Projekt Speed Dating

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Uvod

U ovom projektnom zadatku, naziva Speed Dating, analizirat ćemo skup podataka prikupljen između 2002. i 2004. godine u sklopu kolegija Statistička analiza podataka na Fakultetu elektrotehnike i računarstva. Dostupni su dva skupa podataka, a analizirat ćemo ih pomoću deskriptivne statistike i inferencijalne analize kako bismo dobili dublji uvid u ponašanje sudionika i međuodnose varijabli.

Ciljevi ovog projekta su upoznavanje s dostupnim podacima o sudionicima i spojevima te izvlačenje relevantnih informacija pomoću deskriptivne statistike i inferencijalne analize. Paralelno s analizom, planiramo unaprijediti svoje razumijevanje osnovnih metodologija statističke analize podataka i praktičnu primjenu programskog jezika R što ćemo primijeniti na sljedećim hipotezama na temelju kojih ćemo izvući zaključke:

1. Je li inteligencija partnera ispitanicima važnija od izgleda?
2. Postoji li razlika u interesu za gaming prema zanimanju sudionika?
3. Možemo li temeljem drugih varijabli predvidjeti hoće li se sudioniku svidjeti partner?

Počet ćemo s analizom deskriptivne statistike kako bismo stekli osnovni uvid u varijable poput starosti, spola, zanimanja i ocjena partnera. Nakon toga, primijenit ćemo inferencijalnu analizu kako bismo istražili postavljene hipoteze, uključujući pitanja o važnosti inteligencije partnera u odnosu na izgled te razlike u interesu za gaming prema zanimanju sudionika.

Ovaj projekt ima značajnost iz perspektive studenata, poput nas samih, jer nam pruža priliku primijeniti stečeno znanje o statističkoj analizi podataka u stvarnom svijetu. Uvid u ovakav skup podataka može pomoći studentima u donošenju informiranih odluka u svakodnevnom životu, bilo da se radi o razumijevanju međuljudskih odnosa ili donošenju odluka temeljenih na vlastitim preferencijama.

Učitavanje i prikaz podataka

```
participants = read.csv("participant_data.csv")
dates = read.csv("speed_date_data.csv")
head(participants)
```

```
##       id wave age                                 race gender
## 1 10000    1  21 Asian/Pacific Islander/Asian-American female
## 2 10001    1  24          European/Caucasian-American female
## 3 10002    1  25          European/Caucasian-American female
## 4 10003    1  23          European/Caucasian-American female
## 5 10004    1  21          European/Caucasian-American female
## 6 10005    1  23 Asian/Pacific Islander/Asian-American female
##   ambition_important attractive_important funny_important
## 1                 15                   15              15
## 2                  0                   45              20
## 3                 10                   35              10
## 4                 10                   20              20
## 5                 10                   20              25
```

```
## 6                      5                        10                   25
##   intelligence_important shared_interests_important sincere_important     field
## 1                     20                         15                20       Law
## 2                     25                          5                 5       law
## 3                     35                          0                10 Economics
## 4                     20                         10                20       Law
## 5                     25                         15                 5       Law
## 6                     20                         15                25       law
##   importance_same_race importance_same_religion sports tvsports exercise dining
## 1                    2                        4      9        2        8      9
## 2                    2                        5      3        2        7     10
## 3                    8                        4      3        8        7      8
## 4                    1                        1      1        1        6      7
## 5                    8                        1      7        4        7      7
## 6                    1                        1     10        8        9      7
##   museums art hiking gaming clubbing reading tv theater movies concerts music
## 1       1   1      5      1        5       6  9       1     10       10     9
## 2       8   6      3      5        8      10  1       9      8        7     8
## 3       5   5      8      4        5       7  8       7      7        7     5
## 4       6   7      7      5        7       7  7       9      7        8     7
## 5       6   8      6      6        8       6  8       6      6        3     7
## 6       8   7      9      2        6       9  2       5      6        6     4
##   shopping yoga expected_happy_with_sd_people expected_num_interested_in_me
## 1        8    1                             3                             2
## 2        3    1                             4                             5
## 3        8    7                             4                             2
## 4        1    8                             1                             2
## 5        8    3                             7                            10
## 6        1    1                             4                             3
##   expected_num_matches attractive sincere intelligence funny ambition  X
## 1                    4          6       8            8     8        7 NA
## 2                    3          7       5           10     8        3 NA
## 3                   NA          8       9            8     9        8 NA
## 4                    2          7       8            9     7        8 NA
## 5                   NA          6       3            6    10        8 NA
## 6                    4          5       7            8     9        5 NA
```

```
head(dates)
```

```
##   date_id participant_id partner_id attractive_o sincere_o intelligence_o
## 1  100000          10000      10010            6         8              8
## 2  100001          10000      10011            7         8             10
## 3  100002          10000      10012           10        10             10
## 4  100003          10000      10013            7         8              9
## 5  100004          10000      10014            8         7              9
## 6  100005          10000      10015            7         7              8
##   funny_o ambitious_o shared_interests_o attractive_partner sincere_partner
## 1       8           8                  6                  6               9
## 2       7           7                  5                  7               8
## 3      10          10                 10                  5               8
## 4       8           9                  8                  7               6
## 5       6           9                  7                  5               6
## 6       8           7                  7                  4               9
##   intelligence_partner funny_partner ambition_partner shared_interests_partner
## 1                    7             7                6                        5
```

```
## 2                        7                8                5                        6
## 3                        9                8                5                        7
## 4                        8                7                6                        8
## 5                        7                7                6                        6
## 6                        7                4                6                        4
##   like guess_prob_liked met decision
## 1    7                6   0        1
## 2    7                5   1        1
## 3    7               NA   1        1
## 4    7                6   0        1
## 5    6                6   0        1
## 6    6                5   0        0
```

