          1         1 138
## 6064 6064   60      0      1      1   176.0    76.2 24.6          0         0 120
## 6065 6065   63      0      1      1   160.7    79.6 30.8          0         0 121
## 6066 6066   70      1      1      0   178.7    85.2 26.7          0         0 124
## 6067 6067   59      1      1      0   169.0    83.8 29.3          0         0 126
## 6068 6068   59      0      1      1   161.9    82.6 31.5          1         0 133
## 6069 6069   51      0      1      0   170.7    84.7 29.1          0         0 119
## 6070 6070   68      1      1      0   168.4    83.1 29.3          1         1 134
## 6071 6071   61      0      1      0   160.5    81.9 31.8          1         0 139
## 6072 6072   63      1      1      0   160.8    72.5 28.0          0         0 130
## 6073 6073   52      0      1      1   174.7    68.0 22.3          1         0 137
## 6074 6074   57      0      1      0   167.1    76.9 27.5          0         0 125
## 6075 6075   64      1      1      0   186.3    94.3 27.2          1         0 140
## 6076 6076   61      0      1      0   168.4    70.4 24.8          1         0 137
```

```
## 6077 6077 67    1    3    1  174.2   80.5 26.5            0         0 127
## 6078 6078 58    0    3    1  171.1   79.4 27.1            0         1 121
## 6079 6079 63    0    3    0  169.9   82.8 28.7            1         0 139
## 6080 6080 61    0    3    1  165.0   88.9 32.7            1         0 131
## 6081 6081 60    1    1    2  175.0   80.6 26.3            1         0 145
## 6082 6082 60    0    1    0  166.9   68.2 24.5            0         0 121
## 6083 6083 54    0    1    0  179.0   96.3 30.0            0         0 119
## 6084 6084 67    0    1    0  170.8   90.8 31.1            0         0 123
## 6085 6085 58    0    1    0  162.2   77.6 29.5            0         0 130
## 6086 6086 55    0    1    1  167.4   84.9 30.3            0         0 127
## 6087 6087 57    1    1    1  178.6   72.9 22.8            0         0 120
## 6088 6088 57    0    4    1  168.0   73.9 26.2            1         0 131
## 6089 6089 62    0    4    1  165.6   77.2 28.1            0         0 113
## 6090 6090 59    1    4    0  164.2   88.8 33.0            0         0 124
## 6091 6091 58    1    1    1  164.6   77.1 28.5            0         0 127
## 6092 6092 55    0    1    0  169.4   80.8 28.2            0         0 127
## 6093 6093 59    1    1    1  163.8   70.5 26.3            0         1 120
## 6094 6094 64    1    1    1  160.7   81.1 31.4            0         0 130
## 6095 6095 60    1    1    0  171.6   83.1 28.2            0         0 129
## 6096 6096 60    0    1    0  159.2   74.8 29.5            1         0 143
## 6097 6097 62    1    1    1  177.4   81.2 25.8            1         0 134
## 6098 6098 62    1    1    0  170.1   81.0 28.0            0         0 125
## 6099 6099 64    0    4    0  173.3   76.4 25.4            1         1 134
## 6100 6100 63    1    1    0  167.1   75.9 27.2            0         0 129
## 6101 6101 59    0    1    0  173.5   74.8 24.9            0         0 125
## 6102 6102 62    0    1    0  167.5   90.1 32.1            1         0 136
## 6103 6103 62    1    3    2  177.1   78.0 24.9            0         0 127
## 6104 6104 64    1    4    1  180.0   90.6 27.9            0         0 123
## 6105 6105 60    0    3    1  158.4   66.0 26.3            0         0 124
## 6106 6106 66    0    1    0  170.8   83.8 28.7            1         1 150
## 6107 6107 55    1    4    2  168.0   79.6 28.2            1         1 141
## 6108 6108 59    0    1    1  166.6   74.6 26.9            0         0 130
## 6109 6109 61    0    1    1  180.3   84.7 26.0            0         0 118
## 6110 6110 54    0    1    1  165.0   84.8 31.1            0         1 129
## 6111 6111 60    1    1    2  170.0   74.1 25.7            0         0 128
## 6112 6112 61    1    1    0  165.5   86.8 31.7            0         0 119
## 6113 6113 58    0    1    2  167.2   81.6 29.2            0         0 121
## 6114 6114 59    1    3    1  166.9   75.9 27.3            1         0 136
## 6115 6115 53    0    1    0  163.0   77.4 29.1            0         0 126
## 6116 6116 57    1    3    2  172.8   83.4 27.9            1         1 139
## 6117 6117 57    1    1    0  174.9   93.2 30.5            0         1 127
## 6118 6118 57    0    3    0  176.3   87.0 28.0            0         1 118
## 6119 6119 61    0    3    1  164.0   69.2 25.7            1         0 134
## 6120 6120 66    1    1    0  171.2   78.5 26.8            1         0 151
## 6121 6121 59    1    1    0  170.8   85.8 29.4            0         0 122
## 6122 6122 55    0    3    0  168.3   85.6 30.2            1         0 140
## 6123 6123 51    0    3    1  169.6   76.2 26.5            0         0 122
## 6124 6124 56    0    4    0  176.7   74.2 23.8            0         0 121
## 6125 6125 61    0    1    0  165.1   74.6 27.3            1         0 131
## 6126 6126 68    1    1    0  172.4   78.5 26.4            0         0 130
## 6127 6127 49    1    1    0  176.4   81.7 26.3            1         0 135
## 6128 6128 62    0    1    0  179.2   80.3 25.0            0         1 126
## 6129 6129 63    0    1    0  167.0   91.2 32.7            1         1 137
## 6130 6130 61    0    3    1  171.2   83.9 28.6            0         0 128
```

```
## 6131 6131   59   1   1      0   173.1   88.3 29.5            1         0 132
## 6132 6132   50   1   3      1   175.1   80.1 26.1            0         0 103
## 6133 6133   65   1   2      0   169.8   83.0 28.8            1         0 147
## 6134 6134   64   0   1      0   169.2   79.7 27.9            0         0 125
## 6135 6135   57   0   1      0   177.4   97.4 30.9            0         0 126
## 6136 6136   61   1   3      1   158.1   72.7 29.1            1         0 133
## 6137 6137   54   0   1      0   166.2   78.4 28.4            0         0 116
## 6138 6138   59   1   1      0   166.5   80.5 29.1            1         0 132
## 6139 6139   65   1   1      0   176.3   80.9 26.0            0         0 128
## 6140 6140   59   0   4      0   172.7   80.9 27.1            1         0 135
## 6141 6141   57   1   1      1   164.8   70.3 25.9            1         0 132
## 6142 6142   63   1   1      0   165.4   84.8 31.0            0         0 110
## 6143 6143   68   0   1      1   166.8   79.9 28.7            1         0 143
## 6144 6144   62   0   3      1   166.3   86.6 31.3            1         0 134
## 6145 6145   48   1   1      0   163.2   75.5 28.4            0         0 118
## 6146 6146   68   1   1      0   164.8   74.0 27.2            1         0 131
## 6147 6147   57   0   1      0   167.9   72.0 25.5            0         0 130
## 6148 6148   56   1   3      0   166.8   71.7 25.8            0         0 128
## 6149 6149   66   1   1      1   177.3   87.6 27.9            0         0 118
## 6150 6150   48   1   1      1   164.6   84.9 31.3            0         0 104
## 6151 6151   59   1   1      0   178.5   88.7 27.9            0         0 129
## 6152 6152   50   1   4      0   168.8   59.2 20.8            0         0 115
## 6153 6153   64   0   1      1   171.9   73.8 25.0            1         0 137
## 6154 6154   60   0   1      0   176.4   78.8 25.3            1         1 131
## 6155 6155   58   1   1      0   172.4   80.5 27.1            1         0 133
## 6156 6156   63   0   1      0   167.2   77.8 27.8            1         0 133
## 6157 6157   65   1   3      1   171.7   87.2 29.5            1         0 135
## 6158 6158   62   0   3      1   165.3   75.9 27.8            1         0 145
## 6159 6159   61   1   3      1   158.7   75.5 30.0            0         0 122
## 6160 6160   64   1   1      1   159.5   84.4 33.2            1         0 144
## 6161 6161   60   0   3      0   166.7   80.2 28.8            1         0 137
## 6162 6162   56   0   1      1   182.7   86.8 26.0            0         0 128
## 6163 6163   63   0   1      2   171.1   86.4 29.5            1         0 144
## 6164 6164   61   1   1      0   182.4   84.2 25.3            0         0 125
## 6165 6165   58   0   1      0   173.1   87.4 29.2            0         0 127
## 6166 6166   58   1   1      0   170.5   84.8 29.2            1         0 135
## 6167 6167   67   1   4      0   167.2   76.4 27.4            0         0 124
## 6168 6168   62   1   1      0   173.5   84.1 27.9            1         0 146
## 6169 6169   62   1   3      0   180.0   84.3 26.0            1         0 136
## 6170 6170   59   0   3      0   178.2   83.3 26.2            1         0 135
## 6171 6171   67   1   4      1   177.5   74.4 23.6            0         0 128
## 6172 6172   56   0   1      1   164.5   75.5 27.9            1         1 131
## 6173 6173   57   1   3      0   175.8   75.9 24.6            1         1 137
## 6174 6174   59   0   4      0   168.8   78.4 27.5            0         0 122
## 6175 6175   58   1   4      1   166.0   80.1 29.0            1         1 132
## 6176 6176   60   1   1      0   162.2   86.1 32.7            0         0 129
## 6177 6177   59   0   1      0   156.7   70.7 28.8            0         0 121
## 6178 6178   53   1   1      2   170.5   81.0 27.9            0         0 123
## 6179 6179   62   1   3      0   166.6   81.3 29.3            0         0 125
## 6180 6180   70   1   3      1   160.8   81.2 31.4            1         0 138
## 6181 6181   64   1   4      0   177.4   87.6 27.8            1         0 133
## 6182 6182   60   0   3      0   161.1   82.0 31.6            1         0 132
## 6183 6183   67   0   1      0   174.3   91.3 30.0            1         0 143
## 6184 6184   61   1   1      1   170.9   85.7 29.4            0         0 129
```

## 6185	6185	64	1	1	0	165.2	93.9	34.4	1	0	142
## 6186	6186	56	0	1	1	178.1	67.9	21.4	0	0	126
## 6187	6187	54	0	1	2	174.1	86.5	28.5	0	0	123
## 6188	6188	59	0	1	1	167.9	77.1	27.3	0	0	116
## 6189	6189	56	0	1	0	164.2	75.4	28.0	0	0	130
## 6190	6190	61	1	1	1	173.0	80.6	26.9	1	0	143
## 6191	6191	65	1	1	0	177.6	78.3	24.8	1	0	143
## 6192	6192	56	0	1	1	176.2	73.4	23.6	0	0	126
## 6193	6193	60	0	1	0	170.6	87.1	29.9	1	0	136
## 6194	6194	57	0	1	0	180.4	87.4	26.9	0	1	120
## 6195	6195	56	1	1	0	174.2	82.3	27.1	0	0	121
## 6196	6196	53	1	1	0	181.3	88.9	27.0	0	0	125
## 6197	6197	67	1	1	1	157.1	70.5	28.6	1	0	140
## 6198	6198	56	1	4	1	175.1	79.5	25.9	0	0	112
## 6199	6199	68	0	4	1	176.0	76.8	24.8	1	0	149
## 6200	6200	51	1	3	0	169.2	85.1	29.7	1	0	131
## 6201	6201	63	0	1	0	167.7	85.4	30.4	0	1	130
## 6202	6202	58	0	1	0	167.1	73.9	26.5	0	1	129
## 6203	6203	53	0	1	0	170.3	75.2	25.9	0	0	130
## 6204	6204	65	0	2	0	174.2	83.6	27.5	1	0	152
## 6205	6205	67	1	1	1	176.8	94.2	30.1	0	0	127
## 6206	6206	61	1	1	0	164.9	81.2	29.8	1	0	149
## 6207	6207	66	1	1	1	167.1	81.5	29.2	0	0	124
## 6208	6208	58	0	1	0	159.7	78.4	30.8	1	0	136
## 6209	6209	66	1	1	1	173.6	80.9	26.9	1	1	136
## 6210	6210	57	0	4	2	177.4	84.7	26.9	1	0	133
## 6211	6211	59	0	1	1	174.3	85.2	28.0	0	0	125
## 6212	6212	62	0	3	1	175.9	85.4	27.6	1	0	135
## 6213	6213	55	1	1	0	170.8	73.5	25.2	0	0	121
## 6214	6214	65	1	4	0	179.3	86.6	27.0	0	0	127
## 6215	6215	61	0	3	0	171.6	88.6	30.1	0	0	125
## 6216	6216	59	1	4	0	175.0	67.1	21.9	0	0	122
## 6217	6217	66	0	4	1	167.4	60.1	21.5	0	0	130
## 6218	6218	56	1	4	0	167.1	76.7	27.4	0	0	122
## 6219	6219	55	0	3	0	172.7	78.5	26.3	0	0	125
## 6220	6220	54	0	1	0	168.0	83.5	29.6	1	0	133
## 6221	6221	61	1	1	0	176.0	101.7	32.8	0	0	122
## 6222	6222	57	1	1	1	157.2	72.3	29.3	1	0	136
## 6223	6223	59	0	1	2	171.6	73.0	24.8	0	0	124
## 6224	6224	61	0	4	0	166.0	80.2	29.1	1	0	136
## 6225	6225	60	1	2	0	165.4	73.0	26.7	1	0	137
## 6226	6226	62	0	1	0	172.7	77.5	26.0	0	0	129
## 6227	6227	68	1	1	2	171.2	80.2	27.4	1	0	148
## 6228	6228	60	0	3	0	175.9	82.7	26.7	1	0	132
## 6229	6229	60	1	1	0	170.8	75.8	26.0	1	0	143
## 6230	6230	56	0	1	0	169.8	86.2	29.9	0	1	129
## 6231	6231	62	0	1	1	169.2	91.8	32.1	1	0	138
## 6232	6232	57	0	1	0	178.0	79.9	25.2	1	0	134
## 6233	6233	61	1	3	1	172.3	79.4	26.7	0	0	117
## 6234	6234	67	0	2	1	177.0	71.7	22.9	1	1	137
## 6235	6235	58	1	3	1	175.5	77.8	25.3	0	0	116
## 6236	6236	59	0	1	0	164.0	87.0	32.3	0	0	125
## 6237	6237	59	0	3	0	159.5	87.3	34.3	0	1	127
## 6238	6238	55	0	1	0	166.4	74.6	27.0	0	0	123

```
## 6239 6239   59         0    4         0  173.8    95.6 31.7            1            0 143
## 6240 6240   60         0    1         0  169.5    73.5 25.6            1            0 144
## 6241 6241   60         0    1         1  165.0    67.4 24.7            0            0 130
## 6242 6242   59         1    1         0  164.6    91.9 33.9            0            0 129
## 6243 6243   57         1    4         2  172.3    82.5 27.8            1            1 136
## 6244 6244   62         1    3         0  167.5    68.5 24.4            0            0 130
## 6245 6245   59         1    4         1  174.7    82.0 26.8            0            0 122
## 6246 6246   64         0    1         0  161.0    76.5 29.5            1            0 134
## 6247 6247   61         0    1         1  175.0    85.4 27.9            0            1 130
## 6248 6248   53         1    1         0  167.4    78.5 28.0            0            0 125
## 6249 6249   63         0    1         0  167.8    77.6 27.6            1            0 132
##      LDL vaccine severity study recovery_time
## 1     97       0        0     A            31
## 2    112       0        0     A            44
## 3     88       1        0     A            29
## 4     87       0        1     A            47
## 5    118       1        0     A            40
## 6    104       0        0     A            34
## 7     66       0        0     A            31
## 8    104       1        0     A            41
## 9    126       1        1     A            50
## 10   123       1        0     A            33
## 11   102       0        0     A            39
## 12   106       0        0     A            94
## 13   117       1        0     A            36
## 14   112       1        0     A            17
## 15   103       1        0     A            35
## 16   120       0        0     A            35
## 17   146       1        0     A            51
## 18   109       1        1     A            62
## 19    82       0        0     A            39
## 20   122       0        0     A            53
## 21    93       1        0     A            37
## 22   139       0        0     A            48
## 23    80       0        0     A            49
## 24   136       1        0     A            29
## 25   120       1        0     A            36
## 26   115       1        0     A            47
## 27    71       1        1     A            40
## 28    98       0        0     A            47
## 29    80       1        0     A            12
## 30    95       1        0     A            44
## 31   148       1        1     A            30
## 32   113       1        0     A            30
## 33   107       0        0     A            41
## 34   104       0        1     A            51
## 35    94       0        0     A            56
## 36   126       1        1     A            42
## 37   109       1        0     A            71
## 38    97       1        0     A            30
## 39   137       1        0     A            45
## 40    96       1        0     A            37
## 41   139       0        0     A            54
## 42    87       1        1     A            42
```

```
## 43    88   0   0   A   37
## 44   128   1   0   A   40
## 45    70   1   0   A   46
## 46    96   1   0   A   39
## 47   119   0   0   A   40
## 48   137   1   0   A   32
## 49   109   1   0   A   42
## 50   110   0   0   A   38
## 51   115   0   0   A   55
## 52   121   1   0   A   39
## 53   111   1   0   A   19
## 54   118   1   0   A   31
## 55   117   1   0   A   28
## 56    97   1   0   A   24
## 57    73   0   0   A   43
## 58    67   1   0   A   36
## 59   132   0   0   A   44
## 60   115   1   0   A   26
## 61    96   1   0   A   47
## 62   123   1   0   A   40
## 63   137   0   0   A   30
## 64   112   0   0   A   48
## 65   118   1   0   A   36
## 66   118   1   1   A   60
## 67   104   0   0   A   36
## 68   131   0   0   A   46
## 69    90   0   0   A   31
## 70   126   0   0   A   56
## 71   102   1   0   A   32
## 72   104   1   0   A   41
## 73   108   0   0   A   57
## 74   100   1   0   A   43
## 75   100   1   0   A   49
## 76    81   1   0   A   37
## 77    95   0   0   A   51
## 78   121   0   0   A   42
## 79   112   1   1   A   39
## 80    99   1   0   A   31
## 81   119   1   0   A   41
## 82    65   0   0   A   37
## 83   124   0   0   A   50
## 84   111   1   0   A   50
## 85   108   0   0   A   56
## 86   118   0   0   A   38
## 87    95   1   0   A   41
## 88   112   1   0   A   33
## 89   104   1   0   A   33
## 90   154   0   0   A   41
## 91    84   1   0   A   35
## 92   129   1   0   A   48
## 93    94   0   0   A   49
## 94   116   0   0   A   27
## 95   108   1   0   A   51
## 96    95   0   0   A   61
```

```
## 97    59   1   0   A   52
## 98   126   0   0   A   43
## 99   109   1   0   A   32
## 100  146   1   0   A   45
## 101  105   1   0   A   51
## 102  103   1   0   A   47
## 103  115   0   0   A   45
## 104  116   0   0   A   31
## 105   82   1   1   A   38
## 106  127   0   0   A   27
## 107  130   1   0   A   35
## 108  131   1   0   A   37
## 109  121   0   0   A   40
## 110  118   1   0   A   53
## 111   98   1   0   A   38
## 112  143   1   0   A   36
## 113  146   1   0   A   33
## 114  119   1   0   A   58
## 115   94   0   0   A   41
## 116  139   0   0   A   56
## 117   94   1   0   A   44
## 118   96   1   0   A   48
## 119  112   1   0   A   30
## 120  123   1   0   A   28
## 121  151   0   0   A   37
## 122   76   1   0   A   51
## 123   87   1   0   A   30
## 124   97   1   0   A   35
## 125  140   0   0   A   35
## 126  115   1   0   A   39
## 127  137   1   0   A   40
## 128  115   0   0   A   31
## 129  119   1   0   A   43
## 130  117   1   0   A   17
## 131  104   0   0   A   56
## 132   73   1   1   A   50
## 133   77   0   1   A   42
## 134   86   0   0   A   53
## 135   78   1   1   A   43
## 136   71   1   0   A   34
## 137  126   1   0   A   24
## 138   58   1   0   A   29
## 139  159   0   1   A   37
## 140  106   0   0   A   43
## 141  141   1   0   A   34
## 142   91   1   0   A   35
## 143   78   1   1   A   49
## 144  102   1   0   A   54
## 145  144   1   0   A   28
## 146   99   1   0   A   25
## 147  127   1   0   A   48
## 148  123   1   1   A   31
## 149   89   0   0   A   51
## 150   94   1   0   A   66
```

```
## 151  89    0    0    A    36
## 152  117   1    0    A    40
## 153  77    0    0    A    44
## 154  111   1    0    A    40
## 155  90    1    0    A    34
## 156  144   1    0    A    40
## 157  82    0    0    A    46
## 158  115   1    0    A    41
## 159  137   1    0    A    38
## 160  103   1    0    A    44
## 161  136   1    0    A    40
## 162  109   1    0    A    63
## 163  130   1    0    A    57
## 164  98    1    0    A    42
## 165  157   0    0    A    43
## 166  108   0    0    A    44
## 167  76    1    0    A    31
## 168  97    1    0    A    46
## 169  128   0    0    A    49
## 170  104   1    1    A    51
## 171  118   1    0    A    44
## 172  98    0    0    A    58
## 173  128   1    0    A    45
## 174  125   0    0    A    37
## 175  100   1    0    A    49
## 176  82    0    0    A    41
## 177  119   0    0    A    49
## 178  139   0    0    A    23
## 179  104   1    0    A    30
## 180  117   0    0    A    45
## 181  58    1    0    A    31
## 182  82    0    0    A    33
## 183  102   0    0    A    24
## 184  118   1    0    A    32
## 185  109   1    0    A    49
## 186  112   1    0    A    37
## 187  142   1    0    A    34
## 188  127   1    0    A    38
## 189  99    1    0    A    30
## 190  108   0    0    A    50
## 191  97    1    1    A    47
## 192  112   1    0    A    21
## 193  122   1    0    A    35
## 194  121   1    0    A    40
## 195  97    1    0    A    41
## 196  152   1    0    A    34
## 197  106   0    0    A    38
## 198  123   1    0    A    43
## 199  96    1    1    A    75
## 200  68    1    0    A    50
## 201  111   0    0    A    24
## 202  121   1    0    A    48
## 203  84    1    0    A    46
## 204  116   1    0    A    40
```

```
## 205  114   1   1   A    51
## 206  107   1   1   A    25
## 207  101   1   0   A    26
## 208  147   1   1   A    37
## 209  116   0   0   A    45
## 210  157   0   0   A    32
## 211  153   1   0   A    28
## 212   95   0   0   A    39
## 213  111   1   0   A    43
## 214   88   1   0   A    36
## 215  109   0   0   A    59
## 216   86   1   0   A    33
## 217  123   0   0   A    34
## 218  119   1   0   A    54
## 219  138   1   0   A    40
## 220  121   1   0   A    31
## 221  148   0   0   A    29
## 222  127   1   0   A    38
## 223  153   1   0   A    48
## 224  121   1   0   A    38
## 225  102   0   0   A    55
## 226  132   0   0   A    32
## 227  106   1   0   A    21
## 228   77   1   0   A    18
## 229  131   0   0   A    45
## 230  110   0   0   A    45
## 231  142   1   0   A    33
## 232  106   0   0   A    43
## 233  120   1   1   A    38
## 234  111   1   0   A    35
## 235  107   0   0   A    48
## 236  109   0   0   A    43
## 237  121   0   0   A    44
## 238  101   1   0   A    50
## 239  116   0   1   A    33
## 240   84   1   0   A    46
## 241  112   1   0   A    38
## 242  110   0   0   A    31
## 243   98   1   0   A    20
## 244  111   0   1   A    30
## 245  132   0   0   A    25
## 246   79   1   0   A    44
## 247  111   1   0   A    39
## 248  122   1   0   A    49
## 249   86   1   0   A    41
## 250  113   0   0   A    29
## 251   98   1   0   A    83
## 252   84   1   0   A    37
## 253  119   0   0   A    44
## 254  117   0   0   A    47
## 255  114   1   0   A    40
## 256  102   1   0   A    23
## 257   92   1   0   A    53
## 258  114   0   0   A    67
```

```
## 259 134    1      0      A        33
## 260 127    1      0      A        56
## 261 125    1      0      A        53
## 262 137    1      0      A        28
## 263 118    1      1      A        24
## 264  68    1      0      A        37
## 265 139    1      0      A        46
## 266 119    1      0      A        43
## 267 122    1      0      A        39
## 268  90    1      1      A        50
## 269  91    1      0      A        31
## 270 143    1      0      A        49
## 271 107    1      0      A        26
## 272 147    1      0      A        40
## 273 111    0      0      A        21
## 274 111    0      1      A        54
## 275  92    0      0      A        59
## 276 131    0      0      A        59
## 277 111    1      0      A        37
## 278 111    1      0      A        18
## 279 110    1      0      A        34
## 280  96    1      0      A        27
## 281 124    1      0      A        31
## 282 113    1      1      A        67
## 283 108    1      0      A        53
## 284  85    0      0      A        43
## 285 128    0      0      A        55
## 286 112    0      0      A        44
## 287 109    0      0      A        60
## 288 107    1      0      A        49
## 289  89    1      0      A        40
## 290 122    1      0      A        39
## 291 106    0      0      A        39
## 292 104    1      0      A        23
## 293 123    1      0      A        30
## 294  83    0      0      A        23
## 295 114    1      0      A        38
## 296  89    1      0      A        41
## 297 102    1      0      A        57
## 298 113    1      0      A        40
## 299 108    1      0      A        32
## 300 116    0      0      A        44
## 301 123    1      0      A        49
## 302 129    0      0      A        32
## 303 122    1      0      A        43
## 304 142    0      0      A        44
## 305 121    1      0      A        42
## 306 115    0      0      A        27
## 307 115    1      0      A        42
## 308 130    1      0      A        36
## 309 117    1      1      A        53
## 310  99    1      0      A        62
## 311 105    1      0      A        39
## 312 114    0      0      A        45
```

```
## 313   70    1    0    A    30
## 314  115    1    0    A    29
## 315  118    0    0    A    46
## 316   88    0    0    A    34
## 317  141    0    0    A    49
## 318  120    1    0    A    58
## 319   91    0    0    A    12
## 320  126    1    0    A    55
## 321   81    0    0    A    41
## 322   89    1    0    A    33
## 323   89    1    0    A    51
## 324  107    1    0    A    42
## 325  110    1    0    A    42
## 326  146    1    0    A    35
## 327  120    1    0    A    17
## 328  115    0    1    A    45
## 329  113    0    0    A    52
## 330  102    0    0    A    46
## 331  101    0    0    A    42
## 332  103    1    0    A    49
## 333   77    1    0    A    29
## 334   87    0    0    A    46
## 335  119    0    0    A    46
## 336  117    1    0    A    30
## 337  154    0    0    A    22
## 338  131    0    0    A    52
## 339  108    1    0    A    40
## 340   95    0    1    A    73
## 341  140    1    0    A    49
## 342  104    1    0    A    22
## 343  118    0    0    A    67
## 344   89    1    0    A    41
## 345   70    1    0    A    21
## 346  119    0    0    A    45
## 347   94    1    1    A    45
## 348  120    1    0    A    40
## 349  122    1    0    A    38
## 350  130    1    1    A    32
## 351   96    0    0    A    54
## 352  115    1    0    A    30
## 353  119    1    0    A    38
## 354   91    1    0    A    31
## 355  126    1    0    A    37
## 356  133    0    0    A    33
## 357   88    0    0    A    40
## 358  102    1    0    A    36
## 359  124    1    1    A    32
## 360  161    0    0    A    48
## 361  151    0    0    A    33
## 362  112    0    0    A    90
## 363  100    1    0    A    56
## 364  102    1    0    A    48
## 365  114    0    0    A    33
## 366   98    0    1    A    27
```

```
## 367   99    1    0    A    46
## 368   69    1    1    A    25
## 369   85    1    0    A    21
## 370   73    1    0    A    52
## 371  112    0    0    A    37
## 372  141    1    0    A    41
## 373  102    0    0    A    47
## 374  134    1    0    A    36
## 375   91    0    0    A    26
## 376  111    1    0    A    43
## 377   94    0    0    A    44
## 378  108    1    0    A    43
## 379  129    1    0    A    21
## 380  112    1    0    A    34
## 381  140    1    0    A    32
## 382  113    0    0    A    50
## 383   93    1    0    A    33
## 384   95    0    0    A    36
## 385   77    1    0    A    34
## 386  113    1    0    A    21
## 387   96    1    0    A    42
## 388  108    1    0    A    25
## 389  105    1    0    A    45
## 390  100    1    0    A    40
## 391  109    1    0    A    45
## 392  143    1    0    A    50
## 393  115    1    0    A    35
## 394   83    0    0    A    49
## 395   83    0    0    A    34
## 396  121    1    1    A    52
## 397  130    0    0    A    43
## 398  127    0    0    A    32
## 399  105    1    1    A    58
## 400   77    1    0    A    29
## 401  125    0    0    A    34
## 402  122    0    0    A    44
## 403  101    1    0    A    33
## 404   97    1    0    A    30
## 405  102    1    0    A    28
## 406  109    0    1    A    20
## 407  140    1    0    A    39
## 408  142    0    0    A    41
## 409  129    1    0    A    25
## 410  106    0    0    A    50
## 411  113    1    0    A    22
## 412  114    1    0    A    26
## 413  122    1    0    A    32
## 414  140    1    0    A    30
## 415  121    1    1    A    33
## 416  104    1    0    A    40
## 417  127    0    1    A    48
## 418   98    0    0    A    27
## 419  112    0    0    A    24
## 420  110    0    0    A    42
```