Na temelju podataka vidimo da je set podataka za participante sadrži 40 stupaca dok za podatke o spojevima sadrži 19.

opis tablica i stupaca

```
# Osnovna deskriptivna statistika:
summary(participants)
```

```
##        id             wave            age             race
##  Min.   :10000   Min.   : 1.00   Min.   :18.00   Length:540
##  1st Qu.:10141   1st Qu.: 7.00   1st Qu.:24.00   Class :character
##  Median :10276   Median :11.00   Median :26.00   Mode  :character
##  Mean   :10276   Mean   :11.11   Mean   :26.37
##  3rd Qu.:10413   3rd Qu.:15.25   3rd Qu.:28.00
##  Max.   :10550   Max.   :21.00   Max.   :55.00
##
##     gender          ambition_important attractive_important funny_important
##  Length:540         Min.   : 0.00      Min.   :  0.00       Min.   : 0.00
##  Class :character   1st Qu.: 5.00      1st Qu.: 15.00       1st Qu.:15.00
##  Mode  :character   Median :10.00      Median : 20.00       Median :18.00
##                     Mean   :10.82      Mean   : 22.52       Mean   :17.46
##                     3rd Qu.:15.00      3rd Qu.: 25.00       3rd Qu.:20.00
##                     Max.   :53.00      Max.   :100.00       Max.   :50.00
##
##  intelligence_important shared_interests_important sincere_important
##  Min.   : 0.00          Min.   : 0.000             Min.   : 0.00
##  1st Qu.:17.29          1st Qu.: 8.248             1st Qu.:15.00
##  Median :20.00          Median :10.935             Median :18.00
##  Mean   :20.17          Mean   :11.826             Mean   :17.31
##  3rd Qu.:23.02          3rd Qu.:16.000             3rd Qu.:20.00
##  Max.   :50.00          Max.   :30.000             Max.   :60.00
##
##     field           importance_same_race importance_same_religion
##  Length:540         Length:540           Min.   : 1.000
##  Class :character   Class :character     1st Qu.: 1.000
##  Mode  :character   Mode  :character     Median : 3.000
##                                          Mean   : 3.593
##                                          3rd Qu.: 6.000
##                                          Max.   :10.000
##
##      sports          tvsports         exercise          dining
##  Min.   : 1.000   Min.   : 1.00   Min.   : 1.000   Min.   : 1.000
##  1st Qu.: 4.000   1st Qu.: 2.00   1st Qu.: 5.000   1st Qu.: 7.000
```