```
## 421 115   0   0   A        49
## 422 118   1   0   A        29
## 423  80   1   1   A        37
## 424 116   0   0   A        46
## 425 125   1   0   A        21
## 426 115   0   0   A        34
## 427 117   0   1   A        30
## 428 110   1   0   A        47
## 429 109   0   0   A        47
## 430 139   1   0   A        35
## 431  90   0   0   A        37
## 432 107   1   0   A        38
## 433  79   0   0   A        25
## 434  63   1   0   A        41
## 435  98   1   1   A        67
## 436 104   1   0   A        44
## 437  97   1   0   A        32
## 438 167   0   1   A        37
## 439 122   1   1   A        38
## 440 118   1   0   A        29
## 441 134   1   0   A        28
## 442 107   0   0   A        39
## 443 108   0   0   A        40
## 444 125   1   0   A        38
## 445 144   0   0   A        36
## 446 119   0   0   A        47
## 447  98   0   0   A        48
## 448  86   1   0   A        21
## 449 114   0   0   A        89
## 450 110   1   0   A        35
## 451  94   0   0   A        50
## 452  93   0   0   A        39
## 453 138   0   0   A        45
## 454 116   1   0   A        41
## 455 115   0   0   A        44
## 456 104   0   0   A        39
## 457  86   1   1   A        41
## 458 135   1   0   A        27
## 459 108   1   0   A        36
## 460 138   0   0   A        58
## 461 118   1   1   A        20
## 462 118   1   0   A        32
## 463 109   1   0   A        42
## 464 132   1   0   A        33
## 465 116   0   0   A        34
## 466  97   1   1   A        54
## 467  69   1   0   A        47
## 468 125   1   0   A        45
## 469  93   1   0   A        50
## 470  64   1   1   A        46
## 471 102   1   0   A        46
## 472 134   0   1   A        34
## 473  92   1   0   A        27
## 474  84   1   0   A        22
```

```
## 475 102      0        0        A          55
## 476 135      0        0        A          50
## 477  73      0        0        A          33
## 478 114      0        0        A          52
## 479 134      0        0        A          35
## 480 124      1        0        A          33
## 481 104      1        0        A          52
## 482  99      0        0        A          60
## 483  98      0        0        A          38
## 484 105      1        0        A          35
## 485 140      0        0        A          33
## 486  92      0        0        A          35
## 487 143      0        1        A          35
## 488 139      1        0        A          30
## 489  80      0        0        A          35
## 490  84      1        0        A          43
## 491 132      0        0        A          46
## 492 120      1        0        A          33
## 493 102      0        0        A          35
## 494 100      0        1        A          44
## 495 102      1        0        A          29
## 496 120      0        1        A          41
## 497 142      0        0        A         104
## 498 110      1        0        A          36
## 499 106      0        0        A          30
## 500 136      1        0        A          46
## 501 115      1        0        A          30
## 502 122      1        0        A          53
## 503 119      0        1        A          35
## 504 130      1        0        A          43
## 505 121      0        0        A          50
## 506 103      0        0        A          42
## 507 107      1        0        A          56
## 508 115      0        1        A          49
## 509  83      0        0        A          53
## 510 100      1        0        A          41
## 511 111      1        0        A          34
## 512 108      1        0        A          40
## 513 116      0        1        A          79
## 514 109      1        0        A          48
## 515 105      0        0        A          27
## 516  87      0        0        A          41
## 517 105      0        0        A          54
## 518  85      1        0        A          29
## 519 102      0        1        A          45
## 520  92      1        0        A          33
## 521 103      1        0        A          39
## 522  91      1        0        A          50
## 523 115      1        1        A          36
## 524 110      1        0        A          18
## 525 135      1        0        A          16
## 526  81      0        0        A          51
## 527  88      0        0        A          34
## 528 112      1        0        A          28
```

```
## 529  91   0   0   A   61
## 530 139   0   0   A   33
## 531 153   1   0   A   36
## 532  96   0   0   A   43
## 533 127   1   0   A   35
## 534  90   1   0   A   40
## 535 132   1   0   A   27
## 536 108   0   0   A   41
## 537 125   1   0   A   46
## 538 120   0   0   A   62
## 539 110   1   0   A   42
## 540  96   1   0   A   33
## 541 104   1   0   A   45
## 542  93   0   0   A   23
## 543 127   0   0   A   51
## 544 100   0   0   A   37
## 545 128   1   0   A   40
## 546  66   1   1   A   34
## 547 110   0   0   A   40
## 548 119   0   0   A   33
## 549 128   1   0   A   44
## 550 101   0   0   A   35
## 551 131   0   0   A   49
## 552  83   0   1   A   56
## 553 109   1   0   A   37
## 554 144   1   0   A   42
## 555 140   1   0   A   30
## 556  99   0   0   A   44
## 557  94   0   0   A   32
## 558 136   0   0   A   36
## 559  97   1   0   A   38
## 560  99   0   0   A   59
## 561  92   0   0   A   43
## 562 142   0   0   A   36
## 563 108   0   0   A   22
## 564  98   1   0   A   24
## 565  79   0   0   A   37
## 566 117   0   0   A   37
## 567 115   1   0   A   48
## 568  69   0   0   A   41
## 569 132   0   0   A   24
## 570  84   1   0   A   39
## 571 101   0   0   A   30
## 572 125   1   0   A   33
## 573 143   0   0   A   38
## 574 107   1   0   A   32
## 575 107   1   0   A   35
## 576 132   1   1   A   42
## 577  97   1   0   A   34
## 578 105   1   0   A   45
## 579 104   0   0   A   20
## 580 143   0   0   A   92
## 581 158   0   0   A   54
## 582 108   0   0   A   40
```

```
## 583    99    0    1    A    52
## 584   130    1    0    A    43
## 585   133    1    0    A    42
## 586   130    0    0    A    43
## 587    83    0    0    A    37
## 588   124    0    0    A    37
## 589   126    1    0    A    32
## 590    99    1    0    A    31
## 591   108    0    0    A    48
## 592    80    1    0    A    49
## 593   127    1    1    A    32
## 594    94    0    0    A    43
## 595    86    0    0    A    36
## 596    91    1    1    A    36
## 597    98    0    0    A    50
## 598   114    1    0    A    47
## 599    92    0    0    A    46
## 600    98    1    0    A    25
## 601   116    1    0    A    33
## 602   115    0    0    A    25
## 603   109    1    0    A    34
## 604   117    1    1    A    46
## 605    93    0    0    A    34
## 606   123    1    0    A    54
## 607   110    0    0    A    53
## 608   111    1    0    A    26
## 609   100    1    0    A    41
## 610    87    1    0    A    49
## 611    57    1    0    A    24
## 612   109    1    0    A    38
## 613   126    0    0    A    22
## 614   135    1    0    A    43
## 615   129    0    0    A    53
## 616    78    0    0    A    34
## 617   131    0    0    A    40
## 618    94    1    0    A    37
## 619   120    0    0    A    53
## 620    80    1    0    A    36
## 621    99    0    0    A    42
## 622    75    0    0    A    39
## 623   126    1    0    A    31
## 624   125    0    0    A    45
## 625    93    0    0    A    62
## 626   111    0    0    A    64
## 627   132    0    0    A    40
## 628   114    1    0    A    44
## 629   134    0    0    A    55
## 630   120    1    0    A    19
## 631   113    1    0    A    42
## 632   126    1    0    A    48
## 633   118    1    0    A    38
## 634   107    1    0    A    41
## 635    81    0    0    A    27
## 636   124    1    0    A    48
```

```
## 637   139   1   0   A   32
## 638    98   0   0   A   42
## 639   110   0   0   A   48
## 640    74   0   0   A   49
## 641    74   1   0   A   51
## 642   103   0   0   A   55
## 643    71   0   0   A   48
## 644   107   0   0   A   59
## 645   128   1   0   A   37
## 646   120   0   0   A   52
## 647   115   1   0   A   32
## 648   121   0   0   A   28
## 649   125   0   0   A   50
## 650   126   1   0   A   19
## 651   126   1   0   A   33
## 652    80   1   0   A   42
## 653    93   1   0   A   47
## 654   112   1   0   A   45
## 655   126   1   0   A   35
## 656   101   1   1   A   45
## 657    71   0   0   A   40
## 658   109   1   0   A   31
## 659    98   1   0   A   36
## 660   110   0   0   A   25
## 661   106   1   1   A   27
## 662   114   0   0   A   44
## 663   127   0   0   A   40
## 664    96   1   0   A   45
## 665   125   1   0   A   39
## 666   117   1   0   A   50
## 667   133   1   0   A   28
## 668    81   0   0   A   45
## 669   102   0   1   A   39
## 670   127   0   0   A   45
## 671   143   0   0   A   56
## 672    92   1   0   A   46
## 673   137   0   0   A   34
## 674   135   1   0   A   25
## 675   129   1   0   A   62
## 676   114   1   1   A   46
## 677   115   1   0   A   37
## 678   115   0   1   A   19
## 679   107   1   0   A   33
## 680   108   0   0   A   61
## 681    86   1   0   A   26
## 682   101   0   0   A   46
## 683   108   1   1   A   43
## 684   141   0   0   A   48
## 685   125   1   0   A   25
## 686   103   1   0   A   33
## 687    93   1   1   A   48
## 688   139   1   0   A   65
## 689    77   1   0   A   28
## 690    91   0   0   A   42
```

```
## 691   96    0      0      A         45
## 692  123    0      0      A         42
## 693  141    1      0      A         49
## 694  113    0      0      A         57
## 695   93    0      0      A         77
## 696   71    0      0      A         31
## 697  143    1      0      A         49
## 698  113    1      0      A         38
## 699   58    0      0      A         37
## 700  101    1      1      A         33
## 701  111    1      0      A         43
## 702  110    0      0      A         37
## 703  112    0      0      A         42
## 704  111    1      0      A         41
## 705  103    0      0      A         43
## 706   98    0      0      A         45
## 707  141    1      0      A         42
## 708  131    1      0      A         43
## 709   87    1      0      A         29
## 710   96    1      0      A         39
## 711  114    0      0      A         45
## 712   86    0      1      A         48
## 713  123    0      0      A         49
## 714   92    0      0      A         52
## 715  107    0      1      A         33
## 716  139    0      0      A         49
## 717   86    0      0      A         34
## 718   94    0      0      A         64
## 719  106    0      1      A         38
## 720  125    1      0      A         53
## 721   91    0      0      A         37
## 722  116    0      0      A         52
## 723  129    1      0      A         30
## 724  108    0      0      A         25
## 725  103    1      0      A         38
## 726  133    0      0      A         34
## 727  129    1      0      A         21
## 728  117    1      0      A         29
## 729  127    1      0      A         34
## 730  101    1      1      A         40
## 731  126    1      0      A         30
## 732  106    1      0      A         41
## 733   87    0      0      A         48
## 734  143    1      0      A         33
## 735  126    0      0      A         21
## 736   93    0      0      A         96
## 737  134    0      0      A         46
## 738  112    0      1      A         34
## 739   92    0      0      A         36
## 740  142    0      0      A         33
## 741  100    0      0      A         34
## 742  135    0      0      A         52
## 743  121    1      1      A         37
## 744  131    1      0      A         38
```

```
## 745  138   0    0    A    113
## 746   90   0    0    A     55
## 747  118   0    1    A     22
## 748   28   1    0    A     25
## 749   93   0    0    A     51
## 750  121   1    1    A     28
## 751  134   1    0    A     35
## 752  127   1    0    A     38
## 753  128   0    0    A     52
## 754  109   1    0    A     44
## 755  126   0    0    A     30
## 756  127   1    0    A     38
## 757  148   0    0    A     27
## 758  120   0    1    A     22
## 759  104   0    0    A     16
## 760   90   1    0    A     39
## 761   90   1    0    A     32
## 762   99   1    0    A     52
## 763   80   1    0    A     36
## 764  115   0    0    A     49
## 765  171   0    1    A     33
## 766   82   1    0    A     29
## 767  102   1    0    A     38
## 768  132   0    0    A     40
## 769   90   1    0    A     31
## 770  100   0    0    A     38
## 771  132   0    0    A     47
## 772  116   1    0    A     58
## 773  118   0    0    A     40
## 774  113   0    0    A     49
## 775   98   1    0    A     64
## 776   98   1    0    A     40
## 777   87   1    0    A     42
## 778  103   0    0    A     59
## 779   94   0    0    A     28
## 780  144   1    0    A     47
## 781  127   1    0    A     52
## 782  159   0    0    A     44
## 783  105   0    0    A     55
## 784  123   0    1    A     44
## 785   77   1    0    A     36
## 786  137   1    0    A     22
## 787  138   1    0    A     22
## 788   82   1    0    A     48
## 789  142   1    0    A     56
## 790  127   1    0    A     47
## 791  100   1    0    A     47
## 792  127   1    0    A     52
## 793   84   0    0    A     66
## 794  106   1    0    A     52
## 795  134   0    0    A     62
## 796  135   0    0    A     34
## 797  146   1    0    A     70
## 798  121   1    0    A     44
```

```
## 799  114    0    0    A    49
## 800  116    0    0    A    41
## 801  123    1    0    A    37
## 802  107    1    1    A    46
## 803  103    0    0    A    37
## 804  120    1    0    A    51
## 805   78    0    0    A    75
## 806  152    1    0    A    47
## 807  131    1    0    A    39
## 808   74    1    0    A    47
## 809  143    1    0    A    41
## 810  154    0    0    A    46
## 811  142    1    0    A    29
## 812  104    1    0    A    32
## 813   80    1    0    A    35
## 814  129    1    0    A    45
## 815   80    1    0    A    40
## 816   90    1    0    A    20
## 817  108    0    1    A    40
## 818  118    0    0    A    36
## 819  117    0    0    A    47
## 820  148    1    0    A    48
## 821   98    1    0    A    29
## 822   85    0    0    A    32
## 823  101    1    0    A    34
## 824   98    1    0    A    25
## 825  114    1    1    A    35
## 826  106    1    0    A    30
## 827  115    1    0    A    41
## 828  100    0    0    A    38
## 829   84    0    0    A    41
## 830  102    1    0    A    27
## 831  111    1    0    A    38
## 832  162    1    0    A    42
## 833  112    1    0    A    46
## 834   93    1    0    A    34
## 835  105    0    0    A    29
## 836   92    1    0    A    55
## 837  127    0    0    A    51
## 838  134    0    0    A    32
## 839  129    0    0    A    39
## 840   92    0    0    A    42
## 841  129    1    0    A    46
## 842  111    0    0    A    43
## 843  111    0    0    A    49
## 844  126    0    0    A    39
## 845   86    1    0    A    42
## 846  104    1    0    A    33
## 847  114    0    0    A    35
## 848  124    1    0    A    32
## 849  110    1    0    A    36
## 850  118    0    0    A    49
## 851  136    1    0    A    38
## 852  145    1    0    A    31
```

```
## 853  120     0       0       A       35
## 854   87     0       0       A       29
## 855   80     1       0       A       20
## 856   84     1       0       A       40
## 857  121     1       1       A       32
## 858  117     1       0       A       34
## 859  124     1       1       A       59
## 860  116     1       0       A       42
## 861  124     0       0       A       57
## 862   82     1       0       A       28
## 863   89     0       0       A       40
## 864   97     1       0       A       44
## 865  100     1       0       A       74
## 866   66     1       0       A       50
## 867  101     0       0       A       51
## 868  133     1       0       A       32
## 869  109     1       0       A       40
## 870  124     1       0       A       49
## 871  117     0       0       A       27
## 872  131     1       0       A       46
## 873   95     1       1       A       34
## 874   88     0       0       A       31
## 875  131     0       1       A       45
## 876  105     1       0       A       48
## 877  103     1       0       A       26
## 878  130     0       0       A       33
## 879  107     1       0       A       42
## 880  116     1       1       A       32
## 881  112     1       0       A       41
## 882  117     1       0       A       52
## 883  131     0       1       A       56
## 884   76     1       0       A       43
## 885  139     1       0       A       40
## 886  123     1       0       A       25
## 887   89     1       0       A       38
## 888   72     1       0       A       35
## 889  143     0       0       A       53
## 890   87     1       0       A       36
## 891   65     0       0       A       45
## 892  138     1       0       A       40
## 893   99     1       0       A       30
## 894  132     0       0       A       38
## 895   67     1       0       A       43
## 896  108     0       0       A       27
## 897  100     1       0       A       45
## 898  130     0       0       A       26
## 899  105     0       0       A       37
## 900   89     1       0       A       43
## 901  125     0       0       A       35
## 902  108     1       0       A       26
## 903  133     0       0       A       58
## 904  102     0       0       A       47
## 905  135     1       0       A       52
## 906  116     0       0       A       56
```

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## 907   131        1          0          A              48
## 908   138        0          0          A              41
## 909   110        1          1          A              54
## 910   115        1          0          A              36
## 911   128        1          0          A              34
## 912   128        1          0          A              34
## 913   119        1          0          A              65
## 914   118        0          0          A              52
## 915    88        0          1          A              53
## 916    97        1          1          A              30
## 917   122        1          0          A              25
## 918   111        1          0          A              37
## 919   120        0          0          A              52
## 920   130        1          0          A              40
## 921    91        1          0          A              29
## 922   125        1          0          A              25
## 923   133        1          0          A              42
## 924   121        0          0          A              51
## 925   118        1          0          A              34
## 926   134        1          0          A              27
## 927    90        1          0          A              53
## 928   143        1          0          A              33
## 929    98        0          0          A              27
## 930   109        1          0          A              40
## 931   107        0          0          A              44
## 932   110        1          0          A              35
## 933   112        0          0          A              42
## 934    72        1          1          A              46
## 935   140        1          0          A              49
## 936   113        1          0          A              33
## 937   121        1          1          A              49
## 938    85        0          0          A              34
## 939   126        1          0          A              24
## 940    95        1          0          A              26
## 941    96        0          0          A              16
## 942    98        1          0          A              38
## 943   121        0          0          A              47
## 944   106        0          0          A              51
## 945   118        1          0          A              44
## 946   112        1          0          A              25
## 947    96        1          0          A              45
## 948   113        1          0          A              37
## 949   125        1          0          A              58
## 950   107        0          0          A              43
## 951    80        1          0          A              35
## 952    68        1          0          A              56
## 953    82        1          0          A              41
## 954   100        0          0          A              24
## 955   107        1          1          A              52
## 956   123        0          0          A              37
## 957   102        0          0          A              41
## 958   102        1          0          A              56
## 959    98        1          0          A              56
## 960    89        1          0          A              29
```

```
## 961  103       1          0       A          53
## 962  112       0          0       A          37
## 963  100       0          0       A          74
## 964  126       1          0       A          32
## 965  113       1          0       A          33
## 966  108       1          0       A          39
## 967  124       1          0       A          56
## 968  100       1          0       A          21
## 969   83       1          0       A          33
## 970   83       0          0       A          41
## 971  106       1          1       A          30
## 972   93       1          0       A          42
## 973   94       0          0       A          41
## 974   94       1          0       A          27
## 975  104       1          0       A          30
## 976  136       0          0       A          50
## 977   74       1          1       A          35
## 978   96       0          0       A          59
## 979  132       0          0       A          52
## 980   98       0          0       A          42
## 981  132       0          0       A          38
## 982   97       1          0       A          29
## 983  131       1          0       A          37
## 984  112       1          0       A          48
## 985  109       1          0       A          46
## 986   87       1          0       A          44
## 987  178       0          0       A          37
## 988   87       1          0       A          42
## 989  105       1          0       A          54
## 990   97       1          0       A          33
## 991  120       1          0       A          40
## 992   87       1          0       A          43
## 993   83       1          1       A          38
## 994  112       1          0       A          47
## 995   87       0          0       A          50
## 996  109       1          0       A          19
## 997  135       1          1       A          31
## 998  100       1          0       A          39
## 999  130       0          0       A          38
## 1000 116       0          0       A          54
## 1001 116       0          0       A          57
## 1002 109       1          0       A          46
## 1003 113       1          0       A          23
## 1004 107       1          0       A          36
## 1005  90       1          0       A          46
## 1006 135       0          0       A          43
## 1007 127       1          0       A          48
## 1008  89       0          0       A          34
## 1009 135       1          0       A          62
## 1010 115       1          0       A          33
## 1011 128       0          0       A          38
## 1012  85       1          0       A          45
## 1013 127       1          0       A          26
## 1014 125       0          0       A          45
```

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## 1015  99       1        0        A          45
## 1016 106       0        1        A          38
## 1017 122       1        0        A          39
## 1018 116       0        0        A          44
## 1019 120       1        1        A          32
## 1020 126       0        0        A          42
## 1021 110       0        1        A          62
## 1022 110       1        0        A          38
## 1023 121       0        0        A          37
## 1024 104       0        0        A          53
## 1025 106       0        0        A          39
## 1026  94       1        0        A          53
## 1027 104       1        0        A          38
## 1028  93       1        0        A          33
## 1029 127       0        0        A          48
## 1030 118       0        0        A          53
## 1031  88       0        0        A          34
## 1032 104       1        1        A          24
## 1033 101       1        0        A          57
## 1034 115       0        0        A          47
## 1035 111       0        0        A          60
## 1036 108       1        0        A          48
## 1037  85       0        0        A          37
## 1038  98       1        0        A          34
## 1039 102       0        1        A          57
## 1040 137       0        0        A          46
## 1041 104       1        0        A          28
## 1042 152       0        0        A          62
## 1043  91       1        0        A          53
## 1044 125       1        0        A          13
## 1045 130       0        0        A          47
## 1046 134       1        0        A          36
## 1047  88       1        0        A          38
## 1048  71       1        1        A          38
## 1049 122       0        0        A          19
## 1050 130       1        0        A          35
## 1051 102       1        0        A          14
## 1052  85       1        0        A          47
## 1053 109       1        0        A          40
## 1054  58       1        0        A          42
## 1055 158       1        0        A          49
## 1056  92       1        0        A          41
## 1057  94       1        0        A          45
## 1058 110       0        0        A          36
## 1059  87       1        0        A          17
## 1060  95       0        0        A          52
## 1061  91       1        1        A          59
## 1062 111       1        0        A          40
## 1063 125       0        0        A          50
## 1064  93       1        0        A          43
## 1065 111       1        0        A          26
## 1066 121       1        0        A          47
## 1067 123       0        0        A          26
## 1068  88       0        0        A          29
```

```
## 1069 113       1        0        A         20
## 1070  96       1        0        A         32
## 1071 132       0        0        A         30
## 1072  79       1        0        A         34
## 1073 104       0        0        A         26
## 1074  92       0        0        A         45
## 1075  70       1        0        A         33
## 1076  95       0        0        A         33
## 1077 107       0        0        A         42
## 1078 111       0        0        A         45
## 1079 104       1        0        A         30
## 1080 125       1        1        A         35
## 1081 103       1        0        A         28
## 1082 141       1        1        A         40
## 1083 105       0        0        A         43
## 1084 102       1        0        A         48
## 1085  98       1        0        A         50
## 1086 136       1        0        A         44
## 1087 102       0        0        A         42
## 1088 111       1        0        A         31
## 1089  92       0        0        A         31
## 1090 102       0        0        A         39
## 1091 100       1        0        A         74
## 1092 102       1        0        A         36
## 1093 138       0        0        A         61
## 1094  73       1        1        A         42
## 1095  90       1        0        A         44
## 1096 106       1        0        A         27
## 1097 118       0        0        A         34
## 1098  83       0        1        A         43
## 1099 108       1        1        A         28
## 1100 124       0        0        A         27
## 1101 138       0        1        A         34
## 1102  86       1        0        A         42
## 1103 112       1        0        A         33
## 1104  94       0        1        A         34
## 1105  70       0        0        A         34
## 1106  62       1        1        A         46
## 1107  98       1        0        A         46
## 1108 111       1        0        A         36
## 1109 124       0        1        A         57
## 1110 121       0        1        A         58
## 1111 127       1        0        A         41
## 1112  88       0        0        A         67
## 1113 115       1        1        A         53
## 1114 108       1        0        A         72
## 1115  97       0        1        A         32
## 1116  93       1        0        A         53
## 1117 117       1        0        A         37
## 1118 103       0        0        A         56
## 1119  93       1        1        A         38
## 1120  90       1        0        A         29
## 1121 124       1        0        A         38
## 1122  87       0        0        A         36
```

```
## 1123 133        1        0        A        32
## 1124 123        1        0        A        47
## 1125 101        1        0        A        24
## 1126 124        1        0        A        25
## 1127 141        1        0        A        34
## 1128 107        0        1        A        54
## 1129 100        1        0        A        48
## 1130 134        0        1        A        41
## 1131  71        1        0        A        46
## 1132 144        1        1        A        21
## 1133 116        1        0        A        21
## 1134 123        1        0        A        44
## 1135 102        1        1        A        66
## 1136 101        0        0        A        32
## 1137 113        1        0        A        37
## 1138  77        1        0        A        21
## 1139 114        0        0        A        62
## 1140 109        1        0        A        42
## 1141  80        1        0        A        27
## 1142 135        0        0        A        42
## 1143 119        0        0        A        43
## 1144 135        0        0        A        34
## 1145 108        1        1        A        46
## 1146  99        1        0        A        42
## 1147 152        1        1        A        44
## 1148 109        1        0        A        45
## 1149  98        1        0        A        42
## 1150 130        1        0        A        52
## 1151 110        1        0        A        30
## 1152 123        1        0        A        37
## 1153  86        1        1        A        54
## 1154 129        0        0        A        35
## 1155 127        0        0        A        59
## 1156 133        1        0        A        30
## 1157 134        1        0        A        33
## 1158 117        0        0        A        44
## 1159 136        1        1        A        52
## 1160 108        1        0        A        38
## 1161 103        1        0        A        24
## 1162 131        1        0        A        49
## 1163  91        1        0        A        37
## 1164 112        1        0        A        43
## 1165  98        1        0        A        77
## 1166 115        1        0        A        40
## 1167 106        0        0        A        27
## 1168 149        1        0        A        52
## 1169 127        0        0        A        44
## 1170 108        1        0        A        35
## 1171 116        0        0        A        27
## 1172 108        0        0        A        38
## 1173 156        1        0        A        39
## 1174 129        1        0        A        34
## 1175 105        1        0        A        37
## 1176 104        1        0        A        34
```

```
## 1177 100        1          0        A          10
## 1178  96        1          0        A          36
## 1179 107        1          0        A          32
## 1180 121        0          1        A          29
## 1181  88        1          1        A          31
## 1182 103        0          0        A          44
## 1183 104        0          0        A          56
## 1184 150        1          0        A          35
## 1185  80        1          0        A          43
## 1186 121        0          0        A          43
## 1187  90        1          1        A          41
## 1188  97        1          0        A          25
## 1189 111        1          0        A          32
## 1190 126        0          1        A          47
## 1191 120        1          0        A          44
## 1192 122        0          0        A          48
## 1193  95        1          0        A          51
## 1194 133        1          0        A          50
## 1195 137        0          0        A          62
## 1196  99        1          0        A          28
## 1197  82        1          0        A          50
## 1198  68        0          0        A          31
## 1199  50        1          1        A          69
## 1200 113        1          0        A          42
## 1201  74        1          0        A          47
## 1202 113        1          0        A          37
## 1203  89        1          0        A          41
## 1204 125        1          0        A          34
## 1205 101        1          0        A          53
## 1206 119        0          0        A          45
## 1207  99        0          0        A          28
## 1208 116        0          0        A          30
## 1209 119        1          0        A          45
## 1210 143        1          0        A          47
## 1211  82        0          0        A          34
## 1212 116        0          1        A          48
## 1213 135        1          0        A          11
## 1214 104        1          0        A          39
## 1215 136        1          0        A          46
## 1216 116        1          0        A          17
## 1217 110        0          0        A          44
## 1218 137        0          0        A          44
## 1219  93        1          0        A          33
## 1220  82        0          0        A          38
## 1221 114        0          0        A          50
## 1222 109        0          0        A          32
## 1223  89        0          0        A          47
## 1224 112        1          0        A          49
## 1225 107        1          0        A          37
## 1226  90        1          0        A          28
## 1227 113        0          0        A          39
## 1228 120        1          0        A          33
## 1229 110        0          0        A          41
## 1230  93        0          0        A          51
```

```
## 1231 117        1        0        A        40
## 1232 104        1        0        A        36
## 1233 104        1        0        A        42
## 1234 111        1        1        A        56
## 1235  95        0        0        A        51
## 1236  78        0        1        A        47
## 1237  98        1        0        A        43
## 1238  94        1        0        A        48
## 1239 142        1        0        A        25
## 1240  95        1        0        A        38
## 1241  80        1        0        A        26
## 1242 100        0        0        A        66
## 1243 109        1        0        A        24
## 1244 106        0        0        A        35
## 1245 152        1        0        A        51
## 1246 104        1        0        A        41
## 1247  96        1        0        A        47
## 1248 133        0        0        A        54
## 1249  78        0        0        A        51
## 1250 111        1        0        A        48
## 1251 128        1        0        A        29
## 1252  92        0        0        A        40
## 1253 126        1        0        A        40
## 1254  90        0        0        A        45
## 1255 131        1        1        A        51
## 1256 101        0        0        A        54
## 1257 100        1        1        A        40
## 1258  86        1        0        A        47
## 1259 115        1        0        A        43
## 1260 114        0        1        A        53
## 1261 118        1        0        A        36
## 1262 124        0        0        A        49
## 1263 110        1        0        A        53
## 1264  72        1        0        A        53
## 1265 112        0        1        A        51
## 1266  86        1        0        A        35
## 1267 109        1        0        A        29
## 1268 105        1        1        A        36
## 1269  76        0        0        A        45
## 1270 106        1        0        A        34
## 1271 114        0        0        A        48
## 1272 132        0        0        A        62
## 1273 120        1        0        A        32
## 1274 137        0        0        A        25
## 1275 119        1        0        A        24
## 1276  77        1        0        A        37
## 1277 109        0        0        A        33
## 1278  98        0        0        A        48
## 1279  96        1        0        A        27
## 1280 131        0        0        A        32
## 1281  97        0        0        A        40
## 1282 101        1        0        A        43
## 1283  92        0        0        A        37
## 1284 125        0        0        A        42
```