3

```
## Median : 7.000   Median : 4.00   Median : 7.000   Median : 8.000
## Mean   : 6.409   Mean   : 4.55   Mean   : 6.278   Mean   : 7.778
## 3rd Qu.: 9.000   3rd Qu.: 7.00   3rd Qu.: 8.000   3rd Qu.: 9.000
## Max.   :10.000   Max.   :10.00   Max.   :10.000   Max.   :10.000
##
##     museums           art             hiking          gaming
## Min.   : 0.000   Min.   : 0.000   Min.   : 0.000   Min.   : 0.000
## 1st Qu.: 6.000   1st Qu.: 5.000   1st Qu.: 4.000   1st Qu.: 1.000
## Median : 7.000   Median : 7.000   Median : 6.000   Median : 3.000
## Mean   : 6.981   Mean   : 6.711   Mean   : 5.759   Mean   : 3.874
## 3rd Qu.: 8.000   3rd Qu.: 8.000   3rd Qu.: 8.000   3rd Qu.: 6.000
## Max.   :10.000   Max.   :10.000   Max.   :10.000   Max.   :14.000
##
##    clubbing          reading            tv             theater
## Min.   : 0.000   Min.   : 1.000   Min.   : 1.00   Min.   : 0.000
## 1st Qu.: 4.000   1st Qu.: 7.000   1st Qu.: 3.00   1st Qu.: 5.000
## Median : 6.000   Median : 8.000   Median : 6.00   Median : 7.000
## Mean   : 5.717   Mean   : 7.631   Mean   : 5.37   Mean   : 6.752
## 3rd Qu.: 8.000   3rd Qu.: 9.000   3rd Qu.: 7.00   3rd Qu.: 9.000
## Max.   :10.000   Max.   :13.000   Max.   :10.00   Max.   :10.000
##
##     movies           concerts          music          shopping
## Min.   : 0.000   Min.   : 0.000   Min.   : 1.00   Min.   : 1.000
## 1st Qu.: 7.000   1st Qu.: 6.000   1st Qu.: 7.00   1st Qu.: 4.000
## Median : 8.000   Median : 7.000   Median : 8.00   Median : 6.000
## Mean   : 7.906   Mean   : 6.865   Mean   : 7.88   Mean   : 5.656
## 3rd Qu.: 9.000   3rd Qu.: 8.000   3rd Qu.: 9.00   3rd Qu.: 8.000
## Max.   :10.000   Max.   :10.000   Max.   :10.00   Max.   :10.000
##
##      yoga       expected_happy_with_sd_people expected_num_interested_in_me
## Min.   : 0.000   Min.   : 1.000                Min.   : 0.000
## 1st Qu.: 2.000   1st Qu.: 5.000                1st Qu.: 2.000
## Median : 4.000   Median : 6.000                Median : 4.000
## Mean   : 4.433   Mean   : 5.491                Mean   : 5.869
## 3rd Qu.: 7.000   3rd Qu.: 7.000                3rd Qu.: 8.750
## Max.   :10.000   Max.   :10.000                Max.   :20.000
##                                                NA's   :410
## expected_num_matches   attractive        sincere         intelligence
## Min.   : 0.000       Min.   : 1.000   Min.   : 2.000   Min.   : 2.000
## 1st Qu.: 2.000       1st Qu.: 6.000   1st Qu.: 8.000   1st Qu.: 7.000
## Median : 3.000       Median : 7.000   Median : 8.000   Median : 8.000
## Mean   : 3.043       Mean   : 7.052   Mean   : 8.275   Mean   : 7.714
## 3rd Qu.: 4.000       3rd Qu.: 8.000   3rd Qu.: 9.000   3rd Qu.: 9.000
## Max.   :18.000       Max.   :10.000   Max.   :10.000   Max.   :10.000
## NA's   :73           NA's   :5        NA's   :2        NA's   :2
##     funny           ambition           X
## Min.   : 3.000   Min.   : 2.000   Min.   :4.000
## 1st Qu.: 8.000   1st Qu.: 7.000   1st Qu.:7.000
## Median : 8.000   Median : 8.000   Median :8.000
## Mean   : 8.387   Mean   : 7.589   Mean   :7.571
## 3rd Qu.: 9.000   3rd Qu.: 9.000   3rd Qu.:9.000
## Max.   :10.000   Max.   :10.000   Max.   :9.000
## NA's   :2        NA's   :2        NA's   :533
```

```
summary(dates)
```

```
##      date_id       participant_id    partner_id      attractive_o
##  Min.   :100000   Min.   :10000   Min.   :10000   Min.   : 0.000
##  1st Qu.:102149   1st Qu.:10155   1st Qu.:10155   1st Qu.: 5.000
##  Median :104170   Median :10278   Median :10278   Median : 6.000
##  Mean   :104187   Mean   :10282   Mean   :10282   Mean   : 6.194
##  3rd Qu.:106268   3rd Qu.:10405   3rd Qu.:10405   3rd Qu.: 8.000
##  Max.   :108377   Max.   :10550   Max.   :10550   Max.   :10.500
##                                                   NA's   :176
##     sincere_o       intelligence_o     funny_o        ambitious_o
##  Min.   : 0.000   Min.   : 0.000   Min.   : 0.000   Min.   : 0.00
##  1st Qu.: 6.000   1st Qu.: 6.000   1st Qu.: 5.000   1st Qu.: 6.00
##  Median : 7.000   Median : 7.000   Median : 7.000   Median : 7.00
##  Mean   : 7.185   Mean   : 7.381   Mean   : 6.409   Mean   : 6.79
##  3rd Qu.: 8.000   3rd Qu.: 8.000   3rd Qu.: 8.000   3rd Qu.: 8.00
##  Max.   :10.000   Max.   :10.000   Max.   :11.000   Max.   :10.00
##  NA's   :247      NA's   :268      NA's   :321      NA's   :678
##  shared_interests_o attractive_partner sincere_partner  intelligence_partner
##  Min.   : 0.000     Min.   : 0.000     Min.   : 0.000   Min.   : 0.000
##  1st Qu.: 4.000     1st Qu.: 5.000     1st Qu.: 6.000   1st Qu.: 6.000
##  Median : 6.000     Median : 6.000     Median : 7.000   Median : 7.000
##  Mean   : 5.489     Mean   : 6.194     Mean   : 7.185   Mean   : 7.381
##  3rd Qu.: 7.000     3rd Qu.: 8.000     3rd Qu.: 8.000   3rd Qu.: 8.000
##  Max.   :10.000     Max.   :10.000     Max.   :10.000   Max.   :10.000
##  NA's   :1029       NA's   :176        NA's   :247      NA's   :268
##  funny_partner    ambition_partner shared_interests_partner      like
##  Min.   : 0.000   Min.   : 0.00    Min.   : 0.000           Min.   : 0.000
##  1st Qu.: 5.000   1st Qu.: 6.00    1st Qu.: 4.000           1st Qu.: 5.000
##  Median : 7.000   Median : 7.00    Median : 6.000           Median : 6.000
##  Mean   : 6.409   Mean   : 6.79    Mean   : 5.489           Mean   : 6.142
##  3rd Qu.: 8.000   3rd Qu.: 8.00    3rd Qu.: 7.000           3rd Qu.: 7.000
##  Max.   :10.000   Max.   :10.00    Max.   :10.000           Max.   :10.000
##  NA's   :321      NA's   :678      NA's   :1029             NA's   :213
##  guess_prob_liked      met             decision
##  Min.   : 0.000   Min.   :0.0000   Min.   :0.0000
##  1st Qu.: 4.000   1st Qu.:0.0000   1st Qu.:0.0000
##  Median : 5.000   Median :0.0000   Median :0.0000
##  Mean   : 5.216   Mean   :0.0501   Mean   :0.4221
##  3rd Qu.: 7.000   3rd Qu.:0.0000   3rd Qu.:1.0000
##  Max.   :10.000   Max.   :8.0000   Max.   :1.0000
##  NA's   :278      NA's   :343
```