```
## 1285 115       0       0       A       31
## 1286 114       1       0       A       27
## 1287  84       0       0       A       84
## 1288  89       1       0       A       30
## 1289 101       1       0       A       44
## 1290 120       0       0       A       49
## 1291 127       1       0       A       28
## 1292 116       0       0       A       43
## 1293  99       1       0       A       25
## 1294 123       0       0       A       50
## 1295 109       1       0       A       36
## 1296 138       0       0       A       43
## 1297 116       0       1       A       72
## 1298  89       0       0       A       51
## 1299  92       1       0       A       55
## 1300 108       1       1       A       33
## 1301 111       1       0       A       35
## 1302 105       1       0       A       24
## 1303 109       1       0       A       42
## 1304 130       1       0       A       31
## 1305  93       1       1       A       69
## 1306  96       1       1       A       34
## 1307 116       1       0       A       30
## 1308 149       0       0       A       51
## 1309  62       1       0       A       28
## 1310 150       1       0       A       30
## 1311 105       1       0       A       30
## 1312 129       1       0       A       44
## 1313 104       1       0       A       42
## 1314  91       0       0       A       68
## 1315 106       0       0       A       35
## 1316 104       1       0       A       24
## 1317 120       1       0       A       26
## 1318 108       0       0       A       43
## 1319 107       1       0       A       56
## 1320  98       0       0       A       40
## 1321 109       1       0       A       23
## 1322 106       1       0       A       41
## 1323 123       0       0       A       47
## 1324  80       1       0       A       44
## 1325  98       0       0       A       32
## 1326 106       0       0       A       40
## 1327  96       1       0       A       30
## 1328 138       1       0       A       23
## 1329 103       1       0       A       36
## 1330 142       1       0       A       68
## 1331 137       1       0       A       50
## 1332 108       0       0       A       44
## 1333  70       0       0       A       33
## 1334 110       1       0       A       29
## 1335 119       1       0       A       46
## 1336 103       0       0       A       62
## 1337 136       1       0       A       33
## 1338  83       0       0       A       30
```

```
## 1339 144        0        0        A         72
## 1340 112        0        0        A         47
## 1341  57        1        1        A         58
## 1342 101        1        0        A         29
## 1343 137        1        0        A         34
## 1344 123        1        0        A         26
## 1345  99        0        0        A         35
## 1346 101        0        0        A         34
## 1347 131        1        0        A         42
## 1348 149        0        1        A         44
## 1349  91        1        0        A         37
## 1350  83        1        1        A         41
## 1351  82        0        1        A         52
## 1352  99        0        0        A         47
## 1353  74        0        1        A         53
## 1354 129        1        0        A         72
## 1355 111        1        0        A         29
## 1356 100        0        0        A         22
## 1357 101        0        0        A         50
## 1358 112        0        0        A         42
## 1359 101        1        0        A         51
## 1360  95        0        0        A         56
## 1361 125        0        0        A         45
## 1362  92        0        0        A         36
## 1363 107        0        0        A         42
## 1364  91        1        0        A         27
## 1365 142        1        0        A         22
## 1366  94        0        0        A         54
## 1367 143        0        0        A         51
## 1368 111        0        0        A         19
## 1369  78        1        0        A         28
## 1370 127        1        0        A         32
## 1371 131        0        0        A         30
## 1372 120        1        0        A         24
## 1373 126        0        0        A         40
## 1374 138        1        0        A         29
## 1375 104        1        0        A         36
## 1376  73        0        0        A         20
## 1377  89        1        0        A         45
## 1378  94        1        0        A         41
## 1379 101        0        0        A         40
## 1380  95        1        0        A         22
## 1381  94        0        1        A         48
## 1382 135        0        0        A         46
## 1383  96        1        0        A         42
## 1384  79        1        0        A         27
## 1385 111        1        0        A         33
## 1386 156        1        0        A         22
## 1387 118        0        0        A         28
## 1388 112        1        0        A         36
## 1389 119        0        0        A         38
## 1390 112        1        0        A         36
## 1391 112        1        0        A         46
## 1392 113        1        0        A         47
```

```
## 1393 112        1          0          A              37
## 1394 126        1          0          A              38
## 1395 116        1          1          A              48
## 1396  99        1          0          A              36
## 1397 128        1          0          A              45
## 1398 137        1          1          A              41
## 1399  87        1          0          A              38
## 1400 132        1          0          A              32
## 1401 141        0          0          A              50
## 1402  89        1          0          A              40
## 1403  72        1          0          A              51
## 1404 111        1          0          A              38
## 1405  83        1          0          A              26
## 1406 112        1          0          A              23
## 1407  95        1          0          A              27
## 1408 142        0          1          A              52
## 1409  90        0          0          A              48
## 1410 111        1          0          A              31
## 1411  95        1          0          A              41
## 1412  75        1          0          A              36
## 1413 138        1          1          A              48
## 1414  98        0          0          A              27
## 1415 134        1          0          A              35
## 1416 115        0          0          A              53
## 1417 139        1          0          A              43
## 1418  93        0          0          A              33
## 1419 123        0          0          A              50
## 1420  92        1          0          A              44
## 1421 127        0          0          A              58
## 1422 154        1          0          A              50
## 1423 109        1          0          A              36
## 1424 114        0          1          A              57
## 1425 107        1          0          A              29
## 1426 126        1          1          A              57
## 1427 115        0          0          A              49
## 1428 114        0          0          A              32
## 1429  99        1          0          A              31
## 1430  94        0          0          A              53
## 1431  98        1          0          A              47
## 1432 148        0          0          A              39
## 1433 101        0          0          A              60
## 1434 115        0          0          A              36
## 1435 122        0          0          A              66
## 1436  90        1          0          A              42
## 1437 140        1          0          A              45
## 1438  96        1          0          A              34
## 1439  96        0          0          A              39
## 1440 112        1          0          A              37
## 1441 119        1          0          A              32
## 1442 111        1          0          A              43
## 1443 117        0          0          A              50
## 1444  90        0          0          A              44
## 1445 112        1          0          A              43
## 1446 100        1          0          A              41
```

```
## 1447 116        1         0         A          40
## 1448  90        1         0         A          30
## 1449  84        1         0         A          49
## 1450 111        1         0         A          34
## 1451  95        0         0         A          43
## 1452  94        1         0         A          24
## 1453 117        0         1         A          55
## 1454 129        1         0         A          34
## 1455 160        1         0         A          29
## 1456 108        1         0         A          22
## 1457 101        0         0         A          42
## 1458  95        1         0         A          48
## 1459 117        0         0         A          32
## 1460  84        1         0         A          38
## 1461 119        1         0         A          43
## 1462  81        0         0         A          38
## 1463  74        1         0         A          52
## 1464 101        1         0         A          21
## 1465 121        1         0         A          45
## 1466 117        0         0         A          35
## 1467 115        0         0         A          34
## 1468 113        0         0         A          44
## 1469  79        1         0         A          18
## 1470 104        1         0         A          53
## 1471 127        0         0         A          44
## 1472 113        0         0         A          30
## 1473 103        0         0         A          53
## 1474 133        1         0         A          36
## 1475  88        0         0         A          15
## 1476  90        0         0         A          43
## 1477 121        1         0         A          46
## 1478 115        0         0         A          41
## 1479 123        1         0         A          39
## 1480 144        1         0         A          48
## 1481 117        0         0         A          42
## 1482  95        1         0         A          42
## 1483 115        1         0         A          24
## 1484 143        1         0         A          39
## 1485 125        0         0         A          48
## 1486  88        1         0         A          51
## 1487 116        0         0         A          48
## 1488  89        0         0         A          47
## 1489 112        1         0         A          38
## 1490 125        1         0         A          55
## 1491 104        0         0         A          39
## 1492 122        1         0         A          32
## 1493 112        1         0         A          41
## 1494  90        1         0         A          44
## 1495 106        1         0         A          31
## 1496  94        1         0         A          36
## 1497 131        0         0         A          39
## 1498 124        1         0         A          42
## 1499  81        1         0         A          26
## 1500  86        1         0         A          41
```

```
## 1501  92        0        0        A          40
## 1502  98        1        0        A          33
## 1503 111        0        0        A          46
## 1504 104        1        0        A          47
## 1505  84        0        0        A          33
## 1506 129        1        1        A          47
## 1507 122        1        0        A          45
## 1508  98        0        0        A          59
## 1509 111        1        0        A          47
## 1510  88        1        1        A          35
## 1511  79        1        0        A          39
## 1512 104        1        0        A          26
## 1513 162        0        0        A          49
## 1514  70        1        0        A          46
## 1515 139        1        0        A          34
## 1516 141        1        0        A          46
## 1517  70        1        0        A          42
## 1518 117        1        0        A          31
## 1519 105        0        1        A          25
## 1520  79        0        1        A          47
## 1521 113        1        0        A          40
## 1522 103        1        1        A          51
## 1523 125        0        0        A          32
## 1524 131        0        0        A          37
## 1525 100        1        0        A          38
## 1526 122        0        0        A          49
## 1527  91        1        0        A          34
## 1528 120        1        0        A          40
## 1529 109        1        0        A          43
## 1530  88        0        0        A          36
## 1531 106        0        0        A          42
## 1532  87        1        0        A          15
## 1533 148        0        0        A         104
## 1534 142        1        0        A          36
## 1535  97        0        0        A          51
## 1536 106        1        1        A          50
## 1537 109        1        0        A          35
## 1538 103        1        0        A          54
## 1539  98        0        0        A          39
## 1540 128        1        0        A          38
## 1541 129        0        0        A          30
## 1542 117        1        0        A          37
## 1543 137        1        0        A          40
## 1544  95        0        0        A          43
## 1545 100        1        0        A          49
## 1546 112        1        0        A          39
## 1547 101        1        0        A          40
## 1548 113        0        0        A          22
## 1549 121        1        0        A          59
## 1550 109        1        0        A          33
## 1551 115        1        0        A          24
## 1552  91        1        0        A          32
## 1553 106        0        0        A          24
## 1554 146        1        0        A          33
```

```
## 1555 114         0         0         A          53
## 1556 110         1         0         A          43
## 1557 100         1         0         A          40
## 1558 128         0         0         A          43
## 1559 149         0         0         A          38
## 1560 133         1         0         A          35
## 1561 123         0         0         A          65
## 1562 103         0         1         A          29
## 1563  97         1         0         A          25
## 1564 104         1         1         A          37
## 1565  98         0         0         A          36
## 1566 103         0         0         A          36
## 1567 131         1         0         A          31
## 1568 108         0         1         A          45
## 1569  93         1         0         A          30
## 1570 105         1         1         A          44
## 1571 107         1         0         A          19
## 1572 102         0         0         A          29
## 1573 116         1         0         A          38
## 1574  83         1         0         A          35
## 1575 115         0         0         A          30
## 1576 118         1         1         A          39
## 1577 100         1         0         A          51
## 1578  93         1         0         A          48
## 1579 165         1         0         A          39
## 1580 122         1         0         A          16
## 1581 120         1         0         A          33
## 1582 120         1         0         A          53
## 1583 147         1         0         A          32
## 1584 106         0         0         A          53
## 1585  93         0         0         A          41
## 1586 112         0         0         A          34
## 1587 101         0         0         A          33
## 1588 127         0         0         A          48
## 1589  95         1         1         A          48
## 1590  70         1         0         A          41
## 1591 113         1         0         A          41
## 1592  75         0         0         A          61
## 1593  78         0         0         A          31
## 1594  97         0         0         A          49
## 1595 106         1         0         A          34
## 1596  98         1         0         A          34
## 1597  77         0         0         A          47
## 1598  83         1         0         A          30
## 1599  62         0         1         A          45
## 1600 135         1         0         A          25
## 1601 122         1         0         A          28
## 1602 134         0         0         A          33
## 1603  99         1         0         A          37
## 1604 143         1         1         A          40
## 1605 133         1         0         A          51
## 1606  96         1         0         A          25
## 1607  84         0         0         A          42
## 1608 104         1         0         A          42
```

```
## 1609 126      0      0      A      51
## 1610 144      1      0      A      51
## 1611 104      0      0      A      48
## 1612 113      0      0      A      54
## 1613  83      1      0      A      78
## 1614 112      1      0      A      42
## 1615  76      1      0      A      42
## 1616 145      1      1      A      40
## 1617 128      1      0      A      35
## 1618 138      1      0      A      67
## 1619  92      1      1      A      59
## 1620 142      1      0      A      46
## 1621 114      1      0      A      32
## 1622 132      1      0      A      22
## 1623 106      1      1      A      38
## 1624 103      1      0      A      34
## 1625 150      1      1      A      42
## 1626 129      1      0      A      35
## 1627 121      1      0      A      32
## 1628 117      0      0      A      40
## 1629 127      0      0      A      42
## 1630 107      1      0      A      38
## 1631 140      1      0      A      48
## 1632  79      1      0      A      34
## 1633  89      1      0      A      37
## 1634 111      0      0      A      30
## 1635  81      0      0      A      43
## 1636 125      1      0      A      49
## 1637 101      1      0      A      27
## 1638 102      0      0      A      49
## 1639 111      1      0      A      41
## 1640  97      0      0      A      62
## 1641 130      0      0      A      43
## 1642 116      0      0      A      25
## 1643 129      0      0      A      38
## 1644  82      1      0      A      40
## 1645 142      1      0      A      31
## 1646 133      1      0      A      42
## 1647 106      1      0      A      42
## 1648  63      1      0      A      35
## 1649 134      0      0      A      44
## 1650 147      1      0      A      42
## 1651 120      1      0      A      37
## 1652 109      0      0      A      53
## 1653 128      1      0      A      38
## 1654  83      1      0      A      47
## 1655 148      1      0      A      42
## 1656  67      1      1      A      33
## 1657 124      0      0      A      29
## 1658 120      0      0      A      38
## 1659 141      1      0      A      35
## 1660 123      1      0      A      24
## 1661  98      1      0      A      16
## 1662 103      0      0      A      34
```

```
## 1663 100        1         0        A        39
## 1664 107        1         1        A        51
## 1665 123        1         0        A        51
## 1666 130        1         0        A        44
## 1667  68        1         0        A        34
## 1668  88        0         0        A        43
## 1669  71        1         0        A        30
## 1670  99        0         1        A        59
## 1671 154        1         0        A        35
## 1672 123        0         0        A        26
## 1673 100        1         0        A        35
## 1674  83        0         0        A        35
## 1675 136        1         1        A        54
## 1676 127        1         0        A        49
## 1677 110        1         0        A        39
## 1678  80        0         0        A        22
## 1679 106        0         0        A        40
## 1680 140        0         0        A        41
## 1681 113        0         0        A        45
## 1682  96        0         0        A        50
## 1683 119        0         0        A        44
## 1684 143        1         0        A        49
## 1685  85        1         0        A        56
## 1686  75        1         0        A        41
## 1687 103        1         1        A        49
## 1688  97        1         0        A        39
## 1689 101        1         1        A        39
## 1690 146        0         0        A        47
## 1691 116        0         0        A        55
## 1692  92        1         0        A        38
## 1693 133        1         0        A        46
## 1694 132        0         0        A        39
## 1695  84        1         0        A        33
## 1696 118        1         1        A        48
## 1697 123        1         0        A        36
## 1698 114        0         0        A        38
## 1699 103        1         0        A        38
## 1700 107        0         0        A        39
## 1701  98        1         0        A        82
## 1702 139        1         0        A        35
## 1703 120        0         0        A        26
## 1704  74        1         0        A        31
## 1705 111        1         0        A        54
## 1706 129        0         0        A        48
## 1707  96        1         0        A        38
## 1708  79        0         0        A        27
## 1709 107        1         0        A        36
## 1710 100        0         0        A        47
## 1711 111        0         0        A        32
## 1712 101        0         0        A        57
## 1713 117        1         0        A        28
## 1714  73        0         0        A        36
## 1715 110        1         0        A        39
## 1716 121        1         0        A        53
```

```
## 1717 106        1          0      A          32
## 1718 129        0          0      A          37
## 1719  87        1          0      A          79
## 1720 110        1          0      A          47
## 1721 114        0          0      A          21
## 1722 121        1          1      A          44
## 1723  97        1          0      A          31
## 1724 111        0          0      A          70
## 1725  96        1          0      A          34
## 1726 117        0          0      A          55
## 1727 136        1          1      A          51
## 1728 122        1          0      A          39
## 1729 108        1          0      A          27
## 1730 126        1          1      A          33
## 1731 113        0          0      A          52
## 1732 109        0          0      A          38
## 1733 125        1          1      A          41
## 1734 116        0          0      A          54
## 1735 119        1          0      A          48
## 1736 144        1          0      A          48
## 1737 136        1          0      A          52
## 1738  81        0          0      A          41
## 1739 132        0          0      A          39
## 1740 131        0          0      A          33
## 1741 103        1          0      A          35
## 1742 114        1          0      A          33
## 1743 100        1          0      A          35
## 1744 131        1          0      A          25
## 1745 145        0          0      A          49
## 1746 114        0          0      A          36
## 1747  78        0          0      A          40
## 1748  77        1          0      A          22
## 1749 106        1          0      A          39
## 1750  91        0          0      A          32
## 1751 100        1          0      A          55
## 1752 150        1          0      A          35
## 1753 119        0          0      A          39
## 1754 114        1          0      A          59
## 1755 131        1          0      A          27
## 1756 119        1          0      A          43
## 1757 143        1          0      A          41
## 1758 153        0          1      A          62
## 1759  80        0          0      A          35
## 1760 120        1          0      A          43
## 1761 125        1          0      A          36
## 1762 128        1          0      A          51
## 1763  95        1          0      A          32
## 1764  97        1          1      A          45
## 1765 101        1          0      A          42
## 1766 121        1          0      A          31
## 1767  86        1          0      A          32
## 1768 122        1          1      A          44
## 1769  82        1          0      A          44
## 1770 145        0          0      A          37
```

```
## 1771 103        0        0        A        35
## 1772  79        1        0        A        40
## 1773 132        1        0        A        41
## 1774 133        0        0        A        51
## 1775  61        1        0        A        23
## 1776 120        0        0        A        47
## 1777 117        0        0        A        55
## 1778 107        1        0        A        30
## 1779 139        1        0        A        37
## 1780 134        0        0        A        44
## 1781 147        0        1        A        42
## 1782 122        1        0        A        52
## 1783 105        1        0        A        47
## 1784  89        0        0        A        33
## 1785 131        1        0        A        33
## 1786 102        0        0        A        44
## 1787 103        1        0        A        31
## 1788  87        1        0        A        39
## 1789  92        1        0        A        26
## 1790  92        0        0        A        34
## 1791  66        0        0        A        44
## 1792 139        1        0        A        30
## 1793 108        1        0        A        54
## 1794 124        1        0        A        20
## 1795 123        1        0        A        39
## 1796  99        1        0        A        33
## 1797  77        0        0        A        34
## 1798 144        0        0        A        42
## 1799 132        0        0        A        45
## 1800 119        0        1        A        30
## 1801  99        0        0        A        36
## 1802 142        1        0        A        30
## 1803 126        1        0        A        22
## 1804 151        1        0        A        30
## 1805  81        1        0        A        50
## 1806 124        1        0        A        30
## 1807 113        1        0        A        37
## 1808 100        1        0        A        63
## 1809  94        1        0        A        41
## 1810 101        1        0        A        41
## 1811 108        0        0        A        33
## 1812 134        0        0        A        36
## 1813  88        1        0        A        55
## 1814 102        1        0        A        43
## 1815 103        0        0        A        52
## 1816  96        1        0        A        55
## 1817 144        1        0        A        36
## 1818 139        0        0        A        44
## 1819  99        0        0        A        39
## 1820 103        0        0        A        34
## 1821  86        0        0        A        75
## 1822  97        1        1        A        25
## 1823 101        1        0        A        49
## 1824 127        0        0        A        28
```

```
## 1825 114        1        0        A        28
## 1826 131        1        0        A        33
## 1827  92        0        0        A        44
## 1828 108        1        0        A        40
## 1829  99        1        0        A        14
## 1830  94        0        0        A        41
## 1831 102        0        0        A        52
## 1832 128        0        0        A        32
## 1833 129        1        0        A        39
## 1834  92        1        0        A        48
## 1835 118        0        0        A        42
## 1836 123        1        0        A        35
## 1837 106        0        0        A        52
## 1838 109        1        0        A        47
## 1839 101        1        0        A        41
## 1840 132        0        0        A        59
## 1841 104        0        0        A        45
## 1842 143        1        0        A        22
## 1843 139        1        0        A        38
## 1844 125        0        0        A        56
## 1845 145        1        0        A        34
## 1846 100        1        0        A        31
## 1847  94        1        0        A        50
## 1848 102        1        0        A        42
## 1849 102        1        0        A        37
## 1850 120        1        0        A        24
## 1851  81        1        0        A        51
## 1852 108        0        0        A        31
## 1853  77        1        1        A        40
## 1854  81        0        0        A        30
## 1855 157        0        0        A        54
## 1856 119        1        0        A        36
## 1857 109        0        0        A        52
## 1858 130        0        0        A        37
## 1859 150        1        0        A        34
## 1860 109        0        0        A        53
## 1861 120        1        0        A        54
## 1862  92        0        0        A        52
## 1863  71        0        0        A        37
## 1864 119        1        0        A        36
## 1865 116        1        1        A        44
## 1866 114        0        1        A        46
## 1867 121        1        0        A        48
## 1868 141        0        0        A        53
## 1869 127        1        0        A        44
## 1870 118        1        0        A        42
## 1871 102        0        0        A        47
## 1872 116        0        0        A        55
## 1873 106        1        0        A        32
## 1874  99        1        0        A        35
## 1875 118        1        0        A        49
## 1876 113        0        0        A        38
## 1877  95        1        0        A        44
## 1878 129        1        0        A        49
```

```
## 1879 125        0        0        A        59
## 1880 111        1        0        A        35
## 1881 125        0        0        A        39
## 1882 121        0        1        A        36
## 1883 118        1        0        A        50
## 1884 118        1        0        A        43
## 1885 148        1        0        A        39
## 1886 107        1        0        A        27
## 1887  93        0        0        A        37
## 1888 105        1        1        A        38
## 1889  86        0        0        A        46
## 1890 104        1        0        A        37
## 1891  86        1        0        A        41
## 1892 124        0        1        A        44
## 1893 115        1        0        A        43
## 1894 143        0        0        A        51
## 1895 101        0        0        A        48
## 1896 127        0        0        A        39
## 1897 138        0        0        A        41
## 1898  78        1        0        A        31
## 1899 126        0        0        A        34
## 1900  68        1        0        A        40
## 1901 106        0        0        A        25
## 1902 124        1        0        A        38
## 1903 124        1        0        A        40
## 1904 100        1        1        A        51
## 1905 160        1        0        A        57
## 1906 118        0        0        A        29
## 1907 115        1        0        A        35
## 1908  92        0        0        A        31
## 1909 151        1        0        A        42
## 1910 117        0        0        A        35
## 1911 105        0        0        A        22
## 1912 116        1        0        A        41
## 1913 114        1        0        A        26
## 1914 129        1        0        A        24
## 1915 126        1        0        A        39
## 1916 133        0        0        A        42
## 1917 122        1        0        A        38
## 1918 119        0        0        A        55
## 1919 108        0        0        A        30
## 1920 116        0        1        A        57
## 1921 120        0        0        A        27
## 1922 129        0        0        A        47
## 1923  96        1        0        A        38
## 1924 133        0        0        A        26
## 1925 103        1        0        A        42
## 1926 122        1        0        A        20
## 1927 113        1        0        A        32
## 1928 132        1        0        A        41
## 1929 110        1        1        A        33
## 1930 107        1        1        A        19
## 1931  80        0        0        A        39
## 1932  91        1        0        A        42
```

```
## 1933  97        0        0        A        29
## 1934 113        0        0        A        49
## 1935 127        0        0        A        52
## 1936 102        0        0        A        45
## 1937 100        1        1        A        25
## 1938  65        1        0        A        30
## 1939 148        0        0        A        57
## 1940 106        0        0        A        36
## 1941 149        1        0        A        37
## 1942 110        1        1        A        45
## 1943 124        1        0        A        29
## 1944 109        1        0        A        32
## 1945 107        0        0        A        48
## 1946  98        1        0        A        29
## 1947 143        1        0        A        35
## 1948 122        1        0        A        30
## 1949 108        1        0        A        42
## 1950  85        0        0        A        22
## 1951  76        1        0        A        36
## 1952 119        0        0        A        37
## 1953 123        1        0        A        45
## 1954 126        1        0        A        64
## 1955  82        1        0        A        39
## 1956 107        0        0        A        26
## 1957 152        1        0        A        51
## 1958 118        1        0        A        34
## 1959  91        0        0        A        41
## 1960 114        1        0        A        41
## 1961 103        0        0        A        45
## 1962  76        1        0        A        54
## 1963  80        1        0        A        42
## 1964 100        1        0        A        43
## 1965 115        1        0        A        41
## 1966 116        1        1        A        37
## 1967 140        0        0        A        47
## 1968  99        0        0        A        38
## 1969 120        0        0        A        48
## 1970  79        1        0        A        35
## 1971  98        1        0        A        40
## 1972 120        1        0        A        46
## 1973 118        1        0        A        44
## 1974 125        1        0        A        29
## 1975 117        0        0        A        37
## 1976  92        0        0        A        39
## 1977 102        1        1        A        37
## 1978 143        1        0        A        31
## 1979 143        0        0        A        30
## 1980  80        0        0        A        33
## 1981 112        0        0        A        44
## 1982 103        1        0        A        45
## 1983 127        1        0        A        15
## 1984 149        0        0        A        45
## 1985  86        0        0        A        49
## 1986 117        1        0        A        38
```

```
## 1987 112          1          0          A          39
## 1988 123          1          1          A          41
## 1989 138          1          0          A          24
## 1990 133          1          1          A          47
## 1991 102          1          0          A          34
## 1992 108          0          0          A          39
## 1993 109          0          0          A          37
## 1994 110          0          0          A          33
## 1995  98          1          0          A          28
## 1996 101          0          0          A          52
## 1997  87          1          0          A          59
## 1998  91          0          0          A          34
## 1999 121          1          0          A          40
## 2000 123          0          0          A          32
## 2001 103          0          0          B          12
## 2002 165          1          0          B          14
## 2003 115          1          0          B          20
## 2004 101          0          1          B          52
## 2005 104          0          0          B          41
## 2006 131          0          1          B          97
## 2007 104          0          0          B          61
## 2008 121          1          0          B          15
## 2009 131          0          0          B          79
## 2010  80          1          0          B          13
## 2011  82          1          0          B          36
## 2012  99          0          0          B          34
## 2013 105          0          1          B          33
## 2014  75          0          0          B          24
## 2015  97          0          0          B          77
## 2016 135          0          1          B         172
## 2017 122          1          0          B          10
## 2018 124          0          0          B          56
## 2019 105          1          0          B           5
## 2020  89          1          1          B          44
## 2021 126          1          0          B          23
## 2022 124          1          0          B          56
## 2023 101          0          0          B         105
## 2024 140          0          0          B          69
## 2025 159          1          0          B          27
## 2026 136          1          0          B         109
## 2027  84          0          0          B           3
## 2028  98          1          1          B          35
## 2029 146          0          0          B          47
## 2030 114          1          0          B          66
## 2031 120          0          0          B          15
## 2032 121          0          0          B          30
## 2033 108          0          1          B         173
## 2034 132          1          0          B          14
## 2035 105          1          0          B          54
## 2036 119          0          0          B          80
## 2037  84          1          0          B          29
## 2038 111          1          1          B          80
## 2039 119          1          0          B          23
## 2040 108          1          0          B          23
```

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## 2041 105        0        0        B         84
## 2042 114        0        0        B         54
## 2043 158        0        0        B         24
## 2044  99        1        0        B         52
## 2045  99        0        0        B         83
## 2046 165        0        0        B          7
## 2047 131        0        0        B         29
## 2048 129        0        1        B         35
## 2049  69        1        0        B         18
## 2050 119        1        0        B         13
## 2051  91        0        0        B         96
## 2052 130        1        0        B         37
## 2053 108        1        0        B         67
## 2054 107        1        0        B         16
## 2055 123        0        0        B         26
## 2056 132        1        0        B          7
## 2057  75        0        1        B         82
## 2058 118        1        0        B         34
## 2059 108        1        0        B         36
## 2060 126        1        0        B         30
## 2061 106        0        1        B        131
## 2062  84        1        0        B         22
## 2063 110        1        0        B        177
## 2064  94        1        0        B         40
## 2065 127        0        0        B         23
## 2066 102        1        0        B         42
## 2067 118        1        0        B         22
## 2068  93        0        0        B         60
## 2069 139        1        0        B         39
## 2070 108        0        0        B         31
## 2071  87        1        0        B         51
## 2072 127        1        0        B         14
## 2073 120        1        0        B         49
## 2074 136        0        0        B         49
## 2075  90        1        0        B         27
## 2076 114        0        0        B         55
## 2077 109        1        0        B         20
## 2078 120        1        0        B          9
## 2079  73        0        0        B          2
## 2080 131        0        0        B         68
## 2081 104        1        1        B         90
## 2082 132        1        0        B         41
## 2083  99        1        0        B         36
## 2084 114        0        0        B         29
## 2085 128        1        0        B         87
## 2086  95        1        0        B         29
## 2087  71        1        0        B         63
## 2088 120        1        0        B         13
## 2089  72        0        0        B         43
## 2090  86        0        0        B         63
## 2091 120        0        1        B        158
## 2092  89        1        0        B         29
## 2093 115        0        0        B         52
## 2094 104        0        0        B         24
```