Na temelju predefiniranih hipoteza možemo zaključiti da svi stupci u podatcima nisu jednako relevantni. U slučaju analize je li inteligencija partnera važnija od fizičkog izgleda od najveće su važnosti podaci vezani uz inteligenciju i fizički izgled. Analogno za analizu povezanosti gaminga i zanimanja participanta najvažniji su podaci vezani uz gaming i samo područje zanimanja participanta.

Promotrimo relevantne varijable koje ćemo kasnije koristiti u istraživačkim pitanjima. U vezi prvog pitanja bitni su nam inteligencija i fizički izgled partnera.

Je li inteligencija partnera ispitanicima važnija od izgleda?

Za ovo pitanje su nam bitni podaci o važnosti izgleda, odnosno važnosti inteligencije kod ispitanika. Te podatke pronalazimo u participants pod varijablama naziva attractive_important tj. intelligence_important. Prvo

ćemo predstaviti mjere centralne tendencije za navedene podatke te ćemo ih vizualizirati. Osim toga, podatke ćemo gledati za cijeli skup podataka, ali također ćemo podijeliti cijeli skup na dva dijela, muškarce i žene te ćemo ovom pitanju pristupiti iz više kuteva: je li inteligencija partnera ispitanicima važnija od izgleda, je li inteligencija partnera muškarcima važnija od izgleda u ovom skupu podataka te je li inteligencija partnera ženama važnija od izgleda u ovom skupu podataka.

Podatke ćemo prvo očistiti, vizualizirati te ćemo nastaviti sa potrebnim testovima. Naposljetku, ćemo rezultate analizirati, usporediti te donijeti zaključke.

Prvo ćemo izvaditi sve null vrijednosti iz podataka.

```r
sum(is.na(participants$intelligence_important)) # ukupno nepostojecih vrijednosti za podatak inteligenc
```

```
## [1] 0
```

```r
sum(is.na(participants$attractive_important))
```

```
## [1] 0
```

```r
df_cleaned_first <- participants[, c("intelligence_important", "attractive_important")] # potrebni poda
df_cleaned_first_male <- participants[participants$gender == "male", c("intelligence_important", "attra
df_cleaned_first_female <- participants[participants$gender == "female", c("intelligence_important", "a
summary(df_cleaned_first)
```

```
##  intelligence_important attractive_important
##  Min.   : 0.00          Min.   :  0.00
##  1st Qu.:17.29          1st Qu.: 15.00
##  Median :20.00          Median : 20.00
##  Mean   :20.17          Mean   : 22.52
##  3rd Qu.:23.02          3rd Qu.: 25.00
##  Max.   :50.00          Max.   :100.00
```

```r
summary(df_cleaned_first_male)
```

```
##  intelligence_important attractive_important
##  Min.   : 0.00          Min.   :  6.67
##  1st Qu.:16.00          1st Qu.: 19.57
##  Median :20.00          Median : 23.00
##  Mean   :19.42          Mean   : 27.01
##  3rd Qu.:22.22          3rd Qu.: 30.00
##  Max.   :42.86          Max.   :100.00
```

```r
summary(df_cleaned_first_female)
```

```
##  intelligence_important attractive_important
##  Min.   : 2.00          Min.   :  0.00
##  1st Qu.:17.93          1st Qu.:12.12
##  Median :20.00          Median :15.09
##  Mean   :20.94          Mean   :17.93
##  3rd Qu.:25.00          3rd Qu.:20.00
##  Max.   :50.00          Max.   :90.00
```

```r
sum(participants$gender == "male")
```

```
## [1] 273
```

```r
sum(participants$gender == "female")
```

```
## [1] 267
```

Na temelju ispisa ovih podataka možemo vidjeti da su medijani za vrijednosti važnosti inteligencije i izgleda isti kada se gleda skup svih sudionika. Aritmetička sredina vrijednosti kod svih sudionika je veća za važnost izgleda nego za inteligenciju, redom, 22.52 i 20.17. Cijeli skup podataka podijelili smo u dva disjunktna podskupa, skup muškaraca veličine je 273, a žena 263. U podskupu muškaraca primjetna je veća razlika u vrijednostima medijana i aritmetičke sredine u korist važnosti izgleda za razliku od važnosti inteligencije. U podskupu žena je situacija suprotna, vrijednosti medijana i aritmetičke sredine ocjena veće su u korist važnosti inteligencije za razliku od važnosti izgleda. Ove podatke ćemo vizalizirati, a nakon toga i testirati jesu li razlike statistički značajne.