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## 2095  82       0        0        B          40
## 2096  90       1        0        B         106
## 2097 116       0        0        B          20
## 2098 112       1        0        B          40
## 2099 154       1        0        B          46
## 2100 103       1        0        B          26
## 2101 120       1        0        B          32
## 2102 105       1        0        B          16
## 2103  88       0        0        B          75
## 2104 115       1        0        B          67
## 2105 100       1        0        B           9
## 2106 119       1        0        B          22
## 2107 107       1        1        B          51
## 2108 117       1        0        B          19
## 2109 123       0        0        B          35
## 2110 134       1        0        B          23
## 2111 108       0        0        B          76
## 2112  91       1        0        B          29
## 2113  91       1        0        B          32
## 2114  99       0        1        B         107
## 2115 136       0        0        B          60
## 2116 139       1        0        B         100
## 2117  91       0        0        B          43
## 2118 120       0        0        B          22
## 2119 116       1        1        B          73
## 2120 127       0        0        B          43
## 2121 107       1        0        B          72
## 2122 101       1        0        B          47
## 2123 129       1        0        B          27
## 2124 110       1        0        B          22
## 2125 110       1        0        B          29
## 2126  84       0        0        B          70
## 2127 106       0        0        B           8
## 2128  97       0        0        B          76
## 2129 115       1        0        B          14
## 2130  89       1        0        B          35
## 2131  83       1        0        B          17
## 2132 137       0        0        B          61
## 2133 130       1        0        B         125
## 2134  91       1        0        B          27
## 2135  81       0        0        B          18
## 2136  96       1        0        B          50
## 2137 110       1        0        B          37
## 2138 109       0        0        B          34
## 2139 110       1        0        B          14
## 2140 138       0        0        B          42
## 2141 124       0        0        B           6
## 2142 116       1        0        B          21
## 2143 130       0        0        B          49
## 2144 111       0        0        B          61
## 2145 107       0        0        B          20
## 2146  89       0        0        B          59
## 2147  82       1        0        B          62
## 2148 122       0        0        B          54
```

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## 2149  90       1        0       B           20
## 2150  96       1        0       B           46
## 2151 105       1        0       B           33
## 2152 112       1        0       B           14
## 2153 154       0        1       B           66
## 2154  97       0        0       B           54
## 2155 122       1        0       B           39
## 2156 127       0        1       B           23
## 2157 112       1        0       B           31
## 2158  88       1        0       B           17
## 2159 107       1        0       B           30
## 2160 126       1        0       B           24
## 2161 121       1        0       B           53
## 2162  99       1        0       B           61
## 2163  87       0        0       B            9
## 2164 102       0        1       B           89
## 2165 152       1        0       B           33
## 2166 101       1        0       B           57
## 2167 116       1        0       B           13
## 2168 132       0        0       B           30
## 2169  96       0        0       B           57
## 2170 103       1        0       B           23
## 2171  90       1        0       B           20
## 2172 125       0        0       B           43
## 2173 151       0        0       B           90
## 2174 141       1        0       B           27
## 2175 136       0        0       B            8
## 2176 137       1        0       B           10
## 2177 114       1        0       B           28
## 2178 119       1        0       B           11
## 2179 111       0        1       B           47
## 2180 119       0        0       B           62
## 2181  99       0        0       B           52
## 2182  95       0        0       B           55
## 2183  97       1        0       B           55
## 2184 151       0        0       B           34
## 2185 116       1        0       B           12
## 2186  74       1        0       B           22
## 2187  85       0        0       B           63
## 2188 122       1        0       B           17
## 2189  86       1        0       B           54
## 2190  82       1        0       B           16
## 2191 126       0        0       B           47
## 2192  93       1        0       B           11
## 2193  79       1        0       B          197
## 2194  81       1        0       B           18
## 2195 111       0        0       B           17
## 2196  98       1        0       B           52
## 2197 121       0        0       B           97
## 2198  95       1        0       B           24
## 2199 132       1        0       B           27
## 2200 142       0        0       B           27
## 2201 120       1        0       B           36
## 2202  96       1        1       B           39
```

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## 2203 112         1          0          B            49
## 2204 104         0          0          B            44
## 2205  65         1          0          B            47
## 2206 106         1          0          B            30
## 2207  95         0          0          B            33
## 2208 118         1          0          B             2
## 2209 112         1          0          B            50
## 2210 110         1          0          B            41
## 2211  93         0          0          B           110
## 2212 105         0          0          B            33
## 2213 102         1          0          B            42
## 2214 103         1          0          B            18
## 2215 126         0          0          B            63
## 2216 162         1          0          B             4
## 2217  83         0          0          B            23
## 2218 115         1          0          B            78
## 2219 115         0          0          B             8
## 2220 124         0          1          B            36
## 2221  81         0          0          B            80
## 2222 107         0          0          B            13
## 2223  73         1          0          B            54
## 2224 127         0          0          B            22
## 2225 152         0          0          B            41
## 2226 134         1          0          B            54
## 2227 126         1          0          B            21
## 2228 128         1          0          B            19
## 2229  86         0          1          B            66
## 2230 129         0          1          B           152
## 2231 117         1          1          B            68
## 2232 106         1          1          B            79
## 2233 130         1          0          B            48
## 2234 123         1          0          B            97
## 2235 103         1          1          B            22
## 2236 142         0          0          B            83
## 2237 115         1          0          B            48
## 2238 125         1          0          B            76
## 2239 108         0          0          B            51
## 2240  98         1          0          B            12
## 2241  89         1          0          B            37
## 2242 108         1          0          B            82
## 2243 118         0          0          B            31
## 2244 103         0          0          B            27
## 2245 107         0          0          B            22
## 2246  88         1          0          B            42
## 2247  95         0          1          B            14
## 2248 116         1          0          B            30
## 2249 142         1          0          B            38
## 2250 115         0          1          B            63
## 2251  77         0          0          B            40
## 2252  80         1          0          B            11
## 2253 122         0          0          B            94
## 2254  99         0          0          B            22
## 2255 106         1          0          B            21
## 2256  79         0          0          B           142
```

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## 2257 115      1        0      B          28
## 2258  87      0        0      B          30
## 2259 104      0        0      B           9
## 2260 113      1        0      B          14
## 2261 125      1        0      B          27
## 2262 131      1        0      B          15
## 2263  68      0        0      B           7
## 2264  98      1        0      B          45
## 2265  92      1        0      B           9
## 2266 125      0        0      B          35
## 2267 101      1        1      B          72
## 2268 123      1        1      B           9
## 2269  80      1        0      B           4
## 2270  92      1        0      B          44
## 2271  60      1        1      B          46
## 2272  72      0        1      B          62
## 2273  97      0        0      B          22
## 2274  88      1        0      B          41
## 2275 126      0        0      B          74
## 2276 101      0        1      B          84
## 2277  98      1        0      B          73
## 2278 127      0        0      B         148
## 2279 160      0        0      B           6
## 2280 101      1        0      B          21
## 2281  91      1        0      B          59
## 2282 131      1        0      B          70
## 2283 135      0        0      B          26
## 2284 132      0        0      B          18
## 2285 112      0        1      B          50
## 2286  92      1        0      B          66
## 2287 114      0        0      B          67
## 2288 103      0        0      B          77
## 2289 119      0        0      B          59
## 2290  97      1        0      B           7
## 2291 116      0        0      B          66
## 2292  98      1        0      B          26
## 2293 118      0        0      B          37
## 2294  96      1        0      B          30
## 2295 157      0        1      B          22
## 2296 104      0        0      B          16
## 2297  95      0        0      B          57
## 2298 128      1        1      B          93
## 2299  93      0        0      B         106
## 2300 113      1        0      B          37
## 2301 122      0        0      B         103
## 2302 103      1        1      B          24
## 2303  87      0        0      B          80
## 2304 145      1        0      B          27
## 2305 105      1        1      B          41
## 2306 140      0        0      B          25
## 2307 104      1        1      B         119
## 2308  58      1        0      B          23
## 2309  82      1        0      B          23
## 2310 115      1        1      B          89
```

```
## 2311 119        1        0        B         22
## 2312 121        1        1        B         24
## 2313  98        1        0        B        203
## 2314 134        1        0        B          5
## 2315 108        1        0        B         13
## 2316 131        0        0        B         34
## 2317 126        1        0        B         48
## 2318 116        0        0        B         23
## 2319  78        0        0        B        228
## 2320 130        0        0        B         62
## 2321 128        1        0        B         61
## 2322 116        0        0        B         36
## 2323  87        0        0        B         15
## 2324  98        1        0        B         85
## 2325 144        1        0        B         20
## 2326  90        0        0        B         64
## 2327  96        1        0        B         14
## 2328 127        1        0        B         40
## 2329 120        1        0        B         53
## 2330 113        0        0        B         87
## 2331 127        1        0        B         21
## 2332 102        1        1        B         12
## 2333 149        0        0        B         38
## 2334 118        1        0        B         21
## 2335 114        1        0        B         25
## 2336 106        0        0        B         49
## 2337  81        1        0        B         20
## 2338 138        1        0        B         21
## 2339  90        0        0        B         28
## 2340 149        0        0        B         45
## 2341  91        0        0        B         14
## 2342  82        1        0        B         17
## 2343  75        1        0        B         14
## 2344 122        1        0        B         52
## 2345  70        1        0        B         36
## 2346  95        0        0        B        118
## 2347  80        1        1        B         26
## 2348 139        1        0        B         23
## 2349  87        1        1        B         11
## 2350 102        1        0        B         90
## 2351 103        1        0        B          7
## 2352 100        1        0        B         10
## 2353 110        0        0        B          6
## 2354 126        1        0        B         52
## 2355  99        1        1        B         52
## 2356 105        1        0        B         24
## 2357 104        0        1        B         57
## 2358 121        0        0        B         71
## 2359  95        1        0        B         13
## 2360 120        1        1        B         96
## 2361 120        0        0        B         52
## 2362 113        1        0        B         19
## 2363 105        0        0        B        222
## 2364 103        0        0        B         34
```

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## 2365 136     0        0        B          46
## 2366  85     0        0        B          63
## 2367 117     1        0        B          32
## 2368  94     0        0        B         100
## 2369 108     1        0        B          17
## 2370  94     1        0        B          32
## 2371 102     1        1        B          89
## 2372 104     0        0        B          18
## 2373 115     1        0        B          39
## 2374 112     1        1        B          22
## 2375 132     1        0        B          28
## 2376  65     0        0        B         105
## 2377  99     1        0        B          31
## 2378 110     0        0        B          59
## 2379 117     1        0        B          27
## 2380  76     1        0        B          47
## 2381 137     0        0        B          34
## 2382  98     1        0        B          30
## 2383 111     1        0        B          63
## 2384 127     1        0        B          47
## 2385 117     1        0        B          89
## 2386 116     0        0        B           4
## 2387 104     1        0        B          13
## 2388  98     1        0        B          68
## 2389 132     1        0        B          24
## 2390 105     0        0        B          16
## 2391 134     1        0        B          19
## 2392 104     1        0        B           4
## 2393  89     1        0        B           4
## 2394 134     1        0        B          68
## 2395 116     1        0        B          38
## 2396 119     1        0        B          34
## 2397 126     0        0        B          84
## 2398 114     0        0        B          45
## 2399  83     0        0        B          40
## 2400 104     1        0        B          75
## 2401 119     0        0        B          64
## 2402  73     0        1        B          92
## 2403 129     1        0        B          56
## 2404 105     1        1        B         137
## 2405 109     0        0        B          21
## 2406 108     0        0        B          14
## 2407 121     0        0        B         116
## 2408 100     0        0        B          20
## 2409  93     1        0        B          69
## 2410 110     0        1        B          46
## 2411 141     0        0        B          52
## 2412 105     0        0        B          25
## 2413 102     0        0        B          52
## 2414 123     0        0        B          48
## 2415 107     1        1        B          44
## 2416 120     1        0        B          30
## 2417 144     1        0        B          31
## 2418 107     1        0        B          12
```

```
## 2419 104      1        0        B         20
## 2420 129      0        0        B         19
## 2421 140      0        0        B         73
## 2422 119      1        0        B          9
## 2423 115      0        0        B         63
## 2424 147      0        0        B         15
## 2425  92      1        0        B         53
## 2426  88      1        0        B         24
## 2427 109      1        0        B         44
## 2428 129      1        0        B        151
## 2429 127      0        0        B         77
## 2430 108      0        0        B         18
## 2431  83      0        0        B         95
## 2432 135      1        1        B         33
## 2433 110      1        0        B         78
## 2434  90      0        1        B         74
## 2435 128      0        0        B         37
## 2436 146      0        0        B         30
## 2437  77      1        1        B        296
## 2438 132      1        0        B         71
## 2439  84      0        0        B         65
## 2440 103      1        0        B         27
## 2441 135      0        1        B         30
## 2442 106      1        0        B         85
## 2443 125      1        0        B         19
## 2444 141      0        1        B        330
## 2445 141      0        0        B         69
## 2446 118      1        0        B         49
## 2447 113      1        0        B         54
## 2448  70      1        0        B         32
## 2449 136      1        0        B         27
## 2450 115      0        0        B         20
## 2451 133      1        0        B          4
## 2452  78      1        0        B         71
## 2453 101      1        0        B         57
## 2454 106      1        0        B         71
## 2455 144      1        0        B         18
## 2456  68      1        0        B         43
## 2457 156      0        0        B          3
## 2458 128      1        1        B         35
## 2459 128      1        0        B         45
## 2460  97      1        0        B         33
## 2461  74      1        0        B         29
## 2462 117      1        0        B         21
## 2463 107      1        0        B         34
## 2464 109      0        0        B         78
## 2465 144      0        0        B         68
## 2466 130      0        0        B         63
## 2467 110      0        0        B         90
## 2468 147      0        0        B         49
## 2469 125      0        0        B         69
## 2470  90      0        0        B         43
## 2471 109      1        0        B         34
## 2472  89      0        0        B         47
```

```
## 2473  79      0      1      B        19
## 2474 145      0      0      B        47
## 2475 128      0      0      B        88
## 2476 113      0      0      B        42
## 2477 140      1      0      B        26
## 2478 112      0      0      B        51
## 2479  80      1      0      B       140
## 2480 133      1      1      B        55
## 2481  77      1      0      B        45
## 2482 106      1      0      B        23
## 2483  85      1      0      B        22
## 2484  97      1      0      B        26
## 2485 111      0      0      B        55
## 2486 140      0      0      B        29
## 2487 131      1      0      B        15
## 2488  95      1      0      B        41
## 2489 122      0      0      B        16
## 2490 101      1      0      B        44
## 2491  88      1      0      B        77
## 2492 118      1      0      B        20
## 2493  90      1      0      B        48
## 2494 122      1      0      B        31
## 2495 106      0      0      B        32
## 2496 117      1      0      B        26
## 2497 120      1      0      B        41
## 2498 117      0      1      B       113
## 2499 115      1      0      B        36
## 2500  77      1      0      B        27
## 2501 112      0      0      B        52
## 2502 131      1      0      B        71
## 2503 116      1      0      B        24
## 2504 119      1      0      B        37
## 2505  96      1      0      B        75
## 2506 150      0      0      B        58
## 2507 126      0      0      B        31
## 2508 113      0      0      B        33
## 2509 134      1      0      B        27
## 2510 114      1      0      B        20
## 2511 120      1      1      B        72
## 2512 106      0      1      B       161
## 2513  73      1      0      B        38
## 2514 114      1      1      B        37
## 2515  94      0      0      B        60
## 2516 133      0      0      B        86
## 2517 131      1      0      B        34
## 2518  91      0      0      B        12
## 2519 109      1      0      B        47
## 2520 100      0      1      B        35
## 2521 128      0      0      B        61
## 2522  99      1      0      B        12
## 2523 112      0      1      B        27
## 2524 121      1      0      B        36
## 2525  79      1      0      B        14
## 2526 100      1      0      B        32
```

```
## 2527 139         1         0         B         26
## 2528 104         0         0         B         22
## 2529  95         1         0         B         27
## 2530 108         1         0         B         22
## 2531 132         1         0         B         17
## 2532 113         0         0         B         18
## 2533  70         1         0         B         60
## 2534  91         1         0         B         17
## 2535 117         1         0         B         30
## 2536 136         1         0         B         32
## 2537  75         1         1         B         26
## 2538  97         1         0         B         40
## 2539 152         0         0         B         44
## 2540 108         1         0         B         66
## 2541  85         0         0         B         10
## 2542  91         0         1         B         55
## 2543 144         0         0         B         27
## 2544 125         1         0         B         14
## 2545  62         1         0         B         43
## 2546  97         1         1         B         49
## 2547 125         1         0         B         35
## 2548  77         0         0         B         62
## 2549  91         1         0         B         45
## 2550  96         1         0         B         28
## 2551 124         0         0         B         31
## 2552  97         0         1         B         16
## 2553 103         1         0         B         26
## 2554  56         1         0         B         71
## 2555 107         1         0         B         19
## 2556 125         1         0         B         60
## 2557 120         0         0         B         23
## 2558 107         0         0         B        103
## 2559 143         1         0         B        365
## 2560 149         0         0         B         47
## 2561  96         1         0         B         29
## 2562 117         1         0         B         76
## 2563  96         1         1         B         50
## 2564 105         1         0         B         60
## 2565  89         1         0         B         15
## 2566  94         1         0         B         62
## 2567  87         0         0         B         92
## 2568 145         0         0         B         34
## 2569  91         1         0         B         39
## 2570 102         1         0         B         10
## 2571  83         1         0         B         29
## 2572 138         0         0         B         27
## 2573 121         1         0         B         24
## 2574 134         1         0         B         27
## 2575 105         0         0         B         33
## 2576 145         0         0         B         63
## 2577 109         0         0         B         66
## 2578 118         1         0         B         13
## 2579 114         1         0         B         97
## 2580 104         0         0         B         12
```

```
## 2581  95      1        0        B         39
## 2582 121      1        0        B         83
## 2583 135      1        0        B         54
## 2584 143      0        0        B         64
## 2585 115      1        0        B         31
## 2586 110      0        1        B         64
## 2587 122      1        0        B         56
## 2588  89      0        0        B         48
## 2589 135      1        0        B         25
## 2590 114      1        0        B         23
## 2591 105      1        0        B         12
## 2592 153      1        1        B         30
## 2593 136      1        0        B         33
## 2594 110      1        0        B         50
## 2595  79      1        1        B         29
## 2596 127      1        0        B         88
## 2597 135      0        0        B         41
## 2598 108      1        0        B         68
## 2599 117      0        0        B         39
## 2600 126      0        0        B         51
## 2601 113      1        0        B         22
## 2602 113      1        0        B         30
## 2603  98      1        0        B         33
## 2604  95      1        0        B         11
## 2605 140      1        0        B         29
## 2606 102      1        0        B         46
## 2607  90      1        0        B         43
## 2608 114      0        0        B         70
## 2609 119      0        0        B         23
## 2610 123      1        0        B         10
## 2611  96      0        0        B         57
## 2612  97      1        0        B         49
## 2613 107      1        0        B         11
## 2614  84      0        0        B        194
## 2615 124      0        0        B         25
## 2616  53      0        0        B         56
## 2617 116      0        0        B         42
## 2618  91      0        0        B         44
## 2619 113      0        0        B         20
## 2620 113      1        0        B        152
## 2621  94      0        0        B         39
## 2622 101      0        0        B         20
## 2623 129      0        0        B         53
## 2624 104      0        0        B         93
## 2625 129      1        0        B         62
## 2626 132      1        0        B         22
## 2627 105      0        0        B         40
## 2628 100      0        0        B         39
## 2629  89      1        0        B          9
## 2630 127      1        0        B         22
## 2631 112      1        1        B         49
## 2632 159      0        0        B         30
## 2633  91      0        0        B         21
## 2634 124      1        1        B         62
```

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## 2635  95      1       0       B         12
## 2636 129      1       0       B         36
## 2637 100      0       0       B         63
## 2638  96      0       0       B         55
## 2639 106      1       0       B         20
## 2640  99      1       0       B         17
## 2641 102      1       0       B         90
## 2642  93      0       0       B         47
## 2643 128      0       0       B        102
## 2644 148      0       0       B         32
## 2645 125      1       0       B         46
## 2646  90      0       1       B          5
## 2647 145      1       0       B         70
## 2648 125      1       0       B         28
## 2649  95      0       0       B         58
## 2650 114      1       0       B         27
## 2651 102      0       0       B         39
## 2652 107      0       0       B         17
## 2653 113      1       1       B         84
## 2654  87      0       0       B         50
## 2655 115      1       0       B         61
## 2656 119      1       0       B         20
## 2657 133      1       0       B         25
## 2658 101      1       0       B         27
## 2659 156      0       0       B         56
## 2660 118      1       0       B         17
## 2661 101      0       0       B         59
## 2662 101      0       0       B         57
## 2663 100      0       0       B         28
## 2664  91      0       0       B         43
## 2665 141      1       0       B         34
## 2666 128      1       0       B         33
## 2667 118      1       0       B         44
## 2668 121      1       0       B         15
## 2669  95      1       0       B         38
## 2670  86      1       1       B         41
## 2671 108      1       0       B         44
## 2672 122      1       0       B         39
## 2673 148      1       0       B         29
## 2674 126      1       0       B         25
## 2675 123      0       0       B         54
## 2676 123      1       0       B         26
## 2677  94      1       0       B         51
## 2678 119      1       0       B         42
## 2679 102      1       0       B         26
## 2680 112      0       0       B         72
## 2681 101      1       0       B         55
## 2682  65      0       0       B         20
## 2683 118      1       0       B        116
## 2684 124      0       0       B         59
## 2685  99      0       0       B         63
## 2686 124      1       0       B         58
## 2687 122      0       0       B         75
## 2688 113      1       0       B         13
```

```
## 2689 112        1        0        B             43
## 2690  88        0        0        B             11
## 2691  72        1        0        B             35
## 2692  95        1        0        B             33
## 2693 117        1        0        B            117
## 2694 147        0        0        B             60
## 2695 114        0        0        B             49
## 2696 106        1        0        B              5
## 2697 123        1        0        B             20
## 2698 137        1        0        B             28
## 2699  99        1        0        B             21
## 2700  90        1        0        B             29
## 2701  89        1        0        B             62
## 2702 100        0        0        B             44
## 2703  98        0        0        B             53
## 2704 150        0        0        B             30
## 2705 130        0        0        B             18
## 2706 133        0        0        B             82
## 2707  84        1        0        B             58
## 2708 116        0        0        B             65
## 2709 149        1        0        B             34
## 2710 122        1        0        B             80
## 2711 111        0        0        B             63
## 2712 109        1        1        B             57
## 2713 114        1        0        B             49
## 2714 135        0        0        B             16
## 2715 116        1        0        B             70
## 2716  82        0        0        B             88
## 2717 124        1        1        B             27
## 2718 118        1        0        B             10
## 2719  90        0        0        B             26
## 2720  95        1        0        B             21
## 2721 112        0        0        B            134
## 2722 135        1        0        B             33
## 2723 112        0        0        B             28
## 2724 102        1        0        B             45
## 2725 108        1        1        B             28
## 2726 141        1        0        B             16
## 2727 124        0        0        B             23
## 2728 127        0        0        B             69
## 2729 140        1        0        B             54
## 2730 130        0        1        B             32
## 2731 107        0        0        B             65
## 2732  95        1        0        B             26
## 2733 149        0        0        B             10
## 2734 111        1        0        B             76
## 2735 118        1        0        B             52
## 2736 121        1        0        B             42
## 2737 139        1        0        B             45
## 2738 104        1        0        B             23
## 2739 110        1        0        B             35
## 2740 137        1        0        B             50
## 2741  96        1        0        B             52
## 2742 129        0        1        B             33
```

```
## 2743 156        1        0        B          26
## 2744 103        1        0        B          13
## 2745 116        0        0        B          47
## 2746 106        1        0        B          30
## 2747 100        0        0        B          20
## 2748  86        1        0        B          33
## 2749 120        0        0        B          37
## 2750 103        1        0        B          35
## 2751 113        1        0        B          28
## 2752 110        1        0        B          38
## 2753 108        1        0        B          26
## 2754 108        0        0        B          25
## 2755 138        0        0        B          56
## 2756 117        1        0        B          15
## 2757  76        0        0        B          44
## 2758  90        1        0        B         176
## 2759 115        0        0        B          81
## 2760  95        0        0        B          22
## 2761 126        1        0        B          38
## 2762 123        1        0        B          37
## 2763  72        1        0        B          40
## 2764 114        1        0        B          50
## 2765 125        0        0        B          62
## 2766  98        1        0        B          85
## 2767 135        1        0        B          49
## 2768 112        1        0        B          50
## 2769 108        1        0        B         118
## 2770 118        0        0        B          30
## 2771  85        1        1        B          13
## 2772 105        1        0        B          15
## 2773  83        1        0        B          17
## 2774 132        1        0        B          13
## 2775 111        1        0        B          65
## 2776  98        1        1        B          35
## 2777  82        1        0        B          34
## 2778 115        1        0        B          25
## 2779  65        0        0        B          14
## 2780  95        1        0        B          95
## 2781 140        0        0        B          32
## 2782 123        1        0        B          38
## 2783 146        1        0        B          40
## 2784 130        1        0        B          48
## 2785 128        1        0        B           8
## 2786 128        1        0        B          71
## 2787 108        1        0        B          14
## 2788 138        1        0        B          40
## 2789 110        1        0        B          23
## 2790  83        0        0        B          33
## 2791  94        1        1        B          11
## 2792 131        1        0        B          11
## 2793  97        1        0        B          44
## 2794 109        0        0        B          82
## 2795 127        1        0        B          26
## 2796  89        1        0        B          62
```

```
## 2797 120          1          0          B               17
## 2798  91          1          0          B               34
## 2799 101          1          0          B               43
## 2800 116          1          1          B               20
## 2801 128          1          0          B               23
## 2802 100          1          0          B               90
## 2803 121          1          0          B               48
## 2804 147          1          0          B               37
## 2805 133          0          0          B               34
## 2806  71          0          0          B               96
## 2807  96          1          0          B               61
## 2808  89          1          0          B               47
## 2809 125          0          0          B               11
## 2810 139          1          1          B               32
## 2811 122          1          0          B               60
## 2812 124          1          0          B               33
## 2813  95          1          0          B               31
## 2814  87          1          1          B               63
## 2815  95          1          1          B               37
## 2816 128          0          0          B               17
## 2817 129          0          0          B              365
## 2818  90          0          0          B               62
## 2819  87          0          1          B               22
## 2820 100          0          0          B               82
## 2821 151          1          0          B               21
## 2822 138          1          0          B                9
## 2823 103          1          0          B               19
## 2824  77          0          0          B               25
## 2825 110          0          0          B               86
## 2826 113          0          0          B               88
## 2827  89          1          0          B               19
## 2828 105          0          1          B               40
## 2829 118          1          0          B               15
## 2830 118          0          0          B                9
## 2831  93          1          0          B                8
## 2832 113          0          0          B               43
## 2833  98          1          0          B               28
## 2834 108          0          0          B               57
## 2835 104          1          0          B               37
## 2836 133          0          0          B               23
## 2837  95          0          0          B               82
## 2838 127          1          0          B               72
## 2839 139          0          0          B               97
## 2840 131          1          0          B               26
## 2841 130          0          0          B               57
## 2842  93          0          0          B               37
## 2843 112          1          0          B               54
## 2844  99          0          0          B               19
## 2845 123          0          0          B               21
## 2846 117          1          0          B               38
## 2847 113          0          0          B               24
## 2848  70          0          0          B               55
## 2849  83          1          0          B               17
## 2850  82          1          0          B               47
```

```
## 2851  94    1    0    B     79
## 2852  96    0    0    B     17
## 2853  96    1    0    B     57
## 2854 110    1    0    B      7
## 2855 119    1    0    B     35
## 2856 100    0    0    B    138
## 2857  95    0    0    B     53
## 2858 110    0    0    B     74
## 2859 100    0    0    B     17
## 2860 114    1    1    B     33
## 2861 110    0    0    B     82
## 2862  94    1    0    B     44
## 2863 140    1    1    B     31
## 2864 154    0    0    B     47
## 2865  91    0    1    B     76
## 2866 116    1    0    B     28
## 2867 109    0    0    B     18
## 2868 104    1    0    B     18
## 2869 132    1    0    B     92
## 2870 111    1    0    B     20
## 2871 118    0    0    B     16
## 2872 114    0    0    B     29
## 2873  80    1    1    B     76
## 2874  95    1    0    B     19
## 2875 116    1    0    B     36
## 2876  78    0    0    B     11
## 2877 116    0    0    B     37
## 2878 111    1    0    B     56
## 2879  78    1    1    B     51
## 2880 125    1    0    B     52
## 2881  98    1    0    B     34
## 2882 103    0    0    B     74
## 2883 109    0    0    B     19
## 2884 112    1    0    B     40
## 2885 124    0    0    B     21
## 2886 127    1    0    B     73
## 2887 140    1    0    B     51
## 2888  92    0    0    B     30
## 2889 101    0    0    B     74
## 2890  96    1    0    B     50
## 2891 102    1    0    B     37
## 2892 116    1    0    B     63
## 2893  91    0    0    B     18
## 2894 109    1    0    B     43
## 2895 143    1    0    B     36
## 2896 125    1    0    B     29
## 2897 108    0    0    B     20
## 2898 111    1    0    B      4
## 2899 121    1    0    B     19
## 2900 111    0    1    B     17
## 2901 145    1    0    B     14
## 2902 144    0    0    B     48
## 2903  96    1    0    B     84
## 2904 103    0    1    B     32
```

```
## 2905 143        1           0           B              14
## 2906  88        0           0           B              54
## 2907 136        1           0           B              28
## 2908 139        1           0           B               4
## 2909 107        0           0           B              40
## 2910 107        1           0           B              16
## 2911 108        1           0           B              88
## 2912 109        1           0           B              66
## 2913 127        0           0           B              33
## 2914 131        1           0           B               5
## 2915 114        0           1           B             133
## 2916 101        0           0           B              16
## 2917  82        0           0           B              38
## 2918  71        1           0           B              22
## 2919 111        0           0           B              15
## 2920  65        1           0           B              47
## 2921 107        1           0           B              36
## 2922 146        0           0           B              77
## 2923  71        1           0           B              31
## 2924 113        1           0           B              52
## 2925 106        0           0           B              61
## 2926  95        1           0           B              50
## 2927 106        1           0           B              52
## 2928  93        0           0           B              51
## 2929  85        1           0           B              29
## 2930 105        0           1           B              92
## 2931 129        0           0           B              20
## 2932 152        0           1           B             160
## 2933  97        1           0           B              62
## 2934 139        1           0           B              15
## 2935 138        0           0           B              15
## 2936 138        0           0           B              41
## 2937  97        1           0           B              47
## 2938 121        0           0           B              19
## 2939 109        1           0           B               8
## 2940 169        1           0           B              79
## 2941 116        0           0           B              85
## 2942 145        0           0           B              37
## 2943 118        1           0           B              34
## 2944 160        0           0           B              36
## 2945  92        1           0           B              11
## 2946 100        0           0           B              97
## 2947  96        0           0           B              23
## 2948  99        1           0           B              57
## 2949  81        0           0           B              60
## 2950 142        1           0           B              27
## 2951 121        0           0           B              35
## 2952  87        1           0           B              40
## 2953 111        1           0           B             110
## 2954 105        1           0           B              31
## 2955 109        1           0           B              23
## 2956 123        0           0           B              97
## 2957 118        1           0           B              24
## 2958  91        1           0           B              20
```

```
## 2959  80    0    0    B    126
## 2960 145    1    0    B     46
## 2961  97    1    0    B     18
## 2962  98    0    0    B     11
## 2963 109    0    0    B     25
## 2964 133    1    0    B     37
## 2965 124    1    0    B     28
## 2966 139    0    0    B    120
## 2967 113    1    0    B    101
## 2968 102    1    0    B     51
## 2969 118    1    0    B     31
## 2970 104    0    0    B     23
## 2971  97    1    0    B     23
## 2972 114    1    0    B     48
## 2973  74    0    0    B     74
## 2974  76    1    0    B     30
## 2975 112    0    0    B     31
## 2976  88    1    1    B     17
## 2977  92    0    0    B     80
## 2978 124    1    0    B     10
## 2979 105    0    0    B     29
## 2980 132    0    0    B     19
## 2981  82    0    0    B    101
## 2982 128    0    0    B    232
## 2983  96    0    0    B     38
## 2984 123    0    0    B     37
## 2985 138    0    0    B     20
## 2986 131    1    0    B     36
## 2987 119    1    0    B     16
## 2988  94    0    0    B     25
## 2989 108    1    0    B     14
## 2990 104    0    0    B     80
## 2991  99    1    0    B     40
## 2992  97    0    0    B     98
## 2993  79    0    0    B     33
## 2994  98    1    0    B     47
## 2995 134    1    0    B     35
## 2996 101    1    0    B     16
## 2997 106    0    0    B     32
## 2998  98    0    0    B     93
## 2999 120    1    0    B     26
## 3000 102    1    0    B     15
## 3001 116    1    0    B     39
## 3002 105    0    0    B     44
## 3003 115    0    0    B     66
## 3004  84    1    0    B     26
## 3005 110    0    0    B     38
## 3006  90    1    1    B     57
## 3007 105    1    0    B     72
## 3008 150    0    0    B    101
## 3009 118    0    0    B    112
## 3010 122    0    0    B     70
## 3011 113    1    0    B     78
## 3012  89    1    0    B     27
```

```
## 3013  78       1       0       B         75
## 3014  93       0       0       B         66
## 3015 101       0       0       B         12
## 3016 134       0       0       B         33
## 3017  96       1       1       B         11
## 3018  79       1       1       B         37
## 3019  98       1       0       B         98
## 3020 106       1       0       B         10
## 3021 117       0       0       B        108
## 3022  86       1       0       B         46
## 3023 119       0       0       B         41
## 3024 113       1       0       B         18
## 3025  91       1       0       B         48
## 3026 121       1       0       B         30
## 3027 109       1       0       B         32
## 3028 138       1       0       B         83
## 3029 104       0       0       B         31
## 3030 112       0       0       B         14
## 3031 102       0       0       B         49
## 3032 114       1       0       B         25
## 3033 101       1       0       B         29
## 3034 115       1       0       B         49
## 3035 112       1       1       B         29
## 3036 127       1       0       B         57
## 3037 126       1       0       B         92
## 3038 106       1       0       B         12
## 3039 112       0       0       B         15
## 3040 113       1       0       B         34
## 3041  86       0       0       B         21
## 3042  97       0       0       B         48
## 3043 137       1       1       B         30
## 3044 110       1       0       B         63
## 3045  95       1       0       B         13
## 3046  78       1       1       B         93
## 3047 130       1       0       B         31
## 3048 130       1       0       B         15
## 3049 137       0       0       B         29
## 3050 124       1       0       B          8
## 3051 115       0       0       B         45
## 3052 124       1       0       B         22
## 3053 138       1       1       B         63
## 3054 118       1       1       B        128
## 3055 123       1       0       B         54
## 3056 110       1       0       B         53
## 3057  98       0       0       B         40
## 3058  82       0       0       B         34
## 3059 122       1       0       B         20
## 3060 113       1       0       B         37
## 3061 101       1       0       B         52
## 3062  96       1       0       B         55
## 3063  92       1       0       B         42
## 3064 126       1       0       B         85
## 3065  96       1       0       B        131
## 3066 107       1       0       B         29
```

```
## 3067 128        0        0        B         47
## 3068  61        0        0        B         81
## 3069  87        1        0        B         34
## 3070 107        0        0        B         76
## 3071 124        0        0        B         33
## 3072 123        1        0        B         14
## 3073 149        0        0        B         64
## 3074  94        0        1        B         58
## 3075 104        1        0        B         41
## 3076  94        1        0        B         44
## 3077 116        1        0        B         47
## 3078  98        1        0        B         23
## 3079 145        0        0        B          9
## 3080 100        1        0        B         44
## 3081  95        0        0        B         90
## 3082 134        0        0        B         55
## 3083 126        0        0        B         32
## 3084  93        1        1        B         60
## 3085 116        0        0        B         25
## 3086 134        0        1        B        174
## 3087  84        0        0        B         58
## 3088 138        1        0        B         23
## 3089 102        1        1        B         57
## 3090  90        0        1        B         66
## 3091 110        1        0        B         41
## 3092 129        0        0        B         40
## 3093  95        1        1        B         85
## 3094 116        0        0        B         41
## 3095 105        1        0        B         68
## 3096 137        0        0        B         12
## 3097 107        0        0        B        120
## 3098  77        0        0        B         50
## 3099 113        1        0        B         80
## 3100 121        0        0        B         51
## 3101 142        0        0        B         49
## 3102 107        1        0        B         16
## 3103  82        0        0        B         52
## 3104 116        1        0        B         27
## 3105 110        1        0        B         39
## 3106 125        1        0        B         47
## 3107 122        1        0        B         72
## 3108 110        0        0        B        159
## 3109  82        0        0        B         14
## 3110  82        1        0        B         30
## 3111  83        1        0        B         40
## 3112 115        0        0        B         19
## 3113  79        1        0        B         17
## 3114 109        0        0        B         38
## 3115  83        0        0        B          9
## 3116 104        0        0        B         32
## 3117 127        0        0        B          7
## 3118  99        1        0        B         51
## 3119  92        0        0        B         42
## 3120 103        1        0        B         46
```

```
## 3121 143      1        1        B        67
## 3122 115      1        0        B        29
## 3123 135      0        0        B        75
## 3124  99      0        1        B        68
## 3125 103      0        0        B        32
## 3126 124      1        0        B        15
## 3127 114      1        0        B         9
## 3128 142      0        1        B        50
## 3129  84      1        0        B        11
## 3130  89      1        1        B        40
## 3131 103      1        0        B         9
## 3132 120      0        0        B        41
## 3133 119      0        0        B       276
## 3134 111      0        0        B       116
## 3135 136      0        0        B        74
## 3136 106      0        0        B        32
## 3137 114      0        0        B        34
## 3138 107      1        0        B         3
## 3139  78      1        0        B        40
## 3140  93      1        0        B         8
## 3141  99      0        0        B       224
## 3142 128      0        0        B        16
## 3143 121      1        0        B        35
## 3144 104      0        1        B        33
## 3145 102      1        0        B        30
## 3146 117      1        0        B        31
## 3147 110      0        0        B        10
## 3148 104      1        0        B        10
## 3149 109      1        0        B         9
## 3150  59      1        0        B        31
## 3151 111      1        0        B        51
## 3152 108      1        0        B        72
## 3153 123      0        0        B        39
## 3154 100      0        0        B        20
## 3155 114      0        1        B        23
## 3156  95      0        0        B        75
## 3157 111      1        0        B        21
## 3158 113      0        0        B        60
## 3159 130      1        0        B        37
## 3160 119      1        1        B         8
## 3161 108      1        0        B       142
## 3162 117      1        0        B        91
## 3163 135      0        0        B        46
## 3164 127      1        0        B        49
## 3165 130      1        0        B        15
## 3166 116      1        0        B        27
## 3167  88      0        0        B        58
## 3168 138      0        0        B        50
## 3169  84      0        0        B        69
## 3170 138      1        0        B        25
## 3171  70      1        0        B        60
## 3172 129      1        0        B        24
## 3173 117      1        0        B        42
## 3174 113      1        0        B        34
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## 3175  92      0      0      B       59
## 3176 131      1      0      B       51
## 3177 111      1      0      B       16
## 3178 113      1      0      B       59
## 3179 103      0      0      B       31
## 3180  73      1      0      B        8
## 3181 106      0      0      B       43
## 3182  68      1      0      B        3
## 3183 122      1      0      B       44
## 3184 136      1      0      B       47
## 3185 123      1      0      B        4
## 3186 103      0      0      B       54
## 3187 129      0      0      B       31
## 3188 109      0      0      B       33
## 3189 114      1      0      B        9
## 3190 107      1      0      B       45
## 3191 106      0      0      B       22
## 3192 101      1      0      B       41
## 3193 104      0      0      B       21
## 3194 129      0      1      B      160
## 3195  97      0      0      B       32
## 3196 112      1      0      B       24
## 3197  79      1      0      B       69
## 3198  78      0      0      B       17
## 3199 106      1      0      B       36
## 3200  98      1      1      B       80
## 3201 115      0      0      B       56
## 3202 141      1      0      B       28
## 3203 109      1      0      B       94
## 3204 121      1      0      B       50
## 3205 109      1      0      B       31
## 3206  85      1      0      B       35
## 3207  97      0      0      B       51
## 3208  90      0      0      B       24
## 3209 127      1      0      B       50
## 3210 126      1      0      B       27
## 3211 100      1      0      B       78
## 3212 104      1      0      B       30
## 3213 106      1      0      B       36
## 3214 137      1      0      B       16
## 3215 111      1      0      B       45
## 3216 123      1      0      B       25
## 3217 106      0      0      B       43
## 3218 112      1      0      B        9
## 3219  99      0      0      B       54
## 3220 104      1      0      B       39
## 3221 103      0      0      B       94
## 3222  99      1      0      B       40
## 3223 129      1      0      B       47
## 3224 108      0      0      B       38
## 3225  99      0      0      B       86
## 3226 105      0      0      B       16
## 3227  99      0      0      B       49
## 3228 114      1      0      B        9
```

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## 3229 138        0        0        B         39
## 3230 127        0        0        B         71
## 3231 110        1        0        B         24
## 3232 110        0        1        B         58
## 3233  92        1        0        B         17
## 3234 101        0        0        B         63
## 3235 134        0        1        B         31
## 3236 100        1        0        B         22
## 3237  93        0        0        B         25
## 3238 120        1        0        B         36
## 3239 110        0        0        B         43
## 3240 101        1        0        B          7
## 3241 107        0        0        B        285
## 3242 116        1        0        B         14
## 3243 131        1        0        B         20
## 3244 100        1        1        B         17
## 3245 121        1        0        B         58
## 3246 145        0        0        B         58
## 3247  97        1        0        B         40
## 3248 147        1        0        B         29
## 3249 116        1        1        B         16
## 3250 118        1        0        B          9
## 3251 103        0        0        B         26
## 3252 118        1        0        B         27
## 3253 138        0        1        B        114
## 3254  81        1        0        B         27
## 3255 132        0        0        B        168
## 3256 142        0        1        B         25
## 3257  92        0        0        B         33
## 3258 118        0        0        B         16
## 3259 118        0        0        B         77
## 3260  75        0        0        B         32
## 3261  97        1        0        B         16
## 3262 115        1        0        B         24
## 3263 145        1        0        B         15
## 3264 112        0        1        B         82
## 3265 126        1        0        B         11
## 3266 139        0        0        B         20
## 3267  98        1        0        B         31
## 3268  88        1        0        B         32
## 3269 129        0        0        B         50
## 3270 128        1        0        B         17
## 3271 104        1        1        B         19
## 3272 112        1        0        B         76
## 3273  78        1        1        B          6
## 3274 106        1        0        B         35
## 3275 103        0        0        B         52
## 3276 121        0        0        B         73
## 3277  87        0        0        B         44
## 3278 127        0        0        B         93
## 3279 138        1        0        B         37
## 3280  91        0        0        B         59
## 3281 147        0        1        B         29
## 3282  96        1        0        B         47
```

```
## 3283 126        0        1        B         31
## 3284  91        1        0        B         49
## 3285  98        0        0        B         41
## 3286 127        1        0        B         63
## 3287 104        0        0        B         25
## 3288  67        1        0        B         42
## 3289 103        0        0        B         43
## 3290 116        1        0        B         36
## 3291 121        1        0        B         17
## 3292 119        0        0        B         20
## 3293 111        1        0        B         50
## 3294  92        1        0        B         10
## 3295 126        1        0        B         76
## 3296  89        1        0        B         33
## 3297 107        1        0        B         24
## 3298  87        1        0        B         68
## 3299  78        1        0        B         70
## 3300 124        1        0        B         28
## 3301 127        1        0        B         55
## 3302 123        1        0        B         23
## 3303 111        0        0        B         42
## 3304 134        0        1        B        101
## 3305 113        1        0        B         17
## 3306  74        1        0        B         46
## 3307 148        1        0        B         74
## 3308 125        1        0        B         12
## 3309 118        1        0        B         52
## 3310 105        1        0        B         61
## 3311 117        0        0        B         13
## 3312 106        0        0        B         59
## 3313 119        1        0        B         29
## 3314 134        1        0        B         46
## 3315 123        1        0        B         34
## 3316 112        0        0        B         78
## 3317  71        1        0        B         37
## 3318  94        1        0        B         15
## 3319 102        1        0        B         35
## 3320 115        1        0        B         40
## 3321 118        0        0        B         76
## 3322 104        1        0        B         81
## 3323 144        1        0        B         21
## 3324 147        1        0        B         31
## 3325 111        0        0        B         50
## 3326  84        1        1        B         38
## 3327  89        1        0        B         38
## 3328 130        0        0        B         65
## 3329 119        1        0        B         37
## 3330 153        1        0        B         13
## 3331 110        1        0        B         29
## 3332 105        0        0        B        100
## 3333 129        1        0        B         24
## 3334  97        1        0        B         18
## 3335 115        1        0        B         16
## 3336  95        0        0        B         82
```

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## 3337 124        0        0        B         55
## 3338 144        1        0        B         34
## 3339 121        1        0        B         75
## 3340  95        0        0        B         68
## 3341 120        1        1        B         53
## 3342 126        1        1        B         46
## 3343  79        0        0        B         21
## 3344  95        0        0        B         18
## 3345 120        1        0        B          8
## 3346  60        1        0        B         32
## 3347  99        0        0        B         21
## 3348 100        1        1        B         43
## 3349 114        0        0        B         52
## 3350 131        1        0        B         20
## 3351 110        1        0        B         41
## 3352 117        1        0        B         34
## 3353  70        1        0        B        111
## 3354 111        0        0        B         94
## 3355  97        0        0        B         42
## 3356 124        1        0        B         34
## 3357 118        1        0        B        148
## 3358 139        1        0        B         46
## 3359  98        1        0        B         24
## 3360 135        1        0        B         11
## 3361  57        0        0        B        138
## 3362 123        1        0        B         81
## 3363 103        1        0        B         14
## 3364  98        0        0        B         14
## 3365 133        0        0        B         61
## 3366  98        0        0        B         11
## 3367 120        1        0        B         46
## 3368 107        0        0        B         42
## 3369  93        1        0        B         41
## 3370  92        1        0        B          6
## 3371  73        0        0        B         70
## 3372  95        0        0        B         36
## 3373 118        0        0        B         52
## 3374  82        1        0        B         12
## 3375 114        0        0        B         14
## 3376  60        1        1        B         14
## 3377  97        1        0        B         28
## 3378  76        1        0        B         20
## 3379  88        1        0        B         22
## 3380 113        1        0        B         31
## 3381 140        1        0        B         39
## 3382 137        1        0        B         29
## 3383 124        1        0        B         38
## 3384 109        0        0        B         74
## 3385 115        0        0        B         65
## 3386  95        1        0        B         46
## 3387 101        1        0        B         24
## 3388 126        0        0        B         35
## 3389 110        1        0        B         62
## 3390 134        1        0        B         41
```

```
## 3391  89   0   0   B    98
## 3392  78   0   0   B    77
## 3393 149   0   0   B    74
## 3394 132   1   1   B    40
## 3395  85   1   0   B    28
## 3396 122   1   0   B    10
## 3397 116   0   0   B    65
## 3398 118   1   0   B    19
## 3399  66   0   0   B    29
## 3400  91   0   0   B   111
## 3401 125   0   0   B    90
## 3402 103   1   0   B    33
## 3403 119   0   1   B    68
## 3404 104   1   1   B    40
## 3405 136   1   1   B    69
## 3406  91   1   0   B    14
## 3407 133   1   0   B    31
## 3408 103   1   0   B    17
## 3409 130   1   0   B     5
## 3410  79   1   0   B    62
## 3411 111   1   0   B    23
## 3412 126   0   1   B    72
## 3413 111   0   0   B    32
## 3414  95   1   0   B    40
## 3415 108   0   0   B    38
## 3416 135   0   0   B    95
## 3417 111   1   0   B    18
## 3418 116   0   0   B    18
## 3419 102   0   1   B    43
## 3420 136   0   0   B    30
## 3421 117   1   0   B    19
## 3422 121   0   0   B    23
## 3423  85   1   0   B    28
## 3424 122   0   0   B    46
## 3425 120   0   0   B    56
## 3426 115   1   0   B    15
## 3427 130   1   0   B    76
## 3428 105   0   1   B    50
## 3429 132   0   0   B    48
## 3430 130   0   0   B    34
## 3431 140   1   0   B    31
## 3432 113   0   0   B   108
## 3433  78   1   0   B    42
## 3434 113   1   0   B    92
## 3435  89   1   0   B    34
## 3436 122   1   0   B    54
## 3437 103   0   0   B    38
## 3438 151   0   1   B    56
## 3439  93   0   0   B    36
## 3440 129   1   0   B    14
## 3441  79   1   0   B    43
## 3442  93   0   0   B    38
## 3443  92   1   0   B    42
## 3444 125   1   0   B    26
```

```
## 3445 124      1        0        B         79
## 3446 118      0        0        B         60
## 3447  88      1        0        B         26
## 3448  95      1        0        B         42
## 3449 110      1        1        B         42
## 3450  82      0        0        B        102
## 3451 115      0        0        B         62
## 3452  95      1        0        B         36
## 3453  84      1        0        B         27
## 3454 117      1        0        B         53
## 3455 108      1        1        B        365
## 3456 108      0        0        B          5
## 3457 124      0        0        B         60
## 3458  97      1        0        B         18
## 3459 121      0        0        B         55
## 3460 114      0        0        B         31
## 3461 104      1        0        B         17
## 3462 118      0        1        B         41
## 3463  91      1        0        B         29
## 3464 108      1        0        B         18
## 3465 128      1        0        B         37
## 3466 118      0        0        B         41
## 3467 131      0        0        B         12
## 3468 110      1        0        B         60
## 3469 132      1        0        B         49
## 3470 107      0        1        B         60
## 3471 102      1        0        B         53
## 3472 148      1        0        B         10
## 3473 121      1        0        B         21
## 3474 135      1        0        B         86
## 3475  95      0        0        B         59
## 3476  96      1        0        B         42
## 3477 108      0        1        B        110
## 3478 100      0        0        B          8
## 3479 101      1        0        B         38
## 3480  60      1        0        B          7
## 3481 101      1        0        B         33
## 3482 108      1        0        B         84
## 3483  94      0        0        B         76
## 3484 121      0        0        B         38
## 3485 116      1        1        B         73
## 3486 117      0        0        B         28
## 3487 143      1        0        B         28
## 3488 112      1        0        B          3
## 3489  98      1        0        B          5
## 3490 102      1        0        B         70
## 3491  74      0        0        B         46
## 3492 111      0        0        B         93
## 3493  87      0        0        B         49
## 3494 128      1        0        B         67
## 3495 115      0        1        B         26
## 3496 133      0        0        B         33
## 3497 158      1        0        B         31
## 3498  98      1        0        B         36
```

```
## 3499  63    0    0    B     36
## 3500 118    1    0    B     50
## 3501 161    1    0    B     12
## 3502 122    1    0    B     24
## 3503 115    0    0    B     95
## 3504 111    1    0    B     15
## 3505 105    0    0    B     34
## 3506 116    1    0    B     76
## 3507  83    0    0    B     35
## 3508 114    1    0    B     23
## 3509 110    1    0    B     61
## 3510 110    1    0    B     14
## 3511 130    1    0    B     39
## 3512 135    1    0    B     38
## 3513 117    0    0    B     19
## 3514 103    1    0    B     19
## 3515 125    1    0    B     57
## 3516  99    0    0    B     14
## 3517 110    0    0    B     83
## 3518  76    1    0    B      4
## 3519 121    0    0    B    108
## 3520  83    0    1    B    365
## 3521 105    1    0    B     56
## 3522  91    0    0    B     88
## 3523 108    1    0    B     28
## 3524 101    0    0    B      8
## 3525 103    0    0    B     41
## 3526 112    1    0    B     23
## 3527 103    1    0    B     40
## 3528  88    0    0    B     30
## 3529 106    1    0    B     27
## 3530 102    1    0    B     28
## 3531 145    0    0    B    188
## 3532 116    1    1    B     40
## 3533 131    1    1    B     44
## 3534 130    1    0    B     77
## 3535 126    1    1    B     81
## 3536 142    1    0    B     34
## 3537  99    1    0    B     53
## 3538 111    1    0    B     59
## 3539 139    0    0    B     46
## 3540 120    0    0    B     14
## 3541 127    0    0    B     91
## 3542 108    1    0    B     38
## 3543  95    1    0    B     42
## 3544 105    1    0    B     10
## 3545  99    1    0    B     65
## 3546 104    0    0    B     68
## 3547 127    1    0    B     22
## 3548 107    1    0    B     21
## 3549 126    1    0    B      9
## 3550 137    1    0    B     24
## 3551  87    0    0    B     51
## 3552  89    1    0    B     35
```

```
## 3553 122       1        0       B         16
## 3554 102       1        0       B         18
## 3555  87       0        0       B         59
## 3556 118       1        0       B         35
## 3557 112       0        0       B         84
## 3558 124       1        0       B          5
## 3559 113       0        0       B         49
## 3560 114       1        0       B         26
## 3561  76       1        0       B         42
## 3562 135       1        0       B         33
## 3563 103       0        0       B         70
## 3564 105       1        0       B         17
## 3565  97       0        0       B         30
## 3566 106       0        0       B         38
## 3567 126       1        0       B         24
## 3568  86       1        1       B         39
## 3569  67       1        0       B         25
## 3570 115       1        0       B         57
## 3571  94       0        0       B         55
## 3572 114       0        0       B         97
## 3573 125       1        1       B         45
## 3574  82       1        0       B         58
## 3575  83       0        0       B         69
## 3576 114       0        0       B          6
## 3577 113       1        0       B         28
## 3578 129       0        0       B         78
## 3579 136       1        0       B         39
## 3580 115       0        0       B         28
## 3581 114       1        1       B         48
## 3582 135       1        0       B         10
## 3583 100       1        0       B         29
## 3584  89       0        1       B        197
## 3585  50       1        0       B         25
## 3586 117       1        0       B         42
## 3587  88       1        0       B         23
## 3588  95       1        0       B         13
## 3589 151       1        0       B         52
## 3590 116       1        1       B         34
## 3591 101       0        0       B         62
## 3592 141       0        0       B         56
## 3593  94       0        0       B         25
## 3594  91       1        0       B         44
## 3595 105       1        0       B         16
## 3596 142       1        0       B         75
## 3597  71       1        0       B         33
## 3598  92       0        0       B         72
## 3599 113       1        0       B         40
## 3600 128       1        0       B         64
## 3601 154       0        0       B         47
## 3602 150       0        0       B         19
## 3603  81       1        0       B         30
## 3604 111       1        0       B         10
## 3605 106       1        0       B         25
## 3606  98       0        0       B         18
```

```
## 3607 130       0       0       B        60
## 3608 102       0       0       B        38
## 3609 146       1       0       B        42
## 3610  85       1       0       B        54
## 3611 112       1       0       B        44
## 3612  90       1       0       B        28
## 3613 156       0       0       B        52
## 3614  73       1       1       B        62
## 3615 116       1       0       B        21
## 3616 132       0       0       B        16
## 3617 130       1       0       B        64
## 3618 128       1       0       B        51
## 3619  89       1       0       B        50
## 3620  85       0       0       B        77
## 3621  89       1       0       B        62
## 3622 118       0       0       B        69
## 3623  98       1       0       B        52
## 3624 125       1       0       B        20
## 3625 110       0       1       B        58
## 3626 122       1       1       B        26
## 3627  55       1       0       B         4
## 3628 135       0       0       B       129
## 3629 117       0       0       B        33
## 3630 140       1       0       B        45
## 3631  96       1       1       B        47
## 3632  68       1       0       B        45
## 3633 109       1       0       B        70
## 3634  90       1       0       B        52
## 3635  95       1       0       B        21
## 3636 119       1       0       B         9
## 3637  95       0       0       B        26
## 3638 107       1       0       B        33
## 3639 130       0       0       B       121
## 3640 103       1       0       B        33
## 3641  69       1       0       B        92
## 3642 105       0       0       B        40
## 3643 148       1       0       B        15
## 3644 111       1       0       B        15
## 3645 129       0       0       B        19
## 3646 103       1       0       B        54
## 3647 128       1       0       B        52
## 3648 115       0       0       B        52
## 3649  88       1       1       B        52
## 3650  99       0       0       B        68
## 3651 106       1       0       B         9
## 3652 168       0       0       B        21
## 3653 112       1       0       B        42
## 3654 118       1       0       B        45
## 3655 144       1       0       B        22
## 3656 110       0       0       B        78
## 3657  85       1       0       B        12
## 3658 116       1       0       B        55
## 3659 124       1       0       B        16
## 3660 115       0       0       B        10
```

```
## 3661 108      0        1        B              33
## 3662  92      1        0        B              21
## 3663  94      1        0        B              40
## 3664  83      0        0        B              92
## 3665  70      0        0        B              53
## 3666 124      1        0        B               8
## 3667 118      1        0        B              56
## 3668 104      1        0        B              50
## 3669 107      0        0        B              32
## 3670  79      1        0        B              35
## 3671 124      0        0        B              20
## 3672  94      0        1        B              55
## 3673 118      0        0        B              78
## 3674 121      1        0        B              35
## 3675  91      0        0        B              15
## 3676 132      0        0        B              17
## 3677 129      1        0        B              42
## 3678 117      0        0        B              55
## 3679  89      1        0        B              83
## 3680 121      1        0        B              44
## 3681 118      0        0        B              29
## 3682 136      1        1        B              32
## 3683  84      1        0        B              22
## 3684 107      0        0        B              72
## 3685 125      0        0        B              21
## 3686 121      1        0        B              25
## 3687 112      0        0        B              11
## 3688 118      1        0        B              25
## 3689 136      0        0        B              41
## 3690 123      1        0        B              41
## 3691 132      1        0        B              31
## 3692 129      1        0        B              21
## 3693 137      1        0        B              42
## 3694  95      1        0        B              10
## 3695 104      1        0        B              15
## 3696 124      1        0        B              31
## 3697  77      0        0        B              43
## 3698 100      1        1        B              16
## 3699 132      1        0        B              44
## 3700  94      0        0        B              55
## 3701  83      1        0        B              74
## 3702 107      1        0        B              59
## 3703 149      1        0        B              15
## 3704  96      1        0        B               4
## 3705 104      1        0        B              80
## 3706 121      1        1        B              22
## 3707 106      0        0        B              40
## 3708  80      0        1        B              41
## 3709 142      0        0        B              43
## 3710 120      1        0        B              56
## 3711 105      0        0        B              52
## 3712  93      0        0        B              71
## 3713 102      0        0        B              47
## 3714  70      1        0        B              76
```

```
## 3715 106       1        0        B            79
## 3716 102       1        0        B            40
## 3717 101       0        0        B            55
## 3718  99       0        0        B            36
## 3719 104       0        0        B            30
## 3720 109       1        0        B            73
## 3721 107       0        0        B            29
## 3722 147       1        0        B            29
## 3723 103       0        0        B            22
## 3724  88       0        1        B            34
## 3725 112       1        0        B            71
## 3726 133       1        0        B            55
## 3727 123       1        0        B            27
## 3728 120       1        0        B           108
## 3729 107       1        0        B            25
## 3730  97       1        0        B            26
## 3731 120       1        0        B            25
## 3732  90       0        0        B            25
## 3733  96       0        0        B            55
## 3734  96       0        0        B            70
## 3735  74       0        0        B            80
## 3736 105       1        0        B            45
## 3737 142       1        0        B            30
## 3738 107       1        0        B             8
## 3739 102       0        0        B             5
## 3740  89       0        0        B            35
## 3741 103       1        0        B            46
## 3742 106       1        0        B            18
## 3743 105       1        0        B            61
## 3744  94       0        0        B            33
## 3745 113       1        0        B            54
## 3746 109       0        0        B            20
## 3747 152       0        0        B            74
## 3748 110       0        0        B            18
## 3749  73       1        0        B            26
## 3750 102       1        0        B            28
## 3751  83       0        0        B            41
## 3752 121       1        0        B            62
## 3753 125       0        0        B            78
## 3754  84       0        0        B            35
## 3755 117       1        0        B            17
## 3756 140       0        0        B            33
## 3757  86       0        0        B            33
## 3758  94       0        0        B            45
## 3759 127       0        0        B            88
## 3760  57       1        0        B            18
## 3761  92       1        0        B            23
## 3762 112       0        1        B            36
## 3763 149       0        0        B            37
## 3764 124       1        0        B           109
## 3765 136       0        0        B            19
## 3766  86       0        1        B            79
## 3767  93       1        1        B            68
## 3768  83       1        0        B            30
```

```
## 3769 125       1        0        B         42
## 3770  88       1        0        B         54
## 3771 117       0        0        B         73
## 3772 143       1        0        B         22
## 3773 127       0        0        B         71
## 3774 123       1        0        B         24
## 3775  90       1        0        B         44
## 3776 144       1        0        B         18
## 3777  68       1        0        B         17
## 3778 102       1        0        B         41
## 3779  85       1        0        B         52
## 3780 125       0        0        B         41
## 3781  88       1        1        B         74
## 3782 113       0        0        B         66
## 3783  96       0        0        B         16
## 3784  74       0        0        B         43
## 3785 109       1        0        B          8
## 3786  93       0        0        B         45
## 3787 118       1        0        B         24
## 3788  93       1        1        B        119
## 3789 116       1        0        B         45
## 3790 116       1        0        B         16
## 3791 111       1        0        B          1
## 3792 119       1        0        B         23
## 3793 120       1        0        B         32
## 3794 105       1        0        B         18
## 3795  83       1        0        B         24
## 3796 128       1        0        B         27
## 3797 112       1        0        B         39
## 3798 117       0        0        B         55
## 3799  86       1        0        B         31
## 3800 143       0        0        B         37
## 3801 145       1        0        B         79
## 3802  88       1        0        B        103
## 3803  84       0        0        B         56
## 3804 111       1        0        B         70
## 3805 100       1        0        B         81
## 3806 106       0        0        B         36
## 3807  95       1        0        B        143
## 3808 125       0        0        B         96
## 3809 129       0        0        B         50
## 3810  67       1        0        B         37
## 3811 131       1        0        B         46
## 3812 122       1        0        B         27
## 3813  92       1        0        B         11
## 3814 153       1        0        B         23
## 3815 115       0        1        B         56
## 3816 132       0        0        B         21
## 3817 126       1        0        B         46
## 3818 144       0        0        B         98
## 3819 146       1        0        B         47
## 3820 104       0        0        B         27
## 3821 100       0        0        B         36
## 3822 108       1        0        B         60
```