Prvo ćemo vizualizirati pomoću box-plota značajnost inteligencije i izgleda na tri načina, za sve sudionike, muškarce pa žene.

```
boxplot(cbind(df_cleaned_first$intelligence_important, df_cleaned_first$attractive_important),
        names = c("Inteligencija", "Izgled"),
        main = 'Značajnost inteligencije i izgleda kod svih sudionika - box-plot',
        ylab = 'Ocjena',
        col = c("green", "lightgreen"))
```

Znacajnost inteligencije i izgleda kod svih sudionika – box–plot
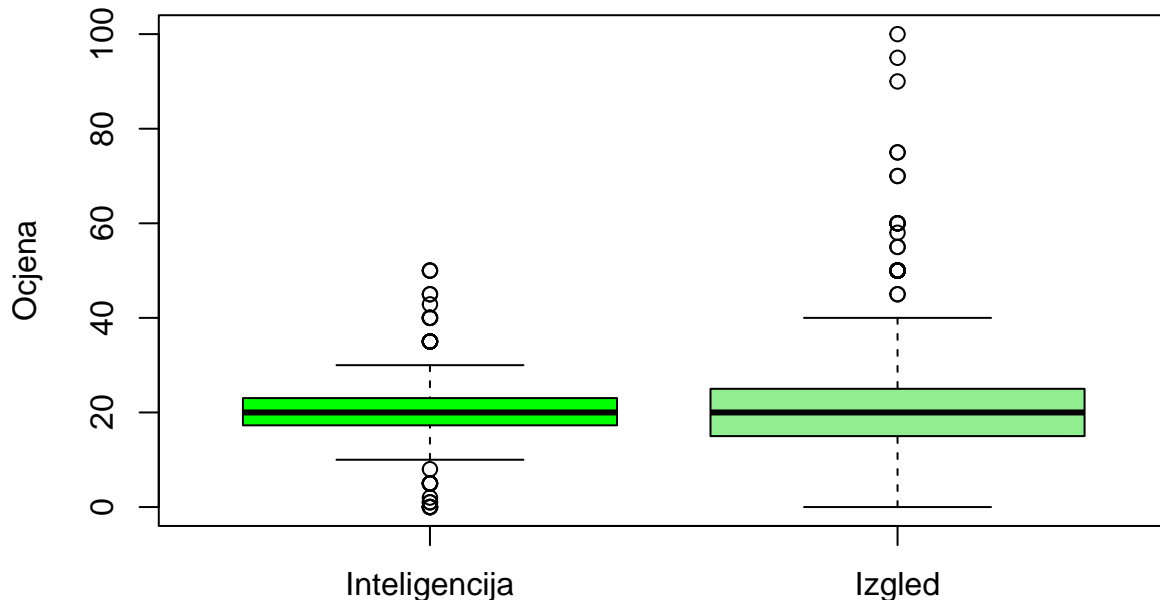

```
boxplot(cbind(df_cleaned_first_male$intelligence_important, df_cleaned_first_male$attractive_important)
        names = c("Inteligencija", "Izgled"),
        main = 'Značajnost inteligencije i izgleda kod muškaraca - box-plot',
        ylab = 'Ocjena',
        col = c("blue", "lightblue"))
```

Znacajnost inteligencije i izgleda kod muskaraca – box–plot
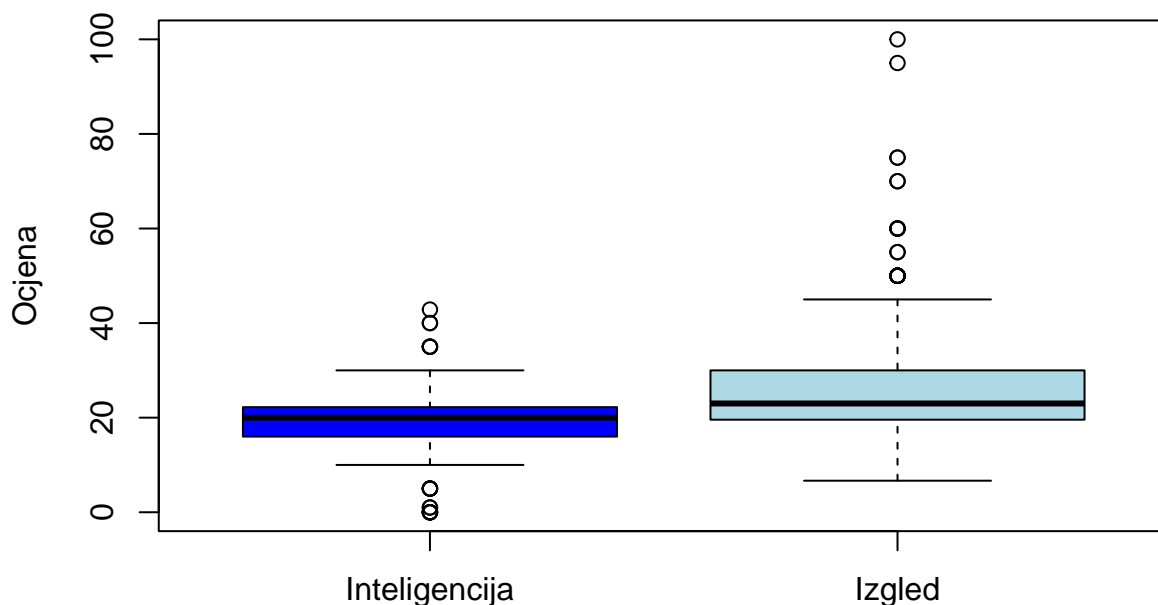

```
boxplot(cbind(df_cleaned_first_female$intelligence_important, df_cleaned_first_female$attractive_importa
        names = c("Inteligencija", "Izgled"),
        main = 'Značajnost inteligencije i izgleda kod žena - box-plot',
        ylab = 'Ocjena',
        col = c("pink", "lightpink"))
```