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## 3823 123       1        0        B        120
## 3824 115       0        0        B         12
## 3825  86       0        1        B         74
## 3826  96       0        0        B         31
## 3827 123       1        0        B         16
## 3828  99       1        0        B         60
## 3829 100       1        0        B         43
## 3830 102       0        0        B         30
## 3831 126       1        0        B         11
## 3832 122       0        0        B         15
## 3833 109       0        0        B        137
## 3834  89       0        0        B         28
## 3835 126       1        0        B         22
## 3836  98       0        0        B         31
## 3837 114       1        0        B         13
## 3838 108       1        0        B        129
## 3839  99       1        0        B         12
## 3840 119       0        0        B         51
## 3841  86       0        0        B         20
## 3842  78       0        0        B         34
## 3843 118       1        1        B         47
## 3844 115       0        0        B         14
## 3845 141       1        0        B         48
## 3846 141       1        0        B         23
## 3847  98       0        0        B         53
## 3848 111       1        0        B         33
## 3849  94       1        0        B         25
## 3850 122       1        0        B         16
## 3851 124       1        0        B          6
## 3852  83       1        1        B         11
## 3853  61       1        0        B         53
## 3854 112       1        0        B         66
## 3855 120       1        0        B         18
## 3856 110       1        0        B         30
## 3857  86       1        0        B         31
## 3858  92       0        0        B         70
## 3859 116       1        1        B         50
## 3860 151       1        1        B        105
## 3861 106       1        0        B         43
## 3862 102       1        0        B         17
## 3863 100       0        0        B         41
## 3864 111       0        0        B         19
## 3865  47       0        0        B        365
## 3866 127       0        0        B         21
## 3867  77       0        0        B         45
## 3868  67       0        0        B         52
## 3869 103       0        0        B         92
## 3870 136       0        0        B         13
## 3871 147       0        0        B         21
## 3872 119       0        0        B         42
## 3873  85       1        0        B         29
## 3874  84       0        0        B         63
## 3875 119       0        0        B         29
## 3876 104       1        1        B         47
```

```
## 3877 122      1        0        B        50
## 3878 101      0        1        B        51
## 3879 108      0        0        B        29
## 3880 102      0        0        B        28
## 3881 114      0        1        B        69
## 3882  72      0        1        B        38
## 3883 117      0        0        B        65
## 3884  91      1        0        B        25
## 3885 143      1        1        B        48
## 3886  98      1        0        B        30
## 3887 112      1        1        B        23
## 3888 127      0        1        B        46
## 3889  67      0        0        B        56
## 3890 110      0        0        B        61
## 3891 105      1        1        B        51
## 3892 125      1        0        B        60
## 3893 132      1        0        B        38
## 3894 106      0        0        B        44
## 3895  95      1        0        B        30
## 3896  90      0        0        B        59
## 3897  99      0        0        B        48
## 3898  87      1        0        B        18
## 3899 125      0        0        B        49
## 3900  78      0        0        B        25
## 3901 144      1        0        B        15
## 3902 106      1        0        B         8
## 3903 109      1        0        B        25
## 3904 103      0        1        B        23
## 3905 104      1        1        B        61
## 3906 134      1        0        B        17
## 3907 116      1        1        B        43
## 3908 123      1        0        B        47
## 3909 105      1        0        B        31
## 3910 100      1        0        B        10
## 3911 100      0        0        B        96
## 3912 106      0        0        B        48
## 3913  91      1        0        B        87
## 3914 124      0        0        B        11
## 3915  78      1        0        B        17
## 3916  98      0        0        B        12
## 3917 145      1        0        B        15
## 3918 123      0        0        B        42
## 3919  97      1        0        B        52
## 3920 111      1        1        B        78
## 3921 104      1        0        B        53
## 3922 100      0        0        B        19
## 3923 152      0        0        B        25
## 3924 135      1        0        B        35
## 3925 119      0        1        B        46
## 3926 108      1        0        B        24
## 3927 112      0        0        B        20
## 3928  95      0        0        B        14
## 3929 127      0        0        B        67
## 3930 121      0        0        B        32
```

```
## 3931 131       0       0       B        59
## 3932 104       1       0       B        41
## 3933 134       1       0       B        17
## 3934 132       1       0       B        21
## 3935 132       1       0       B        50
## 3936 112       0       0       B        86
## 3937  97       1       0       B        42
## 3938 118       0       0       B        32
## 3939  89       1       0       B        30
## 3940 128       0       0       B        38
## 3941 131       1       0       B        36
## 3942 151       1       0       B        36
## 3943 109       1       0       B        35
## 3944 143       1       0       B        14
## 3945 102       0       0       B        56
## 3946 127       0       0       B        39
## 3947  69       1       0       B        23
## 3948 142       0       0       B        22
## 3949 114       1       0       B        20
## 3950 115       0       0       B         9
## 3951 102       1       0       B        13
## 3952  91       0       0       B        44
## 3953 126       0       0       B       284
## 3954 114       0       0       B        44
## 3955 100       1       0       B        49
## 3956  83       0       0       B        36
## 3957 116       1       0       B        31
## 3958  94       0       0       B        28
## 3959 132       1       0       B        73
## 3960 131       0       0       B        49
## 3961 127       0       0       B        65
## 3962 103       1       0       B        37
## 3963  89       1       0       B        31
## 3964  98       1       0       B       365
## 3965 105       1       0       B        38
## 3966 125       1       0       B        53
## 3967  96       1       0       B        22
## 3968 108       1       0       B        18
## 3969 133       0       0       B         6
## 3970  95       1       0       B        15
## 3971 124       1       0       B        19
## 3972  86       1       0       B        40
## 3973  58       1       0       B        38
## 3974  86       1       0       B        68
## 3975 114       1       0       B        18
## 3976 108       1       0       B        16
## 3977 109       0       0       B        41
## 3978  73       0       0       B        46
## 3979 115       1       0       B        50
## 3980  71       0       0       B        40
## 3981  96       0       0       B        50
## 3982  98       1       0       B        11
## 3983 149       1       0       B        40
## 3984 127       1       0       B        33
```

```
## 3985 116      1         0         B           29
## 3986 115      0         1         B          133
## 3987  80      1         0         B           42
## 3988  92      0         0         B           23
## 3989 145      0         0         B           33
## 3990 138      1         0         B           29
## 3991 125      0         0         B           40
## 3992 117      1         0         B           59
## 3993 135      1         0         B           31
## 3994 108      1         0         B           42
## 3995 120      1         0         B           19
## 3996 114      1         0         B           37
## 3997 152      1         0         B           10
## 3998  96      1         0         B           65
## 3999  91      1         1         B           25
## 4000 133      0         1         B          200
## 4001 125      1         0         B           57
## 4002  93      0         1         B           56
## 4003 142      1         0         B           13
## 4004 113      0         0         B           35
## 4005 102      0         0         B          101
## 4006 108      1         0         B          196
## 4007 119      0         0         B           45
## 4008  73      1         0         B           40
## 4009  92      1         0         B           52
## 4010 127      1         0         B           20
## 4011 126      0         0         B           50
## 4012 132      1         0         B           10
## 4013 107      1         0         B           28
## 4014  80      1         0         B           41
## 4015  95      1         0         B           40
## 4016  89      1         0         B           49
## 4017 118      0         0         B           11
## 4018  84      0         0         B           19
## 4019 100      1         0         B           29
## 4020 105      1         0         B           46
## 4021 111      1         0         B           16
## 4022 118      1         0         B           31
## 4023  91      0         0         B           30
## 4024  90      1         0         B           46
## 4025  95      0         0         B           18
## 4026  98      0         0         B           41
## 4027 136      0         0         B           60
## 4028 115      1         0         B           33
## 4029 105      1         0         B           30
## 4030 131      1         0         B           66
## 4031 108      1         0         B           13
## 4032  92      1         0         B           30
## 4033 138      0         0         B           59
## 4034 111      1         0         B           20
## 4035 116      1         0         B           24
## 4036 119      1         0         B          124
## 4037  98      1         0         B           27
## 4038 118      0         0         B           28
```

```
## 4039 105      0        0        B         83
## 4040 112      0        0        B         47
## 4041 102      0        0        B         30
## 4042  95      1        1        B         41
## 4043 128      0        0        B         57
## 4044 135      1        0        B         32
## 4045 162      0        0        B         28
## 4046  76      1        0        B         63
## 4047 128      0        0        B         50
## 4048 130      1        0        B        365
## 4049 105      1        1        B         71
## 4050 135      0        0        B         23
## 4051 128      1        0        B         23
## 4052 112      0        0        B         62
## 4053  95      1        0        B         42
## 4054 130      0        0        B         12
## 4055 105      1        0        B         54
## 4056 128      1        0        B         18
## 4057 124      1        0        B         51
## 4058 116      1        1        B        252
## 4059 123      0        0        B         25
## 4060 147      0        0        B         39
## 4061 132      1        0        B         37
## 4062  90      0        0        B        144
## 4063 117      0        0        B         41
## 4064  70      0        0        B         18
## 4065 110      0        0        B         22
## 4066 139      0        0        B         26
## 4067  93      1        0        B         48
## 4068 102      0        0        B         35
## 4069 114      1        1        B         36
## 4070 145      0        0        B         27
## 4071  95      0        0        B         48
## 4072 116      1        0        B         39
## 4073 103      1        0        B         25
## 4074 112      1        0        B          5
## 4075  72      1        0        B         38
## 4076  87      1        1        B         12
## 4077 103      1        0        B         55
## 4078 149      1        0        B         36
## 4079 138      0        0        B         49
## 4080  88      1        0        B         46
## 4081 124      1        0        B         77
## 4082  98      1        0        B         10
## 4083 142      1        0        B         46
## 4084 105      0        0        B         14
## 4085 111      0        0        B         59
## 4086 141      0        0        B         24
## 4087  92      0        1        B         25
## 4088  95      0        0        B         24
## 4089 100      1        1        B         49
## 4090 140      0        0        B         30
## 4091 111      1        0        B         28
## 4092  96      0        0        B         74
```

```
## 4093 111      1        0        B          28
## 4094 106      1        0        B          91
## 4095 139      1        0        B          27
## 4096 107      0        0        B          21
## 4097 119      0        0        B          46
## 4098 149      0        0        B          65
## 4099  62      0        0        B          16
## 4100 119      0        0        B          24
## 4101  98      0        1        B          33
## 4102  79      0        0        B          54
## 4103 100      0        0        B          28
## 4104  80      1        0        B          40
## 4105  79      0        0        B         102
## 4106 120      0        1        B          25
## 4107  75      1        0        B          37
## 4108  80      0        1        B          38
## 4109 116      1        0        B          27
## 4110 114      1        0        B          25
## 4111 126      0        0        B          25
## 4112 124      0        0        B         100
## 4113 101      1        0        B          49
## 4114 123      1        0        B           3
## 4115  97      0        0        B          44
## 4116 115      1        0        B          47
## 4117 103      1        0        B           5
## 4118 110      1        0        B          21
## 4119 117      0        0        B          13
## 4120 143      1        0        B          24
## 4121  95      1        0        B          54
## 4122 105      0        0        B         130
## 4123 114      0        0        B          12
## 4124  86      1        0        B          28
## 4125 117      0        0        B          27
## 4126 171      0        0        B         130
## 4127 108      0        0        B          36
## 4128 124      1        0        B          24
## 4129 119      1        0        B          52
## 4130 118      0        0        B          33
## 4131  77      1        0        B          19
## 4132 103      0        0        B         155
## 4133 121      1        0        B          24
## 4134 101      1        0        B          23
## 4135 124      1        0        B          30
## 4136  93      1        1        B          23
## 4137  90      0        1        B         144
## 4138 136      1        0        B          34
## 4139 142      1        0        B          28
## 4140 132      1        0        B          26
## 4141  61      1        0        B          41
## 4142 125      0        0        B          13
## 4143 132      1        0        B          28
## 4144  63      1        0        B          29
## 4145 107      1        0        B          17
## 4146 121      0        0        B          46
```

```
## 4147 110     1       0       B       155
## 4148  95     1       0       B        14
## 4149  95     1       0       B        52
## 4150  65     0       0       B       133
## 4151  96     1       0       B        22
## 4152 125     1       0       B        74
## 4153 100     0       0       B       236
## 4154 102     0       0       B       100
## 4155 117     1       0       B         7
## 4156 123     1       0       B        68
## 4157  89     1       0       B        10
## 4158  80     0       1       B        67
## 4159  96     1       0       B        27
## 4160 124     0       0       B        24
## 4161 102     0       0       B        36
## 4162 102     1       0       B        34
## 4163 164     1       0       B        13
## 4164 112     1       0       B        21
## 4165 121     1       0       B        78
## 4166  95     1       0       B        27
## 4167 118     1       0       B        42
## 4168 149     1       0       B        26
## 4169  81     0       0       B        49
## 4170 118     1       0       B        41
## 4171 109     1       0       B        14
## 4172 100     0       0       B        39
## 4173  52     1       0       B        38
## 4174 121     1       0       B        46
## 4175 146     1       0       B        28
## 4176  85     0       1       B        47
## 4177 140     1       0       B        39
## 4178 128     1       0       B        65
## 4179 128     1       0       B        42
## 4180  92     1       0       B        14
## 4181  85     0       0       B        20
## 4182  74     1       0       B        41
## 4183 107     1       0       B        28
## 4184 123     0       0       B        62
## 4185 116     1       0       B        39
## 4186 173     1       0       B         5
## 4187 108     1       0       B        36
## 4188 116     1       0       B        97
## 4189 123     1       0       B        17
## 4190  86     1       0       B        73
## 4191  82     0       0       B       106
## 4192 124     1       0       B        34
## 4193 103     1       0       B        60
## 4194  80     0       0       B        23
## 4195 120     1       0       B        30
## 4196  99     0       0       B        13
## 4197 135     0       0       B        56
## 4198 101     1       0       B        27
## 4199 120     0       0       B        70
## 4200 113     1       1       B        22
```

```
## 4201 139        0        0        B          17
## 4202 123        1        0        B          34
## 4203  97        0        1        B          52
## 4204 135        1        0        B          12
## 4205  85        0        0        B          49
## 4206  66        1        0        B          66
## 4207 101        0        0        B          87
## 4208  56        1        0        B          41
## 4209 128        1        1        B         101
## 4210  77        1        0        B          36
## 4211  92        0        0        B          28
## 4212 138        0        0        B          16
## 4213  87        0        0        B          43
## 4214 133        0        0        B          51
## 4215 127        0        1        B          55
## 4216  82        0        0        B          85
## 4217 104        1        0        B          57
## 4218 103        1        0        B          36
## 4219 119        1        1        B          10
## 4220 107        0        0        B           7
## 4221  84        1        0        B          70
## 4222 109        1        0        B          54
## 4223 110        1        0        B         108
## 4224 126        0        1        B          71
## 4225  87        1        0        B          44
## 4226 115        1        0        B           6
## 4227 133        0        0        B          46
## 4228 132        1        0        B          32
## 4229  69        1        0        B          53
## 4230 168        1        0        B          26
## 4231 110        0        0        B          30
## 4232  84        0        0        B          23
## 4233 114        0        0        B          21
## 4234 116        0        0        B          75
## 4235  85        0        0        B          11
## 4236  86        0        0        B           8
## 4237  97        0        0        B          72
## 4238 101        1        1        B          88
## 4239 122        0        0        B          24
## 4240 119        0        0        B          44
## 4241 131        1        0        B          33
## 4242 105        0        1        B          79
## 4243 121        1        0        B          21
## 4244  91        0        0        B          16
## 4245 122        0        0        B          42
## 4246 127        0        0        B          51
## 4247  93        1        0        B          51
## 4248 106        0        0        B          43
## 4249 112        0        0        B          49
## 4250 136        1        0        B          34
## 4251  94        1        0        B          14
## 4252 144        1        0        B          28
## 4253  88        1        0        B          20
## 4254 119        1        0        B          37
```

```
## 4255  97    0    0    B     56
## 4256  89    1    0    B     51
## 4257 126    1    0    B     23
## 4258  96    0    0    B      7
## 4259 110    1    0    B     11
## 4260 104    0    0    B     20
## 4261 120    1    0    B     35
## 4262  96    1    0    B     17
## 4263 124    0    0    B     10
## 4264 132    1    0    B     39
## 4265 105    0    0    B     12
## 4266 101    1    0    B     34
## 4267 130    1    1    B     80
## 4268 103    1    0    B     53
## 4269  90    1    0    B     38
## 4270 114    0    0    B     22
## 4271 127    1    0    B     24
## 4272  90    1    0    B      9
## 4273  73    0    0    B     82
## 4274 108    1    0    B     17
## 4275 121    0    0    B      7
## 4276  66    1    0    B      8
## 4277  72    1    0    B     11
## 4278  87    0    0    B     45
## 4279  94    1    0    B     39
## 4280 101    0    0    B     25
## 4281 159    0    0    B     51
## 4282  74    0    0    B     36
## 4283 120    0    0    B     33
## 4284 149    0    0    B     38
## 4285  86    0    0    B    104
## 4286  93    1    0    B     21
## 4287  77    0    0    B    147
## 4288 104    1    0    B     28
## 4289 113    1    0    B     34
## 4290 112    0    0    B    128
## 4291 148    1    0    B     59
## 4292 127    0    0    B     42
## 4293 118    1    0    B     59
## 4294 145    1    0    B     81
## 4295 107    1    0    B     43
## 4296 111    1    0    B     24
## 4297 128    0    0    B     12
## 4298 124    0    0    B     31
## 4299 118    1    0    B     10
## 4300 120    0    0    B     19
## 4301 117    0    0    B     55
## 4302 124    1    0    B     51
## 4303 121    1    0    B     43
## 4304  99    0    0    B     33
## 4305 113    1    0    B     50
## 4306  77    1    0    B     98
## 4307  93    0    0    B     67
## 4308  82    0    0    B     33
```

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## 4309 101      1        0        B         27
## 4310 109      0        0        B         41
## 4311 117      1        0        B        365
## 4312 144      0        0        B         53
## 4313 130      0        0        B         58
## 4314 117      0        0        B         49
## 4315 123      1        0        B         30
## 4316 105      1        0        B         14
## 4317  93      1        0        B         24
## 4318  97      0        0        B         28
## 4319 115      0        0        B         26
## 4320 129      0        0        B         36
## 4321 141      0        0        B         78
## 4322 108      0        0        B         54
## 4323  96      1        0        B         20
## 4324 133      1        0        B         99
## 4325 139      0        0        B         15
## 4326 122      0        1        B         94
## 4327 106      1        0        B         81
## 4328 111      1        0        B         18
## 4329 134      1        0        B         22
## 4330 148      1        0        B         17
## 4331 102      0        0        B         60
## 4332  84      1        0        B         53
## 4333  86      0        0        B         31
## 4334 123      1        0        B         61
## 4335 124      1        0        B          6
## 4336 108      1        0        B         31
## 4337 120      1        0        B         44
## 4338  96      0        0        B        104
## 4339 129      1        0        B         17
## 4340 105      0        0        B         31
## 4341  55      1        0        B         27
## 4342  85      1        0        B         30
## 4343 106      1        0        B         26
## 4344 127      0        0        B         52
## 4345  72      1        0        B         22
## 4346  94      0        0        B         30
## 4347 148      0        0        B         19
## 4348  96      0        0        B         49
## 4349 131      0        0        B         36
## 4350 111      1        0        B         32
## 4351 105      1        0        B         28
## 4352 128      1        0        B         19
## 4353 141      0        0        B         70
## 4354 108      0        0        B          9
## 4355  78      0        0        B         32
## 4356 138      1        0        B         44
## 4357  80      1        0        B         32
## 4358 135      1        0        B         21
## 4359  77      0        0        B         38
## 4360  89      1        0        B         40
## 4361  88      1        0        B         43
## 4362  85      1        0        B         49
```

```
## 4363 133          1          0          B          28
## 4364  98          1          0          B          30
## 4365 102          1          0          B          18
## 4366 124          1          1          B          62
## 4367 120          0          0          B           7
## 4368  95          0          0          B         365
## 4369 124          1          0          B          22
## 4370 135          1          0          B          55
## 4371  88          0          0          B          39
## 4372 116          0          1          B          37
## 4373 114          0          0          B         343
## 4374  87          1          0          B          16
## 4375 129          1          0          B          51
## 4376 109          0          0          B          58
## 4377 121          1          0          B          35
## 4378 127          1          1          B          67
## 4379 116          0          0          B          67
## 4380 108          1          0          B          32
## 4381 116          1          0          B          29
## 4382  73          1          0          B          61
## 4383 101          1          0          B          22
## 4384 118          1          0          B          56
## 4385 111          0          0          B          12
## 4386 123          1          0          B          30
## 4387 122          0          1          B          35
## 4388  97          0          1          B         114
## 4389 107          1          0          B          38
## 4390  99          1          0          B           9
## 4391 102          1          0          B          21
## 4392 100          0          0          B          12
## 4393  78          1          0          B          38
## 4394 105          1          0          B          28
## 4395 118          0          0          B         109
## 4396  97          1          0          B          19
## 4397 159          0          0          B          86
## 4398  81          1          0          B          29
## 4399  97          1          0          B          37
## 4400 134          0          0          B          19
## 4401 127          0          0          B          69
## 4402 140          1          0          B          76
## 4403 101          0          0          B           6
## 4404 122          0          0          B          79
## 4405 123          1          0          B          43
## 4406 125          1          0          B          22
## 4407 132          1          0          B          18
## 4408 115          1          0          B          35
## 4409 124          1          0          B          55
## 4410  94          1          0          B          17
## 4411 115          0          0          B          42
## 4412  79          0          0          B          64
## 4413 100          0          0          B          28
## 4414 124          1          0          B          31
## 4415 133          0          0          B          53
## 4416 107          1          0          B          37
```

```
## 4417 117        1        0        B         92
## 4418 130        1        0        B         56
## 4419 146        0        0        B         78
## 4420 137        1        0        B         32
## 4421 118        1        0        B          8
## 4422  90        0        0        B         93
## 4423 119        1        0        B         66
## 4424  87        1        0        B         54
## 4425 142        1        0        B         49
## 4426  99        0        0        B         26
## 4427  88        1        0        B         58
## 4428 119        1        0        B         28
## 4429 169        1        0        B         27
## 4430 115        1        0        B         48
## 4431 152        1        0        B         22
## 4432 131        1        0        B         27
## 4433  84        1        1        B         70
## 4434  99        1        0        B         28
## 4435 135        1        0        B         44
## 4436 108        1        0        B        289
## 4437 119        0        0        B         78
## 4438 106        1        0        B         53
## 4439  98        1        0        B        116
## 4440  88        1        0        B         51
## 4441  89        1        1        B         27
## 4442 100        0        0        B         48
## 4443  86        1        0        B         17
## 4444 149        1        0        B        111
## 4445 120        0        0        B         23
## 4446  74        0        0        B         28
## 4447 138        1        1        B         72
## 4448 118        1        0        B         27
## 4449 113        1        0        B         65
## 4450 145        1        0        B          7
## 4451 133        1        0        B         38
## 4452 129        1        0        B         24
## 4453 112        1        0        B         27
## 4454 104        0        0        B         71
## 4455 110        1        0        B         79
## 4456 118        1        0        B         12
## 4457 117        1        1        B         22
## 4458  90        0        0        B         46
## 4459 110        0        0        B         26
## 4460 118        0        0        B         44
## 4461 107        0        0        B         53
## 4462 119        1        0        B         29
## 4463 109        1        0        B         26
## 4464 139        0        0        B         38
## 4465  96        0        1        B         74
## 4466 119        1        0        B         40
## 4467 129        1        0        B         54
## 4468  99        1        0        B         32
## 4469 134        0        0        B         80
## 4470  89        1        1        B         90
```

```
## 4471 121      1        0        B              17
## 4472 145      0        0        B              39
## 4473 118      1        0        B              17
## 4474 111      1        0        B              26
## 4475 107      1        0        B              55
## 4476  52      1        0        B              29
## 4477 120      1        0        B              43
## 4478 103      0        0        B              26
## 4479 112      1        0        B              16
## 4480  67      1        0        B              35
## 4481 120      0        0        B             100
## 4482 104      0        0        B              38
## 4483 117      1        0        B              49
## 4484  92      1        0        B              47
## 4485 118      1        0        B              68
## 4486 131      1        0        B              45
## 4487  96      1        0        B              19
## 4488 101      0        0        B              67
## 4489 132      1        0        B              14
## 4490 113      0        0        B              76
## 4491 101      0        0        B              73
## 4492  85      1        1        B               7
## 4493 118      0        0        B              93
## 4494  94      1        0        B              20
## 4495 139      0        1        B              88
## 4496 123      0        0        B             117
## 4497 111      0        0        B             136
## 4498  86      0        0        B              27
## 4499 121      1        0        B              43
## 4500 117      1        0        B              44
## 4501 106      1        0        B              16
## 4502  90      1        0        B              41
## 4503 139      1        0        B              18
## 4504  96      1        0        B              54
## 4505 100      1        0        B              21
## 4506 129      1        0        B              47
## 4507 127      1        0        B              29
## 4508 133      0        0        B              44
## 4509  83      1        0        B              73
## 4510  98      0        0        B              82
## 4511 125      1        1        B              13
## 4512  96      0        0        B              18
## 4513 116      1        0        B              27
## 4514 110      1        0        B              55
## 4515  80      1        0        B              73
## 4516 102      0        1        B              48
## 4517  78      0        0        B              25
## 4518 102      0        0        B              37
## 4519  81      1        0        B              11
## 4520 135      1        0        B              43
## 4521 120      1        0        B              50
## 4522 131      0        0        B              44
## 4523 110      0        0        B              63
## 4524 119      0        0        B              39
```

```
## 4525 106    1    0    B    18
## 4526 109    1    0    B    49
## 4527  93    1    0    B    45
## 4528 113    0    0    B    91
## 4529 127    0    0    B    36
## 4530  92    0    0    B     9
## 4531 112    0    0    B    62
## 4532 100    0    0    B    85
## 4533 113    1    0    B    32
## 4534 104    1    0    B    50
## 4535 112    0    0    B    34
## 4536 109    1    1    B    28
## 4537 135    0    0    B    35
## 4538 116    0    0    B    10
## 4539 106    1    1    B    20
## 4540 121    1    0    B    35
## 4541 130    1    0    B    15
## 4542 119    0    0    B    10
## 4543 132    0    0    B    50
## 4544 114    0    0    B    27
## 4545  92    1    0    B    32
## 4546  84    1    0    B    31
## 4547 142    1    0    B    19
## 4548 106    1    0    B    15
## 4549  98    1    0    B    39
## 4550 109    1    0    B    21
## 4551 116    1    0    B    51
## 4552  51    1    0    B    32
## 4553  97    0    0    B    30
## 4554 105    0    0    B    31
## 4555 113    1    0    B    24
## 4556  80    1    0    B    16
## 4557  73    1    0    B    23
## 4558 147    1    0    B    50
## 4559 104    1    0    B    11
## 4560  90    1    0    B    36
## 4561 125    1    1    B    56
## 4562  95    1    0    B    31
## 4563 101    0    0    B    30
## 4564  81    1    0    B    39
## 4565 111    1    0    B    73
## 4566 100    1    0    B    48
## 4567  93    0    0    B    39
## 4568  85    1    0    B    55
## 4569 111    1    0    B     3
## 4570 112    1    0    B    33
## 4571 100    0    0    B    10
## 4572 124    0    0    B    28
## 4573 120    0    0    B    47
## 4574 118    1    0    B    73
## 4575 122    1    0    B    35
## 4576 123    1    0    B    86
## 4577  94    1    0    B    76
## 4578 128    1    0    B    20
```

```
## 4579 106      1         0        B         60
## 4580 124      0         0        B         68
## 4581 101      0         0        B         37
## 4582 120      1         0        B         45
## 4583 115      0         0        B         22
## 4584 136      0         0        B         69
## 4585 105      0         0        B         65
## 4586  92      1         0        B         49
## 4587 105      0         0        B         17
## 4588  98      1         1        B         80
## 4589 143      0         0        B          9
## 4590  91      1         0        B         62
## 4591 110      0         0        B         15
## 4592 125      1         0        B         36
## 4593 138      0         0        B        126
## 4594  89      0         0        B         21
## 4595 148      1         0        B         30
## 4596 118      1         0        B         14
## 4597 126      1         0        B        176
## 4598  80      1         0        B         32
## 4599 101      1         0        B         45
## 4600 112      1         0        B         27
## 4601  97      0         1        B         29
## 4602 123      1         0        B         48
## 4603 139      1         0        B          7
## 4604  96      1         0        B         24
## 4605 123      1         0        B         59
## 4606 138      0         0        B         56
## 4607 102      0         0        B         38
## 4608  90      1         0        B         42
## 4609 114      0         0        B         39
## 4610 123      0         1        B         85
## 4611  63      1         0        B         31
## 4612 153      0         1        B         73
## 4613 105      1         0        B         75
## 4614  87      0         0        B         21
## 4615  76      0         0        B         37
## 4616 124      1         0        B         60
## 4617  97      0         0        B         45
## 4618 104      1         0        B         54
## 4619 132      0         0        B         36
## 4620 105      1         0        B         30
## 4621 120      1         0        B         27
## 4622 124      0         0        B         62
## 4623 149      1         0        B         12
## 4624  91      1         0        B         24
## 4625 138      1         0        B        104
## 4626 112      1         1        B        105
## 4627 116      0         0        B         33
## 4628  95      0         0        B         86
## 4629  93      1         0        B         39
## 4630  95      1         0        B         29
## 4631 131      0         0        B         13
## 4632 104      1         0        B         62
```

```
## 4633 100        1           0      B        29
## 4634  77        0           0      B        31
## 4635 116        0           0      B        38
## 4636 107        0           0      B        58
## 4637 140        1           0      B        15
## 4638 105        0           0      B        27
## 4639 140        0           0      B        41
## 4640 101        1           0      B        20
## 4641 103        0           0      B        37
## 4642 105        1           0      B        77
## 4643  93        0           1      B         9
## 4644 119        0           0      B        36
## 4645  96        1           0      B        38
## 4646 141        1           0      B        28
## 4647 151        0           0      B        43
## 4648  98        0           0      B        69
## 4649  61        1           0      B        35
## 4650 119        0           0      B        36
## 4651 100        0           0      B        28
## 4652  98        1           0      B        47
## 4653 152        1           1      B        50
## 4654 118        0           0      B        40
## 4655  78        1           0      B        50
## 4656  91        0           0      B        51
## 4657 122        1           0      B        14
## 4658  98        1           0      B        38
## 4659 119        1           0      B        61
## 4660  99        0           1      B        29
## 4661 105        1           1      B        47
## 4662  85        1           0      B        26
## 4663 162        0           0      B        43
## 4664 110        1           0      B        54
## 4665 117        1           0      B        47
## 4666 108        0           0      B        50
## 4667  94        1           1      B        21
## 4668 120        1           0      B        21
## 4669 115        0           0      B        60
## 4670 108        1           0      B        25
## 4671  79        1           0      B        97
## 4672 111        0           0      B        14
## 4673  94        1           0      B         7
## 4674 149        0           0      B       107
## 4675 116        1           1      B        44
## 4676 120        1           0      B         5
## 4677  94        0           0      B        51
## 4678 131        1           0      B        52
## 4679 131        1           0      B        26
## 4680 113        1           0      B        45
## 4681 121        1           0      B        38
## 4682 116        1           1      B        43
## 4683  64        0           0      B        35
## 4684 139        1           0      B        16
## 4685 128        0           0      B        59
## 4686  97        1           0      B        25
```

```
## 4687  93     0        1        B             73
## 4688 114     1        0        B             19
## 4689 117     0        0        B             33
## 4690 127     1        0        B              4
## 4691 106     0        0        B             47
## 4692  91     1        0        B             29
## 4693 142     0        0        B             30
## 4694 163     1        0        B             34
## 4695 115     0        0        B             27
## 4696  92     1        0        B             19
## 4697 121     1        0        B             83
## 4698  89     1        0        B             30
## 4699 112     1        0        B             40
## 4700 125     0        0        B             18
## 4701 130     1        0        B             30
## 4702 102     0        0        B             47
## 4703 104     0        0        B             37
## 4704 115     1        0        B              6
## 4705 104     0        0        B             67
## 4706 100     1        0        B             40
## 4707  83     0        1        B             70
## 4708 135     0        0        B             33
## 4709 141     1        0        B             19
## 4710  75     0        0        B             30
## 4711 141     1        0        B             18
## 4712 108     0        0        B             20
## 4713 124     1        0        B             20
## 4714 100     1        0        B             10
## 4715 112     1        0        B             52
## 4716 100     1        0        B             46
## 4717 141     1        0        B             45
## 4718  94     1        0        B             44
## 4719  94     0        0        B             17
## 4720 108     1        0        B             13
## 4721  87     1        0        B              7
## 4722  67     0        0        B             55
## 4723  95     0        0        B              9
## 4724  82     1        0        B             53
## 4725 119     0        0        B             36
## 4726 149     0        0        B             23
## 4727  96     1        0        B             52
## 4728 131     1        0        B             41
## 4729 119     0        0        B             13
## 4730 118     0        0        B             69
## 4731 100     0        0        B             42
## 4732 112     0        0        B              7
## 4733  97     0        0        B             28
## 4734 107     1        0        B             36
## 4735  94     1        1        B             34
## 4736  84     1        0        B             16
## 4737 114     1        1        B             44
## 4738 106     1        0        B              8
## 4739 135     0        0        B             45
## 4740 132     1        0        B             58
```

```
## 4741  92        0        0        B         65
## 4742 110        0        0        B         16
## 4743 130        1        0        B         11
## 4744 143        0        0        B         17
## 4745 101        0        0        B          9
## 4746  86        1        0        B         29
## 4747 118        1        1        B        103
## 4748 123        1        0        B         57
## 4749  98        0        0        B         25
## 4750 115        1        0        B         20
## 4751 104        0        0        B         18
## 4752  95        0        0        B         77
## 4753 101        1        1        B         65
## 4754 135        1        0        B         24
## 4755 115        1        1        B         66
## 4756 140        1        0        B        159
## 4757  79        1        0        B         45
## 4758 103        0        0        B         72
## 4759  64        0        1        B         62
## 4760  99        0        0        B         74
## 4761 108        1        0        B         29
## 4762 115        0        1        B         41
## 4763 108        0        0        B         30
## 4764 106        0        1        B         25
## 4765 120        0        0        B        145
## 4766 119        0        0        B         54
## 4767 100        1        0        B        216
## 4768 124        1        0        B          5
## 4769  96        1        0        B         30
## 4770 108        1        0        B         39
## 4771 125        0        0        B          6
## 4772 102        0        0        B         21
## 4773 107        0        1        B         24
## 4774  82        0        0        B        103
## 4775  95        1        0        B         17
## 4776 143        1        0        B         43
## 4777 109        0        0        B         28
## 4778 106        1        1        B         73
## 4779 123        1        0        B         24
## 4780 146        0        0        B         28
## 4781 107        1        0        B        133
## 4782  91        0        0        B        109
## 4783 120        1        0        B         22
## 4784  87        0        0        B         83
## 4785  64        0        0        B         22
## 4786  67        1        0        B         14
## 4787 125        1        0        B         60
## 4788 101        0        0        B         72
## 4789 117        0        1        B         90
## 4790  96        0        0        B         34
## 4791 102        0        0        B         56
## 4792 100        1        0        B         33
## 4793 114        0        0        B         31
## 4794 107        1        0        B         20
```

```
## 4795 112        1        0        B            23
## 4796 167        1        0        B            56
## 4797 118        0        0        B            58
## 4798  84        1        0        B            30
## 4799 125        0        0        B           109
## 4800 132        1        0        B            28
## 4801 120        1        0        B            66
## 4802 104        1        0        B            41
## 4803 102        1        0        B            31
## 4804 103        0        0        B            61
## 4805 116        0        0        B            11
## 4806 113        0        0        B            41
## 4807 120        1        0        B            83
## 4808 103        1        0        B            22
## 4809  86        0        0        B            59
## 4810  86        1        0        B            23
## 4811 128        1        0        B            23
## 4812 115        1        0        B            35
## 4813 107        1        0        B            50
## 4814 112        0        0        B            92
## 4815 134        0        0        B            70
## 4816 143        1        1        B            19
## 4817 125        0        0        B            18
## 4818 103        1        0        B            37
## 4819 103        1        0        B            55
## 4820 104        0        0        B            28
## 4821  91        0        0        B            28
## 4822 110        1        0        B            23
## 4823 111        1        0        B            74
## 4824 115        0        0        B            56
## 4825 103        1        0        B            33
## 4826 110        0        1        B            71
## 4827 146        1        0        B            11
## 4828  91        1        0        B           104
## 4829 119        1        0        B            23
## 4830 104        0        0        B            52
## 4831  89        1        0        B            20
## 4832 125        1        0        B            39
## 4833 139        1        0        B            37
## 4834  94        1        0        B            15
## 4835 121        1        0        B             7
## 4836 105        1        0        B             6
## 4837  95        1        0        B            67
## 4838  79        1        0        B            31
## 4839  75        1        0        B            47
## 4840  87        1        0        B            28
## 4841 129        1        0        B            25
## 4842 106        1        0        B            51
## 4843 112        1        0        B            28
## 4844 123        1        1        B            38
## 4845 108        0        0        B            69
## 4846 163        1        0        B            12
## 4847 108        1        0        B            48
## 4848 114        1        0        B            91
```

```
## 4849  97         1          0          B                22
## 4850 117         1          0          B                13
## 4851  65         1          0          B                14
## 4852 109         1          0          B                24
## 4853 103         1          0          B                25
## 4854 108         1          0          B                15
## 4855 121         1          0          B                19
## 4856 149         1          0          B                33
## 4857 135         1          0          B                28
## 4858  66         1          1          B                66
## 4859 107         0          0          B                21
## 4860 130         1          0          B                19
## 4861 104         1          0          B                46
## 4862  92         1          0          B                70
## 4863 137         1          0          B                38
## 4864  88         0          0          B                22
## 4865 122         0          0          B                48
## 4866  99         1          1          B                 4
## 4867 139         1          0          B                30
## 4868  90         1          0          B                30
## 4869 121         1          1          B                39
## 4870  93         1          1          B                39
## 4871 124         1          0          B                50
## 4872 119         1          0          B                43
## 4873  96         0          0          B                50
## 4874 107         1          0          B                34
## 4875  96         1          0          B                11
## 4876 119         1          0          B                42
## 4877 108         1          0          B                44
## 4878 119         1          0          B                17
## 4879 124         1          0          B                24
## 4880 102         0          0          B                96
## 4881 115         1          0          B                52
## 4882 105         1          0          B                77
## 4883 121         1          0          B                64
## 4884 109         0          0          B                27
## 4885  98         1          0          B                16
## 4886 138         1          0          B                 6
## 4887  89         0          0          B                43
## 4888 127         1          0          B                49
## 4889  97         1          0          B                21
## 4890 120         1          0          B                29
## 4891  92         1          0          B                10
## 4892 104         0          0          B                98
## 4893  82         1          0          B                19
## 4894 115         1          0          B                15
## 4895 131         0          0          B                41
## 4896  87         0          0          B                85
## 4897 103         0          1          B                67
## 4898 112         1          0          B                11
## 4899  76         1          1          B                57
## 4900  87         1          0          B                37
## 4901 100         1          0          B                43
## 4902  86         1          0          B                 7
```

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## 4903  93    0    0    B    32
## 4904  93    1    0    B    50
## 4905 123    1    0    B    32
## 4906 103    1    0    B    32
## 4907 114    1    1    B    62
## 4908 105    1    0    B    11
## 4909 143    1    0    B    31
## 4910 130    1    0    B    22
## 4911  76    1    0    B    18
## 4912  94    1    0    B    30
## 4913 138    1    0    B    44
## 4914  92    1    0    B     9
## 4915  83    1    0    B    50
## 4916  99    0    0    B    30
## 4917  68    1    0    B    15
## 4918 154    0    0    B    64
## 4919 125    1    0    B    36
## 4920  97    0    1    B    40
## 4921  99    1    0    B    84
## 4922 136    0    0    B    92
## 4923  97    0    0    B    35
## 4924 149    0    0    B    79
## 4925 109    0    0    B    46
## 4926  92    1    1    B    32
## 4927 125    1    0    B    48
## 4928 114    1    0    B    60
## 4929 114    0    0    B    27
## 4930  91    1    0    B    21
## 4931 123    1    1    B    39
## 4932  72    0    0    B    18
## 4933 117    1    0    B    24
## 4934 106    1    0    B    58
## 4935 101    1    0    B    44
## 4936 122    1    0    B    28
## 4937  96    0    0    B    53
## 4938 124    0    0    B    14
## 4939 123    0    0    B    18
## 4940 135    1    0    B    57
## 4941  70    1    0    B    48
## 4942 108    0    0    B    15
## 4943 122    1    1    B    80
## 4944 102    1    0    B    29
## 4945 135    1    0    B    35
## 4946 113    1    0    B    10
## 4947  96    0    0    B    83
## 4948  98    1    0    B    22
## 4949  89    1    1    B    71
## 4950 121    1    0    B    15
## 4951  95    1    0    B    43
## 4952  71    1    0    B    74
## 4953 112    0    1    B    80
## 4954 135    0    0    B    34
## 4955  85    0    0    B    68
## 4956 140    1    0    B    28
```

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## 4957 113       1         0       B          26
## 4958 104       0         0       B          65
## 4959  91       1         0       B          19
## 4960 120       1         0       B          19
## 4961 118       0         0       B          15
## 4962  96       0         0       B          67
## 4963  90       1         0       B          26
## 4964 116       0         0       B          68
## 4965 136       0         0       B           7
## 4966 111       1         0       B          49
## 4967 102       1         0       B          48
## 4968 108       1         0       B          64
## 4969 124       0         0       B          98
## 4970  92       0         0       B          29
## 4971 125       1         0       B          51
## 4972 110       1         0       B          21
## 4973 101       0         0       B          96
## 4974 111       1         0       B          46
## 4975 127       0         0       B          33
## 4976  96       0         0       B          24
## 4977  95       1         0       B         252
## 4978 146       1         0       B          43
## 4979  97       0         0       B           9
## 4980  91       1         0       B          45
## 4981  96       1         0       B          16
## 4982 114       1         0       B          28
## 4983 144       0         0       B          33
## 4984 106       1         0       B          47
## 4985 145       1         0       B          94
## 4986 105       1         0       B          27
## 4987 132       1         0       B          17
## 4988 116       1         0       B           1
## 4989 117       1         0       B          12
## 4990 123       1         0       B          12
## 4991 141       0         0       B          54
## 4992 127       0         0       B          27
## 4993 114       1         0       B          21
## 4994 114       1         0       B          59
## 4995 115       1         0       B          44
## 4996 114       1         1       B          60
## 4997 103       0         0       B         136
## 4998 132       1         0       B          18
## 4999  78       1         0       B          40
## 5000 132       0         0       B          16
## 5001 127       1         0       B          27
## 5002 134       1         0       B           4
## 5003 108       1         0       B          84
## 5004 101       1         0       B          62
## 5005  89       1         0       B          16
## 5006  90       0         0       B          29
## 5007 128       1         0       B          59
## 5008  84       1         0       B          14
## 5009 103       0         0       B          45
## 5010 144       0         0       B          53
```

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## 5011 127     1          0          B           49
## 5012  68     1          0          B           53
## 5013 137     0          0          B           29
## 5014 126     1          0          B            7
## 5015  90     0          0          B           39
## 5016  97     0          0          B           71
## 5017 102     1          0          B           11
## 5018 137     1          0          B           26
## 5019 113     1          0          B           18
## 5020  94     1          0          B            9
## 5021 121     1          0          B          148
## 5022 156     1          0          B           15
## 5023  82     1          0          B           45
## 5024  82     0          0          B           67
## 5025  91     1          0          B           29
## 5026  96     1          0          B           21
## 5027  79     1          0          B           72
## 5028 107     1          1          B           46
## 5029  90     0          0          B           37
## 5030 119     1          1          B           88
## 5031 118     1          0          B           59
## 5032 100     0          0          B           54
## 5033 101     1          0          B           24
## 5034 144     0          0          B           98
## 5035 115     1          0          B           56
## 5036 137     1          0          B           72
## 5037 121     1          0          B           47
## 5038 117     0          0          B           49
## 5039 105     1          1          B           37
## 5040 103     1          1          B           38
## 5041 130     1          0          B           50
## 5042 101     1          0          B            4
## 5043  91     1          0          B           16
## 5044 137     0          0          B           58
## 5045 148     0          0          B           29
## 5046 110     1          0          B           41
## 5047 138     1          0          B           47
## 5048  83     1          0          B           70
## 5049 101     0          1          B           40
## 5050 121     1          0          B           19
## 5051  87     1          0          B           27
## 5052  96     0          0          B           72
## 5053 107     1          1          B          121
## 5054 126     1          0          B           23
## 5055 116     0          0          B           17
## 5056 126     1          0          B           11
## 5057 110     0          0          B           42
## 5058  92     0          0          B           34
## 5059 122     1          0          B           43
## 5060 133     1          0          B           40
## 5061  95     1          0          B           43
## 5062 137     1          0          B           30
## 5063 113     1          0          B           55
## 5064 108     0          0          B           36
```

```
## 5065 112        0        0        B         110
## 5066 131        1        1        B          60
## 5067 135        0        0        B          23
## 5068 114        1        0        B          29
## 5069 123        0        0        B          35
## 5070  99        1        0        B          29
## 5071 159        1        0        B          24
## 5072  96        0        0        B         238
## 5073 103        1        0        B          18
## 5074 128        1        0        B          15
## 5075  99        0        0        B          41
## 5076 105        0        0        B          22
## 5077 106        0        0        B          34
## 5078 141        1        0        B          48
## 5079 105        0        0        B          29
## 5080  78        1        0        B          23
## 5081  96        1        0        B          51
## 5082 130        1        0        B          38
## 5083 117        1        0        B          28
## 5084 109        1        0        B          34
## 5085 130        1        0        B          45
## 5086 116        1        0        B          24
## 5087  91        1        0        B          27
## 5088 122        0        0        B          39
## 5089 107        1        0        B          29
## 5090  94        1        0        B           8
## 5091  89        0        1        B          45
## 5092 129        1        0        B          19
## 5093 121        1        0        B          18
## 5094 111        0        0        B         113
## 5095 114        0        0        B          62
## 5096  94        0        0        B          40
## 5097 118        0        0        B          54
## 5098  94        0        1        B          29
## 5099  98        1        0        B          47
## 5100 130        1        0        B          45
## 5101 138        0        0        B          30
## 5102 103        1        1        B          48
## 5103 110        0        0        B          22
## 5104  88        1        0        B          21
## 5105 132        1        0        B          12
## 5106 124        1        0        B          23
## 5107 126        1        0        B          36
## 5108  84        1        1        B           3
## 5109 101        1        0        B          60
## 5110 119        0        0        B          36
## 5111 157        1        0        B          33
## 5112 120        1        0        B          51
## 5113  95        1        0        B          11
## 5114 109        1        0        B          35
## 5115  95        0        0        B          14
## 5116 114        0        0        B          35
## 5117  97        1        0        B          22
## 5118 119        0        1        B          94
```

```
## 5119 119      1        0        B          42
## 5120 112      1        0        B          17
## 5121 110      0        0        B          20
## 5122 133      0        0        B          23
## 5123 112      1        1        B          88
## 5124 119      1        0        B          32
## 5125 134      1        0        B          38
## 5126 116      1        0        B          57
## 5127 108      1        0        B          34
## 5128 157      0        0        B          67
## 5129 151      1        0        B          28
## 5130 105      0        1        B          23
## 5131  67      1        0        B          75
## 5132  88      0        0        B          64
## 5133  95      1        0        B          86
## 5134  97      1        0        B          33
## 5135 115      0        0        B          31
## 5136 105      1        0        B          27
## 5137 112      1        0        B          24
## 5138 113      0        0        B          68
## 5139 118      1        0        B          17
## 5140 108      1        0        B          35
## 5141 130      1        0        B          26
## 5142 113      1        0        B          14
## 5143 101      0        0        B          17
## 5144 140      0        0        B         100
## 5145 147      0        0        B          61
## 5146 133      1        0        B          52
## 5147 125      0        0        B          33
## 5148 125      1        0        B          38
## 5149  77      1        0        B          64
## 5150 122      1        0        B          62
## 5151 113      0        1        B          21
## 5152 112      1        1        B          22
## 5153  68      1        1        B          25
## 5154  81      0        0        B          24
## 5155 122      1        0        B          45
## 5156 122      1        0        B          52
## 5157 119      0        0        B          24
## 5158 105      0        0        B          53
## 5159 114      0        0        B          43
## 5160 126      1        0        B           8
## 5161 125      0        0        B          36
## 5162 149      1        0        B          66
## 5163  68      1        0        B          22
## 5164 125      1        0        B          31
## 5165  96      1        0        B          28
## 5166  73      1        0        B          63
## 5167 130      0        0        B          50
## 5168 118      1        0        B          64
## 5169 113      0        0        B         134
## 5170 120      0        0        B          35
## 5171 105      0        0        B          23
## 5172  93      1        1        B          33
```

```
## 5173  84      0      0      B       23
## 5174 145      1      0      B       18
## 5175 141      1      0      B       29
## 5176  92      1      0      B       15
## 5177 126      1      0      B       27
## 5178 106      0      0      B       34
## 5179 147      1      0      B       11
## 5180  82      1      0      B       23
## 5181  87      1      0      B       67
## 5182 101      0      0      B       31
## 5183  74      0      0      B       78
## 5184 141      0      0      B       59
## 5185 114      0      0      B       38
## 5186 109      1      0      B       18
## 5187 128      1      0      B       19
## 5188 130      1      0      B       39
## 5189 117      1      1      B       20
## 5190 113      1      0      B       47
## 5191  96      0      0      B       62
## 5192 102      1      0      B       23
## 5193 108      0      0      B       12
## 5194 139      1      0      B       92
## 5195 121      0      0      B       49
## 5196 130      1      0      B       46
## 5197 112      1      0      B       53
## 5198 108      1      0      B      116
## 5199 142      0      0      B       40
## 5200  75      1      1      B       27
## 5201 102      0      0      B       25
## 5202 142      1      0      B       10
## 5203 107      1      1      B       30
## 5204 114      0      0      B       14
## 5205  85      1      0      B       79
## 5206 119      0      0      B       78
## 5207  85      0      0      B       52
## 5208 103      0      0      B       27
## 5209 132      1      1      B       70
## 5210 121      0      0      B       14
## 5211 120      1      0      B       31
## 5212  78      1      0      B       40
## 5213 114      1      0      B       20
## 5214 139      1      0      B        9
## 5215 131      1      0      B       57
## 5216 113      0      0      B       17
## 5217 129      1      0      B       38
## 5218 123      1      0      B       71
## 5219  73      1      0      B       27
## 5220  98      1      0      B       13
## 5221 112      1      0      B       41
## 5222  97      1      0      B       59
## 5223 101      1      0      B       45
## 5224 132      1      0      B       41
## 5225 125      0      0      B       18
## 5226  91      0      1      B       84
```

```
## 5227 130        1        0        B           24
## 5228 126        1        1        B           17
## 5229  85        0        0        B           95
## 5230 101        0        0        B           25
## 5231 124        0        0        B           69
## 5232 107        1        0        B           12
## 5233  91        1        0        B           55
## 5234 138        1        1        B           98
## 5235 107        1        1        B           34
## 5236  66        1        0        B           26
## 5237 112        0        1        B           63
## 5238 134        1        0        B           19
## 5239 132        0        0        B           57
## 5240 113        1        0        B           18
## 5241  92        1        1        B           39
## 5242  86        0        0        B           54
## 5243  61        1        0        B           46
## 5244 134        0        0        B           64
## 5245 146        0        0        B           27
## 5246 128        0        0        B           45
## 5247 114        1        0        B          104
## 5248 134        0        0        B           59
## 5249 104        1        0        B           19
## 5250 103        0        0        B           47
## 5251 102        0        0        B           18
## 5252  76        1        0        B           49
## 5253 136        1        1        B           56
## 5254 116        1        0        B           32
## 5255 110        0        0        B          156
## 5256  84        1        0        B           30
## 5257 129        1        0        B           43
## 5258 101        0        0        B          116
## 5259  91        1        0        B           48
## 5260  89        1        0        B           28
## 5261 118        0        1        B           56
## 5262  98        1        0        B           75
## 5263  79        0        0        B           33
## 5264 120        1        0        B           72
## 5265  85        1        0        B           30
## 5266  78        0        0        B          238
## 5267 103        0        0        B           49
## 5268 136        1        0        B           51
## 5269  74        1        0        B          218
## 5270  91        1        0        B           68
## 5271 111        0        0        B           51
## 5272 106        1        0        B           22
## 5273 141        1        0        B           17
## 5274 105        1        0        B           14
## 5275  99        1        0        B           29
## 5276 121        0        0        B           65
## 5277 126        0        1        B           38
## 5278  86        0        0        B           42
## 5279  88        0        0        B          104
## 5280 114        1        0        B           28
```

```
## 5281 110        0        1        B        102
## 5282 121        0        0        B         81
## 5283 106        1        0        B         24
## 5284 150        0        0        B         43
## 5285  93        1        0        B         16
## 5286 114        0        1        B         48
## 5287 103        1        0        B         27
## 5288 100        0        0        B         28
## 5289  65        1        0        B         48
## 5290  85        0        0        B         27
## 5291  59        0        0        B         21
## 5292 134        0        0        B         40
## 5293 106        1        0        B         63
## 5294  76        1        0        B         49
## 5295  74        1        0        B         19
## 5296  78        1        0        B         57
## 5297 106        0        1        B         75
## 5298 108        0        0        B         12
## 5299  69        1        0        B         54
## 5300 104        1        0        B         93
## 5301 139        1        0        B         17
## 5302 118        0        0        B         23
## 5303  77        1        0        B          8
## 5304 110        1        1        B         59
## 5305 101        1        1        B         42
## 5306 124        0        0        B         14
## 5307  81        0        0        B         34
## 5308 126        1        0        B         22
## 5309 113        1        0        B          7
## 5310 135        1        0        B         20
## 5311 134        1        0        B         66
## 5312  65        1        0        B         39
## 5313 141        0        0        B         27
## 5314  81        1        1        B          5
## 5315 100        0        0        B         51
## 5316 126        1        0        B        150
## 5317  82        0        1        B         32
## 5318 108        1        0        B         47
## 5319 101        1        0        B         21
## 5320 128        1        0        B         31
## 5321 144        0        0        B         10
## 5322 112        0        0        B         44
## 5323 110        1        0        B         31
## 5324 134        1        1        B         53
## 5325 123        1        1        B         53
## 5326 120        1        0        B         58
## 5327 102        1        0        B         24
## 5328 129        1        0        B         32
## 5329 128        1        0        B         20
## 5330 137        0        0        B         39
## 5331 106        0        0        B         21
## 5332 119        1        0        B         26
## 5333  86        0        0        B         38
## 5334 141        0        0        B         45
```

```
## 5335  94       0        0        B              50
## 5336 109       1        0        B              44
## 5337 109       1        0        B              23
## 5338 115       0        0        B              35
## 5339 102       1        0        B              19
## 5340  58       0        0        B              48
## 5341 122       0        0        B              10
## 5342 103       0        0        B              12
## 5343 133       1        0        B              15
## 5344 109       0        0        B             196
## 5345  95       1        0        B               7
## 5346 120       1        0        B              22
## 5347 131       0        0        B              74
## 5348 101       0        0        B              48
## 5349 101       0        0        B               7
## 5350 107       1        0        B              24
## 5351 130       0        1        B              35
## 5352 104       0        1        B              94
## 5353 127       1        0        B              22
## 5354 138       1        0        B              20
## 5355 101       1        0        B              68
## 5356 125       1        0        B              80
## 5357 109       1        0        B              32
## 5358 106       0        0        B             110
## 5359 110       1        0        B              54
## 5360  85       0        0        B              29
## 5361 109       1        0        B              73
## 5362 112       1        0        B              68
## 5363  68       1        0        B              49
## 5364 128       1        0        B              70
## 5365  65       1        0        B              78
## 5366  78       0        0        B              39
## 5367 121       1        1        B              60
## 5368  93       1        0        B              54
## 5369  94       1        0        B             107
## 5370 117       0        0        B              40
## 5371 107       1        0        B              41
## 5372 134       1        0        B              23
## 5373 101       1        0        B              23
## 5374 117       1        0        B              14
## 5375 122       1        0        B              32
## 5376 115       1        0        B             158
## 5377 129       1        0        B              55
## 5378 111       0        0        B              64
## 5379 118       0        0        B              36
## 5380 111       1        0        B              43
## 5381  99       1        0        B              20
## 5382 104       1        0        B              58
## 5383  91       1        0        B              56
## 5384  97       0        0        B              36
## 5385  81       0        0        B              43
## 5386 110       0        0        B              11
## 5387 113       1        1        B             102
## 5388 101       0        0        B              52
```

```
## 5389 116       0       0       B        19
## 5390 103       0       0       B        40
## 5391 135       1       1       B        66
## 5392  88       1       1       B        68
## 5393 117       0       0       B        61
## 5394 147       1       0       B        36
## 5395 132       1       0       B        77
## 5396  86       1       0       B         7
## 5397  85       1       0       B       125
## 5398 100       1       0       B        67
## 5399 126       1       0       B        43
## 5400 100       0       0       B        51
## 5401  68       1       0       B        10
## 5402  70       1       0       B        44
## 5403 128       0       0       B        21
## 5404 101       1       1       B        30
## 5405 123       1       0       B        21
## 5406 140       0       0       B        67
## 5407 149       0       0       B        20
## 5408 104       1       0       B        14
## 5409  97       0       0       B        78
## 5410 110       1       0       B        23
## 5411 102       1       0       B        38
## 5412  96       0       0       B        31
## 5413 120       1       0       B        34
## 5414 108       1       0       B        62
## 5415 116       1       0       B        22
## 5416 119       1       0       B        20
## 5417 148       0       0       B        42
## 5418  96       1       0       B        27
## 5419  64       0       0       B        89
## 5420 104       0       0       B       138
## 5421 126       1       0       B        28
## 5422 131       0       0       B        58
## 5423  92       1       0       B         3
## 5424 108       0       0       B        42
## 5425 130       1       0       B        43
## 5426 116       0       0       B        33
## 5427 119       1       0       B        51
## 5428  91       1       0       B        49
## 5429  91       0       1       B        83
## 5430 107       0       0       B        39
## 5431  88       0       0       B        25
## 5432  89       1       0       B         8
## 5433  80       1       0       B        14
## 5434 129       0       0       B       302
## 5435 146       0       0       B        16
## 5436  88       1       0       B        41
## 5437 104       1       0       B        18
## 5438  89       0       0       B       101
## 5439  99       0       0       B        42
## 5440 172       0       0       B        27
## 5441 117       1       0       B        19
## 5442 141       0       0       B        16
```

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## 5443  87      1        0        B          31
## 5444 109      0        0        B          31
## 5445 127      1        0        B          34
## 5446 110      1        0        B          30
## 5447  90      0        0        B          26
## 5448 104      0        0        B          68
## 5449  98      0        0        B          62
## 5450 121      1        0        B          29
## 5451  67      1        0        B          35
## 5452 112      1        0        B          40
## 5453  83      1        0        B          35
## 5454 128      0        0        B          65
## 5455 129      1        0        B          24
## 5456  84      1        0        B          51
## 5457 128      1        0        B          41
## 5458 136      1        0        B          12
## 5459 120      1        0        B          19
## 5460 116      1        0        B          35
## 5461 113      1        1        B           7
## 5462 148      0        0        B          53
## 5463 103      1        0        B          30
## 5464  89      1        0        B          29
## 5465 136      0        0        B          58
## 5466  89      1        0        B          29
## 5467  98      1        0        B          15
## 5468  94      1        0        B          35
## 5469  95      1        0        B          43
## 5470  92      1        1        B          14
## 5471 124      0        0        B          28
## 5472 138      0        0        B          32
## 5473 146      0        0        B          84
## 5474 130      1        0        B          51
## 5475  85      1        0        B          27
## 5476  99      1        0        B          40
## 5477 121      0        0        B          68
## 5478 102      0        0        B          51
## 5479 111      1        1        B          28
## 5480 113      0        0        B          27
## 5481  90      1        0        B          41
## 5482 102      1        1        B          57
## 5483 127      1        0        B          21
## 5484 137      0        0        B          47
## 5485  78      1        0        B          15
## 5486 119      0        0        B         108
## 5487  91      0        0        B          27
## 5488 100      1        0        B          58
## 5489 104      0        0        B          62
## 5490 130      0        0        B          86
## 5491 106      0        1        B         181
## 5492 113      1        0        B          31
## 5493 116      0        0        B          37
## 5494 117      1        0        B          16
## 5495  97      0        0        B         112
## 5496 104      1        0        B          41
```