Znacajnost inteligencije i izgleda kod zena – box–plot
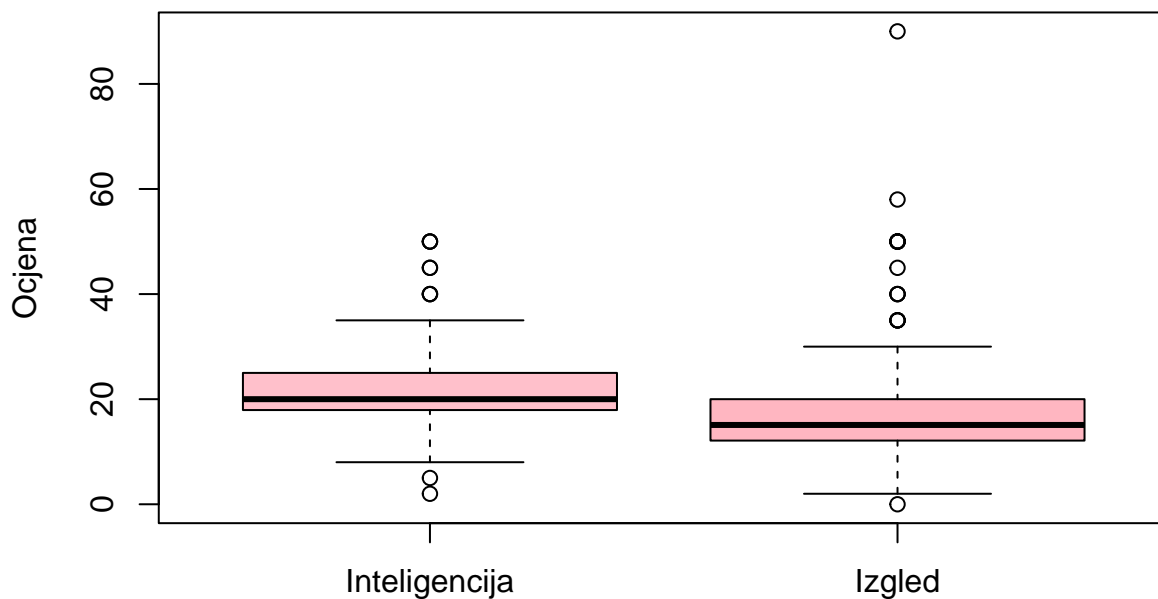
Na predočenim dijagramima vidljive su prije spomenute razlike kod muškaraca i žena te jednakost medijana kod svih sudionika. Sljedeći dijagrami prikazuju svaki od varijabli za sve tri spomenute kategorije od jedanput. Prvo za značajnost inteligencije, zatim za izgled.

```r
# za postavljanje 3 box plota jedan kraj drugoga
par(mfrow = c(1, 3))

boxplot(df_cleaned_first$intelligence_important,
        main = 'Značajnost inteligencije - Svi',
        ylab = 'Ocjena',
        col = "green")

boxplot(df_cleaned_first_male$intelligence_important,
        main = 'Značajnost inteligencije - Muškarci',
        ylab = 'Ocjena',
        col = "blue")

boxplot(df_cleaned_first_female$intelligence_important,
        main = 'Značajnost inteligencije - Žene',
        ylab = 'Ocjena',
        col = "pink")
```
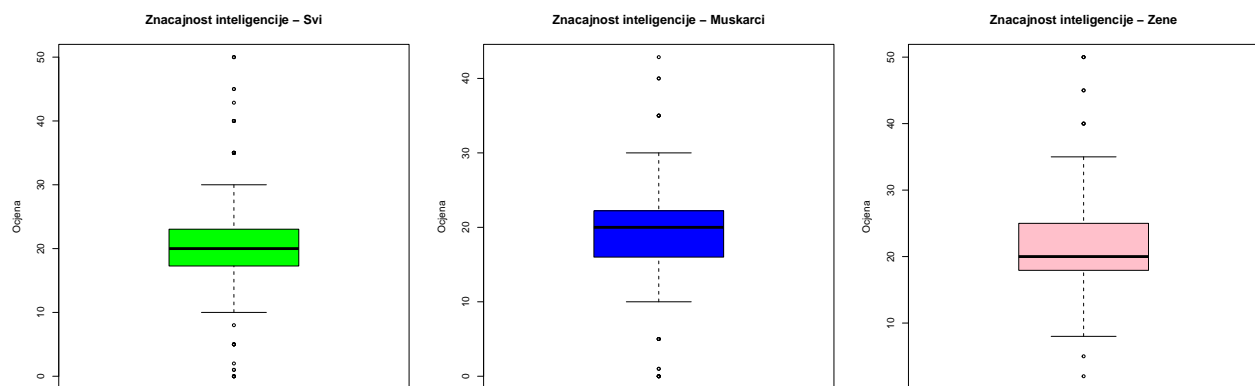


```r
#završena prva tri box plota
par(mfrow = c(1, 1))

# postavljanje nova tri
par(mfrow = c(1, 3))

boxplot(df_cleaned_first$attractive_important,
        main = 'Značajnost izgleda - Svi',
        ylab = 'Ocjena',
        col = "lightgreen")

boxplot(df_cleaned_first_male$attractive_important,
        main = 'Značajnost izgleda - Muškarci',
        ylab = 'Ocjena',
        col = "lightblue")

boxplot(df_cleaned_first_female$attractive_important,
        main = 'Značajnost izgleda - Žene',
        ylab = 'Ocjena',
        col = "lightpink")
```
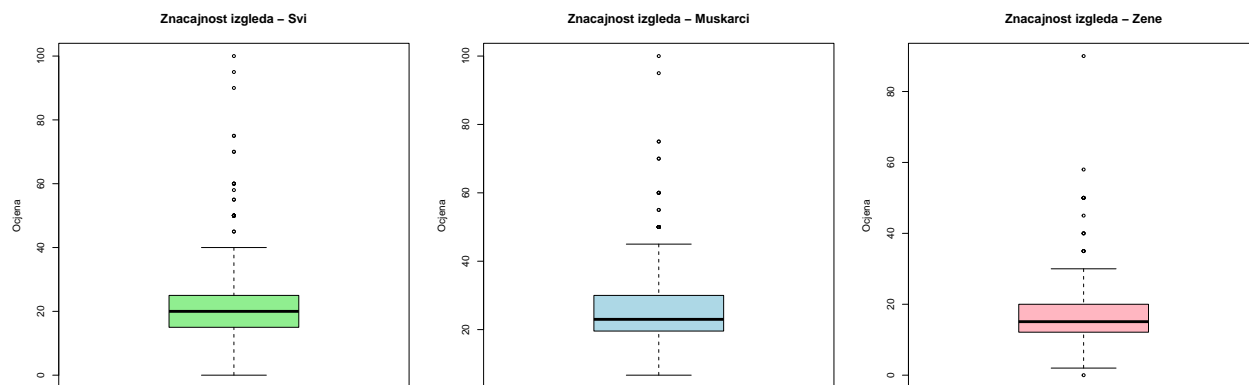
```
par(mfrow = c(1, 1))
```