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## 5497  75      0        0       B          68
## 5498 111      0        0       B          75
## 5499 105      1        0       B          76
## 5500  97      0        0       B          27
## 5501  71      0        0       B          40
## 5502  98      1        0       B           8
## 5503 140      0        0       B          37
## 5504 115      0        0       B          67
## 5505  69      0        0       B         113
## 5506  99      0        0       B          23
## 5507 163      0        0       B          51
## 5508  99      1        0       B          31
## 5509 106      0        0       B          11
## 5510 123      1        0       B          17
## 5511 135      0        0       B          45
## 5512  47      0        0       B          53
## 5513 128      1        0       B          37
## 5514  93      1        0       B          16
## 5515 102      0        0       B          38
## 5516 110      0        0       B          57
## 5517 124      1        0       B          26
## 5518 120      1        0       B          17
## 5519  93      0        0       B          82
## 5520 109      0        0       B          63
## 5521 100      1        0       B          34
## 5522 110      0        0       B          52
## 5523 112      0        0       B          34
## 5524  99      0        0       B          42
## 5525 140      1        0       B          27
## 5526 102      0        0       B          97
## 5527 108      1        0       B          38
## 5528  70      0        0       B          61
## 5529 114      1        0       B          50
## 5530 117      0        0       B          10
## 5531  75      0        0       B          63
## 5532 114      0        0       B         102
## 5533  69      0        0       B         165
## 5534  77      1        1       B         103
## 5535 146      1        0       B          31
## 5536 107      1        0       B          12
## 5537 115      1        0       B          47
## 5538  92      1        0       B          27
## 5539  96      1        0       B          35
## 5540 122      1        0       B         154
## 5541 128      0        1       B          98
## 5542  88      0        1       B          11
## 5543 117      1        0       B          23
## 5544 127      1        0       B          28
## 5545 100      1        0       B          11
## 5546 122      0        0       B          23
## 5547 113      1        0       B          44
## 5548 113      1        0       B          16
## 5549 130      1        0       B          27
## 5550 131      1        0       B          31
```

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## 5551 143      1        0        B         62
## 5552 105      1        0        B         19
## 5553 108      1        0        B         15
## 5554 105      1        0        B         36
## 5555 134      1        1        B         34
## 5556 119      1        0        B         66
## 5557 128      0        0        B         52
## 5558 119      1        0        B         26
## 5559  86      0        0        B         23
## 5560 104      0        0        B         19
## 5561 137      1        0        B         22
## 5562 102      1        0        B         20
## 5563 140      1        0        B         54
## 5564  85      1        0        B         51
## 5565 126      1        0        B         20
## 5566  89      0        0        B         25
## 5567 139      0        0        B         36
## 5568 109      1        0        B         19
## 5569 174      1        0        B         38
## 5570  88      0        0        B         12
## 5571 126      1        0        B         48
## 5572 108      0        0        B         57
## 5573  85      0        0        B         41
## 5574 130      1        1        B         44
## 5575 127      1        0        B         51
## 5576  96      1        0        B         24
## 5577 117      0        0        B         54
## 5578 135      1        0        B         46
## 5579  79      0        1        B          5
## 5580 103      1        0        B         25
## 5581  95      0        0        B         23
## 5582 103      1        0        B         48
## 5583  94      1        1        B         62
## 5584 127      1        0        B         48
## 5585  80      0        0        B         25
## 5586 124      0        0        B         33
## 5587 145      1        0        B         34
## 5588 107      0        0        B        191
## 5589 114      0        1        B         54
## 5590 126      0        0        B         38
## 5591  76      1        0        B         17
## 5592 131      1        0        B         72
## 5593 130      1        0        B         26
## 5594  99      1        1        B         23
## 5595  96      1        0        B         37
## 5596 144      0        0        B         17
## 5597 132      1        0        B         67
## 5598 131      0        0        B         26
## 5599 142      1        0        B         51
## 5600 116      1        0        B         16
## 5601 104      0        0        B         72
## 5602 112      1        0        B          6
## 5603 132      1        0        B         39
## 5604 124      0        0        B         59
```

```
## 5605 116        0        1        B        15
## 5606 113        1        0        B        59
## 5607  68        0        0        B        24
## 5608 120        1        0        B        62
## 5609  86        1        0        B        27
## 5610 109        1        0        B        13
## 5611  83        1        0        B        20
## 5612 149        0        0        B        27
## 5613 109        1        0        B        13
## 5614 141        1        0        B        12
## 5615 106        1        0        B        15
## 5616 127        0        0        B        33
## 5617 111        0        0        B        41
## 5618 119        1        0        B        21
## 5619  73        1        0        B        31
## 5620 145        1        0        B        46
## 5621 136        1        0        B        44
## 5622 130        1        0        B        36
## 5623 104        0        0        B        10
## 5624  98        1        0        B        14
## 5625 132        0        0        B        35
## 5626 101        1        0        B        20
## 5627 152        1        0        B        19
## 5628 124        1        0        B        37
## 5629 124        1        0        B       101
## 5630 134        1        0        B        14
## 5631 101        1        0        B        80
## 5632 127        0        0        B        87
## 5633 131        1        0        B        33
## 5634 131        1        0        B        18
## 5635 130        1        0        B        40
## 5636 131        0        0        B       105
## 5637  80        0        0        B        43
## 5638  79        1        0        B        59
## 5639  97        0        0        B        34
## 5640 127        1        0        B        22
## 5641  91        1        0        B        20
## 5642 100        0        0        B        78
## 5643 120        1        0        B        14
## 5644 122        0        0        B        39
## 5645  61        0        1        B        22
## 5646  98        1        0        B        20
## 5647 126        1        1        B        25
## 5648 121        1        0        B        49
## 5649 146        0        0        B        61
## 5650 118        1        0        B        47
## 5651  90        1        0        B        21
## 5652 109        1        0        B        73
## 5653 116        1        0        B        51
## 5654  92        1        0        B        69
## 5655 137        1        0        B        32
## 5656  75        0        1        B        61
## 5657 133        1        0        B        36
## 5658  80        1        0        B        60
```

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## 5659  90      0        0        B           73
## 5660 118      0        0        B           16
## 5661 113      1        0        B           30
## 5662 103      0        0        B           48
## 5663  89      0        0        B           35
## 5664  73      1        0        B           41
## 5665 127      0        0        B          100
## 5666 168      0        0        B           66
## 5667  77      0        0        B           26
## 5668 102      1        0        B           26
## 5669 133      1        1        B           44
## 5670 108      1        0        B           28
## 5671  83      0        0        B           60
## 5672 110      1        0        B           54
## 5673 109      1        0        B           27
## 5674  95      0        0        B           55
## 5675  98      1        0        B           17
## 5676  96      1        0        B           40
## 5677  93      1        0        B          229
## 5678 122      1        1        B           38
## 5679 138      1        0        B           37
## 5680 104      1        0        B           14
## 5681 135      1        0        B           21
## 5682 103      1        0        B           61
## 5683  97      1        0        B           26
## 5684  98      0        0        B           32
## 5685 163      1        0        B          107
## 5686 131      0        1        B           62
## 5687 123      1        0        B           39
## 5688  89      1        0        B           64
## 5689 109      0        0        B           68
## 5690 106      1        0        B           15
## 5691  85      0        0        B           38
## 5692 132      0        0        B           60
## 5693  92      1        0        B           29
## 5694 130      0        0        B           16
## 5695 178      1        0        B           67
## 5696 123      1        0        B           28
## 5697 121      1        0        B           32
## 5698 115      1        0        B           10
## 5699 109      1        0        B           28
## 5700 121      1        0        B           24
## 5701 106      1        0        B           31
## 5702 113      0        0        B           88
## 5703 120      1        0        B           10
## 5704  84      0        0        B           22
## 5705 102      1        0        B            9
## 5706 119      1        0        B           47
## 5707  80      0        1        B           79
## 5708  92      1        0        B            9
## 5709  85      0        0        B           72
## 5710 135      1        0        B           36
## 5711 120      0        0        B           59
## 5712  81      1        0        B           26
```

```
## 5713  89    1    0    B    28
## 5714 126    1    0    B    32
## 5715 137    1    0    B    19
## 5716  96    0    0    B    27
## 5717 108    1    0    B    50
## 5718 132    1    0    B    44
## 5719  95    0    0    B    35
## 5720 108    1    0    B    16
## 5721  95    1    0    B    41
## 5722 121    0    1    B    34
## 5723 143    0    0    B    32
## 5724 147    1    1    B    94
## 5725 129    1    0    B    35
## 5726  96    0    1    B    38
## 5727 121    1    0    B    27
## 5728  90    1    0    B    65
## 5729  91    1    0    B     9
## 5730  96    0    0    B    14
## 5731 138    1    0    B    36
## 5732  76    0    1    B    27
## 5733 111    1    0    B    41
## 5734 117    0    0    B    29
## 5735 110    1    0    B    28
## 5736  91    0    0    B    45
## 5737  69    1    0    B   165
## 5738  81    1    0    B    12
## 5739 120    0    0    B    74
## 5740 115    0    0    B    20
## 5741 106    0    0    B    64
## 5742 127    1    0    B    19
## 5743 120    1    0    B    29
## 5744 105    1    0    B    53
## 5745  93    0    0    B   192
## 5746  93    1    0    B    34
## 5747  91    1    0    B    21
## 5748 123    0    0    B    18
## 5749 130    1    0    B    53
## 5750 102    1    0    B    51
## 5751 114    1    1    B    37
## 5752 126    1    0    B    27
## 5753 114    1    1    B   118
## 5754 119    1    0    B    27
## 5755 129    0    0    B    93
## 5756 115    1    0    B    61
## 5757 112    1    0    B     9
## 5758 101    1    0    B    37
## 5759  80    1    0    B    28
## 5760 124    0    0    B    16
## 5761  68    1    1    B    34
## 5762 122    0    0    B    54
## 5763  99    1    0    B    10
## 5764 119    0    0    B    31
## 5765 110    1    0    B    32
## 5766  99    1    0    B    43
```

```
## 5767 101      1        0       B             48
## 5768 119      1        0       B             20
## 5769 112      1        1       B             39
## 5770 107      0        0       B             41
## 5771 111      0        0       B             89
## 5772 116      0        0       B             29
## 5773  89      1        0       B             16
## 5774 109      0        0       B             23
## 5775  98      0        0       B            183
## 5776 122      0        0       B             39
## 5777 138      0        0       B             23
## 5778 124      0        0       B             46
## 5779 107      1        0       B             20
## 5780 129      1        0       B             77
## 5781 121      1        0       B             32
## 5782 118      0        0       B             41
## 5783  97      0        0       B             37
## 5784 119      0        0       B             93
## 5785 120      0        0       B             63
## 5786  98      1        0       B             30
## 5787  99      1        0       B             35
## 5788  94      1        0       B             21
## 5789 101      1        0       B             28
## 5790 123      1        1       B             38
## 5791  97      0        0       B             58
## 5792 106      1        0       B             47
## 5793 160      1        0       B              6
## 5794 103      1        0       B            178
## 5795 112      1        1       B             44
## 5796 118      0        0       B             14
## 5797  92      1        0       B             10
## 5798  83      0        0       B             15
## 5799  73      1        0       B             28
## 5800 132      1        1       B             25
## 5801  96      0        0       B             22
## 5802 111      1        0       B             32
## 5803  73      0        0       B             67
## 5804  97      1        0       B             23
## 5805  96      1        1       B             17
## 5806 107      1        0       B             57
## 5807  88      0        0       B             51
## 5808 122      0        0       B             52
## 5809 129      1        0       B             14
## 5810  87      1        0       B             43
## 5811 101      1        1       B             35
## 5812 122      1        0       B            113
## 5813 101      1        1       B             29
## 5814 132      1        0       B             20
## 5815 107      1        0       B             26
## 5816 100      0        0       B             54
## 5817  91      0        1       B             78
## 5818 110      0        0       B             25
## 5819 112      0        0       B             10
## 5820 104      1        0       B             40
```

```
## 5821 110      1          0          B              36
## 5822 100      1          0          B             127
## 5823  89      0          1          B              28
## 5824 129      0          0          B              27
## 5825 118      1          0          B               8
## 5826  98      1          0          B              32
## 5827 108      0          0          B              74
## 5828 112      0          0          B              73
## 5829 122      1          0          B              54
## 5830 133      1          0          B               7
## 5831 111      1          0          B              44
## 5832  95      1          0          B               8
## 5833 131      1          0          B              13
## 5834 120      1          0          B              39
## 5835 146      1          0          B              68
## 5836 104      1          0          B               7
## 5837 123      1          0          B              32
## 5838 127      0          0          B              64
## 5839  78      1          0          B              51
## 5840 108      1          0          B              31
## 5841 121      0          0          B              39
## 5842 114      1          0          B              46
## 5843 108      1          0          B              36
## 5844 135      0          0          B              34
## 5845  91      0          1          B              18
## 5846  90      0          0          B              37
## 5847 142      0          0          B              45
## 5848 119      0          0          B              40
## 5849  89      0          0          B              22
## 5850 120      1          0          B              19
## 5851 130      1          0          B              25
## 5852  92      1          1          B              50
## 5853 129      0          0          B              36
## 5854 101      1          0          B              22
## 5855 129      1          0          B              25
## 5856 102      1          0          B              31
## 5857 120      1          0          B               6
## 5858  95      1          0          B              73
## 5859 116      1          0          B              24
## 5860 134      1          0          B              84
## 5861 134      0          0          B              50
## 5862 115      0          0          B              29
## 5863  99      1          0          B             365
## 5864 121      1          0          B              70
## 5865 125      0          0          B             139
## 5866 105      0          0          B              56
## 5867  97      1          0          B              18
## 5868 101      0          0          B              32
## 5869 121      1          0          B              22
## 5870 133      0          0          B              13
## 5871 114      0          0          B              67
## 5872 144      0          0          B              26
## 5873 144      1          0          B              32
## 5874 122      0          0          B              37
```

```
## 5875  99    1    0    B     67
## 5876 108    0    0    B     65
## 5877 158    1    0    B     29
## 5878  85    1    0    B     24
## 5879 106    0    1    B     52
## 5880 152    0    0    B     80
## 5881  94    1    0    B     16
## 5882  97    1    0    B     33
## 5883  90    1    0    B     17
## 5884  90    0    0    B    103
## 5885 117    0    0    B    109
## 5886 152    0    0    B     93
## 5887 103    1    0    B     27
## 5888 126    1    0    B     51
## 5889  94    1    0    B     71
## 5890 106    0    0    B     25
## 5891  82    0    0    B     18
## 5892 117    0    0    B     42
## 5893 135    1    0    B     23
## 5894 106    0    0    B     49
## 5895  90    1    0    B      7
## 5896 118    0    1    B     40
## 5897  81    1    0    B     47
## 5898 108    1    0    B     33
## 5899 158    1    0    B     91
## 5900 113    0    0    B     38
## 5901  88    1    0    B     50
## 5902 136    1    0    B     71
## 5903 135    0    1    B     62
## 5904 109    0    0    B     62
## 5905 111    1    0    B     61
## 5906  96    0    0    B     13
## 5907  93    0    0    B     45
## 5908 110    0    0    B     29
## 5909 116    0    0    B    365
## 5910 152    0    0    B     49
## 5911 145    1    0    B     55
## 5912 132    1    0    B     30
## 5913 110    1    0    B     21
## 5914  97    1    0    B     32
## 5915  94    0    1    B    108
## 5916  92    1    0    B     36
## 5917 109    1    0    B     59
## 5918 118    1    0    B     26
## 5919 126    0    0    B     44
## 5920  94    1    0    B     41
## 5921 129    1    0    B     25
## 5922  79    0    0    B     54
## 5923  75    0    0    B     48
## 5924 121    0    0    B     26
## 5925 129    1    0    B      9
## 5926  96    0    0    B     15
## 5927 130    1    0    B      6
## 5928 111    0    0    B     29
```

```
## 5929 114       0       0       B         70
## 5930 131       1       0       B         47
## 5931 111       1       0       B         38
## 5932  89       1       0       B         61
## 5933 109       1       1       B         88
## 5934  98       1       0       B          5
## 5935  99       1       0       B         34
## 5936 107       0       0       B         51
## 5937 117       1       0       B         36
## 5938  95       0       0       B         81
## 5939 116       0       0       B         42
## 5940 144       1       0       B         46
## 5941 104       0       0       B         15
## 5942 122       1       0       B         36
## 5943  77       1       0       B         15
## 5944 120       1       0       B         19
## 5945 107       0       0       B         49
## 5946 127       1       0       B         48
## 5947 108       1       0       B        172
## 5948 129       1       0       B         10
## 5949  86       0       0       B         30
## 5950 131       0       0       B         32
## 5951 157       0       0       B         39
## 5952 115       0       0       B         75
## 5953 117       1       1       B         19
## 5954  99       1       0       B         48
## 5955  89       1       0       B         43
## 5956  91       1       1       B         27
## 5957 113       0       0       B         39
## 5958 110       1       0       B         48
## 5959 123       1       0       B         29
## 5960 127       1       0       B        192
## 5961 132       0       0       B         68
## 5962  92       1       0       B          7
## 5963 132       0       0       B         42
## 5964 106       1       1       B         72
## 5965 109       1       0       B         46
## 5966  92       0       0       B         63
## 5967 109       1       0       B         22
## 5968  91       0       0       B         14
## 5969  77       0       0       B         48
## 5970  92       0       0       B         26
## 5971  94       0       0       B         19
## 5972 107       1       0       B         21
## 5973  86       1       0       B         15
## 5974 118       1       0       B         45
## 5975  90       1       1       B         70
## 5976  78       1       0       B         12
## 5977 131       0       0       B         58
## 5978  89       1       0       B         33
## 5979 108       0       0       B         17
## 5980 140       1       0       B         23
## 5981 118       0       0       B          8
## 5982  77       1       0       B         18
```

```
## 5983  91      0      0      B        43
## 5984  86      0      0      B        34
## 5985 125      1      1      B        45
## 5986 127      0      0      B        61
## 5987  75      1      0      B        45
## 5988  72      1      0      B        43
## 5989 118      1      0      B        12
## 5990 136      1      0      B        27
## 5991 110      1      1      B        54
## 5992  78      0      0      B        75
## 5993 106      0      0      B        28
## 5994 119      1      1      B        47
## 5995  79      1      0      B        18
## 5996 126      0      0      B        39
## 5997 130      0      0      B        92
## 5998 114      1      0      B        39
## 5999 108      1      0      B        58
## 6000 153      0      0      B        35
## 6001 101      1      0      B        71
## 6002 118      0      0      B        60
## 6003 120      1      0      B        47
## 6004 149      0      0      B        36
## 6005 128      1      0      B        35
## 6006 113      1      0      B        40
## 6007 111      1      0      B        17
## 6008  86      1      0      B        37
## 6009 115      0      0      B        26
## 6010 115      1      0      B       100
## 6011 116      0      0      B        96
## 6012 113      1      0      B        20
## 6013 123      1      0      B        44
## 6014 112      1      0      B        41
## 6015 130      1      0      B        37
## 6016 101      0      0      B        31
## 6017 114      0      0      B        54
## 6018 149      1      0      B        16
## 6019 145      1      0      B         6
## 6020 120      1      1      B        18
## 6021 103      0      0      B        24
## 6022 124      1      1      B        24
## 6023  85      0      0      B        47
## 6024 102      0      0      B        10
## 6025  98      0      0      B        48
## 6026 104      1      0      B        58
## 6027 138      1      0      B         8
## 6028 108      1      0      B        35
## 6029 114      1      0      B        84
## 6030  90      0      1      B        92
## 6031 133      1      0      B        54
## 6032 103      1      0      B        11
## 6033  95      1      0      B        38
## 6034 117      0      0      B        23
## 6035 124      0      0      B        23
## 6036 103      0      0      B        32
```

```
## 6037 115       0        0       B        365
## 6038 107       0        1       B         13
## 6039 106       0        0       B         91
## 6040 140       1        0       B         19
## 6041  93       1        0       B         70
## 6042 124       1        0       B         25
## 6043  73       1        0       B         31
## 6044 119       0        0       B         27
## 6045 113       0        0       B         59
## 6046 101       1        0       B         91
## 6047 107       0        0       B         55
## 6048 121       1        0       B         62
## 6049 123       0        0       B          7
## 6050  92       0        0       B         10
## 6051 112       1        0       B         11
## 6052 122       1        0       B         14
## 6053  92       1        0       B         51
## 6054  97       1        1       B         41
## 6055 124       1        1       B         22
## 6056 100       0        1       B         39
## 6057 149       0        0       B         61
## 6058 128       1        0       B         37
## 6059 119       0        0       B        194
## 6060  90       1        0       B         83
## 6061 102       1        0       B         48
## 6062 105       1        0       B          7
## 6063 102       1        0       B         52
## 6064  85       0        0       B         69
## 6065 115       1        0       B         59
## 6066 126       1        1       B         69
## 6067 126       0        0       B          7
## 6068  75       0        0       B        122
## 6069  92       1        0       B         38
## 6070 133       1        0       B         43
## 6071 155       1        0       B         25
## 6072 114       1        0       B         27
## 6073 102       1        0       B         56
## 6074 111       1        1       B         32
## 6075 119       0        0       B         20
## 6076 137       1        0       B          8
## 6077 121       0        0       B         47
## 6078  95       0        0       B         24
## 6079 116       1        0       B         36
## 6080 122       0        0       B        189
## 6081 126       0        0       B         71
## 6082  87       0        0       B         18
## 6083 118       0        0       B         16
## 6084 133       1        0       B         37
## 6085  96       0        0       B         83
## 6086  72       0        0       B         20
## 6087 142       0        0       B         98
## 6088  98       1        0       B         64
## 6089 114       1        0       B         43
## 6090 112       0        0       B         40
```

```
## 6091 119        1          0          B           9
## 6092  75        1          0          B          30
## 6093 115        1          1          B          19
## 6094 108        1          0          B          61
## 6095 127        0          0          B          31
## 6096 117        0          0          B          33
## 6097 131        0          0          B          21
## 6098 103        0          0          B           5
## 6099 137        1          0          B          67
## 6100 124        0          0          B          12
## 6101 107        0          0          B          42
## 6102 103        1          0          B          57
## 6103 106        1          1          B          73
## 6104  81        1          0          B          16
## 6105  99        0          0          B          21
## 6106 153        1          0          B          39
## 6107 116        0          0          B          38
## 6108  67        0          1          B          82
## 6109  97        1          0          B          27
## 6110  95        0          0          B          46
## 6111 135        0          1          B          52
## 6112 132        0          0          B          68
## 6113 118        0          0          B          63
## 6114  77        1          0          B          14
## 6115 117        1          0          B          45
## 6116 126        0          0          B          51
## 6117 113        1          0          B          35
## 6118 106        1          0          B          43
## 6119 124        1          0          B          28
## 6120 122        1          1          B          51
## 6121 102        0          0          B          32
## 6122 127        0          0          B          16
## 6123 106        0          0          B          26
## 6124 114        0          0          B          35
## 6125  92        0          0          B          37
## 6126  83        0          0          B          48
## 6127 117        1          1          B          44
## 6128 131        0          0          B          14
## 6129  84        1          0          B          64
## 6130 121        1          0          B          20
## 6131 105        0          0          B         120
## 6132  99        1          0          B           6
## 6133 109        1          0          B          17
## 6134  74        0          0          B          42
## 6135  97        0          0          B          41
## 6136 129        1          0          B          66
## 6137 101        1          0          B          46
## 6138 113        0          0          B          32
## 6139 110        0          0          B          40
## 6140  85        1          0          B          76
## 6141 117        1          0          B          31
## 6142  91        0          0          B          11
## 6143  95        1          0          B          64
## 6144  97        1          0          B         104
```

```
## 6145  79    0    1    B     43
## 6146 126    0    0    B     36
## 6147  94    1    0    B     60
## 6148  95    1    0    B     18
## 6149  81    1    0    B     12
## 6150  92    1    0    B     54
## 6151  97    1    0    B     17
## 6152 104    1    0    B     26
## 6153 100    1    0    B     24
## 6154 137    1    0    B     15
## 6155 108    0    0    B     44
## 6156  98    1    0    B     24
## 6157  91    1    0    B     59
## 6158 118    1    0    B      6
## 6159 100    1    0    B     17
## 6160 145    0    0    B     84
## 6161 141    1    0    B     17
## 6162 127    1    0    B     61
## 6163 117    0    0    B     83
## 6164 111    1    0    B     11
## 6165 109    1    0    B     50
## 6166 100    1    0    B     21
## 6167 122    1    0    B     20
## 6168 105    1    0    B     19
## 6169 126    1    0    B     31
## 6170  68    1    0    B      3
## 6171  71    1    0    B     22
## 6172  75    0    0    B     81
## 6173  85    0    0    B     53
## 6174 129    1    0    B      5
## 6175 125    0    0    B     33
## 6176 103    0    0    B     43
## 6177 111    0    0    B     32
## 6178 146    0    0    B     34
## 6179 127    0    0    B     14
## 6180 149    0    0    B     75
## 6181 131    1    1    B     33
## 6182  89    0    1    B    107
## 6183 123    1    0    B     30
## 6184 104    1    0    B      3
## 6185 136    0    0    B    125
## 6186  90    1    0    B    101
## 6187 101    0    0    B     38
## 6188  94    0    1    B     88
## 6189 106    0    0    B     62
## 6190 126    0    1    B     57
## 6191 131    1    0    B     17
## 6192 113    1    0    B     73
## 6193 132    0    1    B     40
## 6194 136    1    0    B     16
## 6195 114    1    0    B     37
## 6196  84    1    0    B     30
## 6197 104    0    1    B     24
## 6198 102    0    0    B     45
```

```
## 6199 131          0          1          B                32
## 6200  97          1          1          B                45
## 6201 124          1          0          B                21
## 6202  88          0          0          B                30
## 6203 136          0          0          B                63
## 6204 104          1          0          B                50
## 6205 118          1          0          B                14
## 6206 103          1          0          B                37
## 6207  90          0          0          B                13
## 6208 107          1          0          B                 9
## 6209 145          1          0          B                54
## 6210  91          1          1          B                42
## 6211  87          0          0          B                48
## 6212 112          1          0          B                28
## 6213 121          1          0          B                37
## 6214  33          1          1          B                37
## 6215 134          1          0          B                39
## 6216 111          1          0          B                 3
## 6217 122          1          0          B                92
## 6218  93          1          0          B                11
## 6219 111          1          0          B                52
## 6220  85          0          0          B                41
## 6221 103          1          1          B               132
## 6222 100          1          0          B                17
## 6223 101          0          1          B                63
## 6224 120          0          0          B                26
## 6225 132          1          0          B                24
## 6226 103          0          0          B                39
## 6227 126          1          0          B                42
## 6228 126          1          0          B                11
## 6229  75          1          1          B                43
## 6230 170          0          0          B                66
## 6231  93          1          0          B                62
## 6232 107          1          1          B                47
## 6233 121          0          0          B                34
## 6234 102          1          0          B                61
## 6235 119          1          0          B                 7
## 6236 102          0          0          B                80
## 6237 108          1          0          B                64
## 6238 126          1          0          B                14
## 6239 102          1          0          B                71
## 6240  88          1          0          B                49
## 6241 115          1          0          B                31
## 6242 111          1          1          B                66
## 6243  99          1          0          B                48
## 6244  74          1          0          B                13
## 6245 134          1          0          B                 6
## 6246 119          0          0          B                46
## 6247 111          1          1          B                91
## 6248  92          0          0          B                25
## 6249  88          0          0          B                21
##  [ reached 'max' / getOption("max.print") -- omitted 3751 rows ]
```

```r
# dat1 draw a random sample of 2000 participants Uni:3307
set.seed(3307)

dat1 = dat[sample(1:10000, 2000),]

dat1 =
  dat1[, -1] %>%
  mutate(
    gender = as.factor(gender),
    race = as.factor(race),
    smoking = as.factor(smoking),
    hypertension = as.factor(hypertension),
    diabetes = as.factor(diabetes),
    vaccine = as.factor(vaccine),
    severity = as.factor(severity),
    study = as.factor(
      case_when(study == "A" ~ 1, study == "B" ~ 2, study == "C" ~ 3)
      )
    )

# dat2 draw a random sample of 2000 participants Uni:2493
set.seed(2493)

dat2 = dat[sample(1:10000, 2000),]

dat2 =
  dat2[, -1] %>%
  mutate(
    gender = as.factor(gender),
    race = as.factor(race),
    smoking = as.factor(smoking),
    hypertension = as.factor(hypertension),
    diabetes = as.factor(diabetes),
    vaccine = as.factor(vaccine),
    severity = as.factor(severity),
    study = as.factor(
      case_when(study == "A" ~ 1, study == "B" ~ 2, study == "C" ~ 3)
      )
    )

# Merged dataset with unique observation
covid_dat = rbind(dat1, dat2) %>%
  unique()

covid_dat2 = model.matrix(recovery_time ~ ., covid_dat)[, -1]

# Partition dataset into two parts: training data (70%) and test data (30%)
rowTrain = createDataPartition(y = covid_dat$recovery_time, p = 0.7, list = FALSE)

trainData = covid_dat[rowTrain, ]
testData = covid_dat[-rowTrain, ]

# matrix of predictors
```

```
x1 = covid_dat2[rowTrain,]
# vector of response
y1 = covid_dat$recovery_time[rowTrain]
# matrix of predictors
x2 = covid_dat2[-rowTrain,]
# vector of response
y2 = covid_dat$recovery_time[-rowTrain]

ctrl1 = trainControl(method = "repeatedcv", number = 10, repeats = 5)
```

Data visualization