Slična promatranja koja su i prije spomenuta mogu se izlučiti i iz ovih prikaza. Sada ćemo te podataka prikazati i uz pomoć histograma. Prvo za inteligenciju zatim za izgled.

```
hist(df_cleaned_first$intelligence_important, main='Značajnost inteligenciju kod partnera', xlab='Intell
```

Znacajnost inteligenciju kod partnera
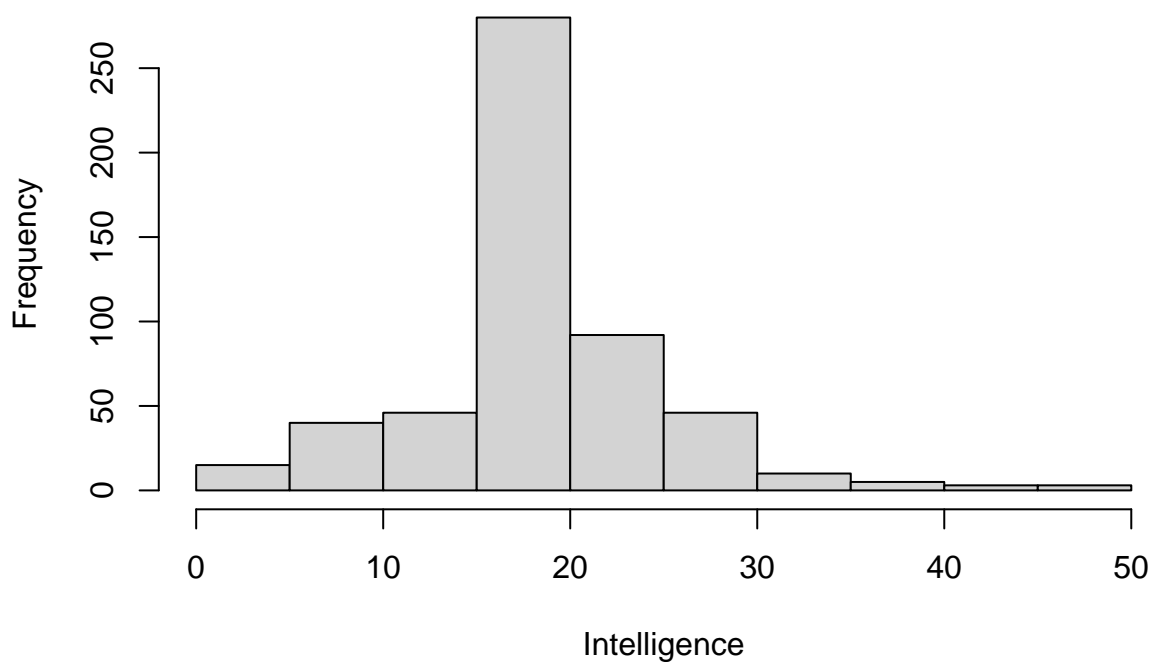

```
hist(df_cleaned_first_male$intelligence_important, main='Značajnost inteligenciju kod partnera – Muškar
```

Znacajnost inteligenciju kod partnera – Muskarci
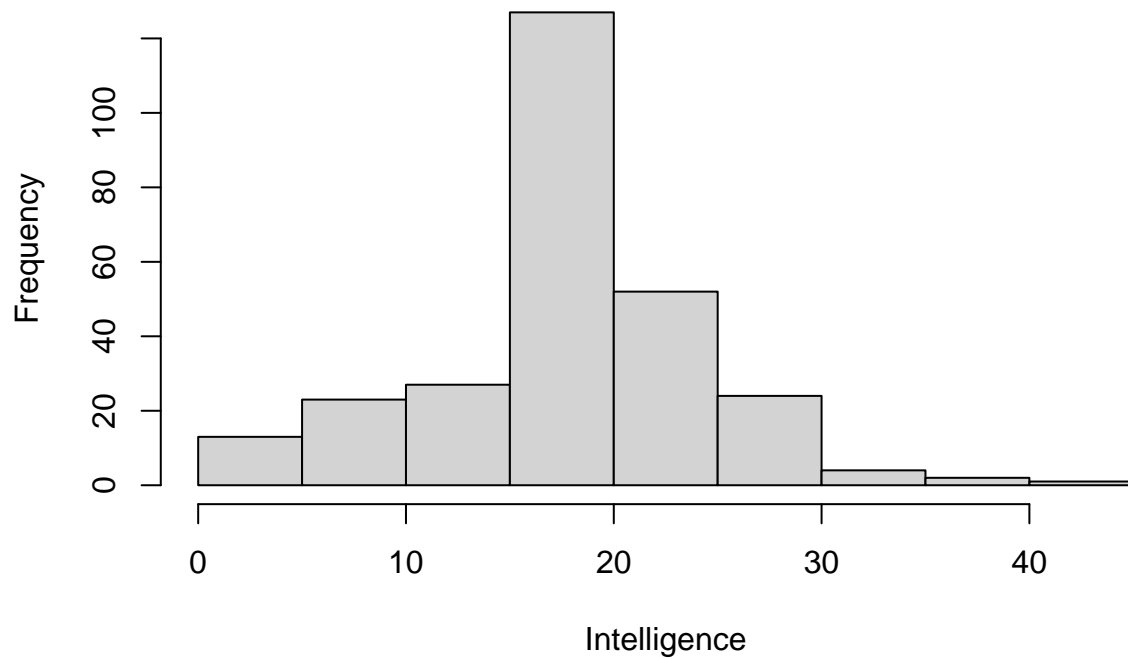

```
hist(df_cleaned_first_female$intelligence_important, main='Značajnost inteligenciju kod partnera - Žene
```

Znacajnost inteligenciju kod partnera – Zene
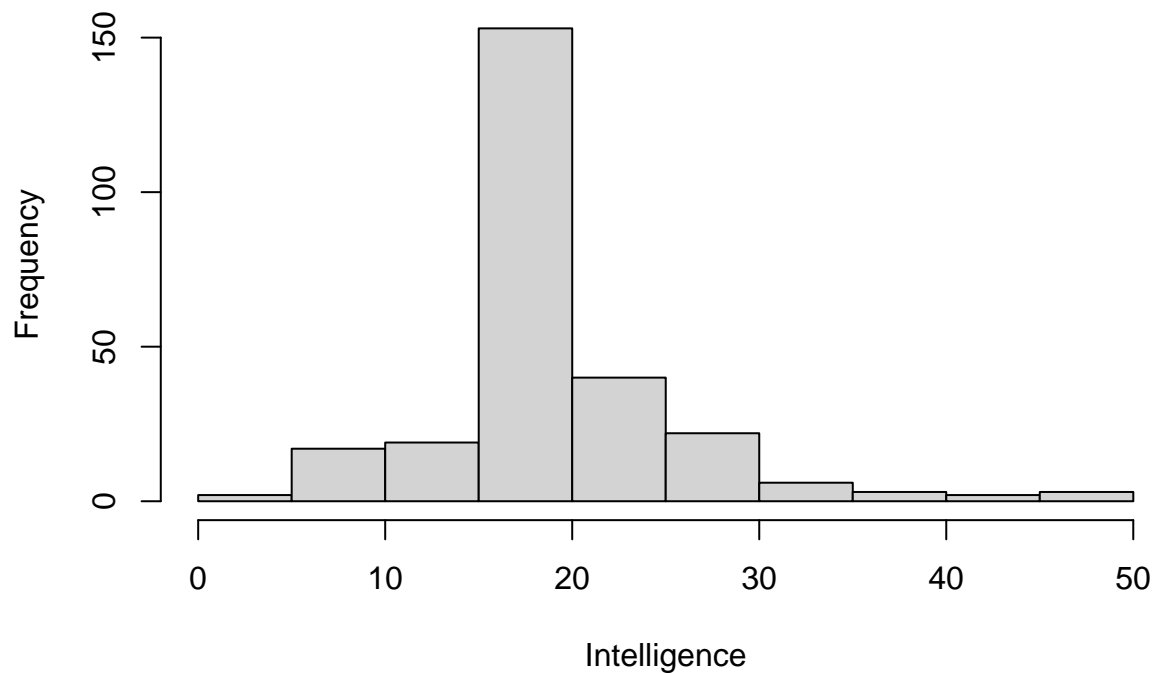
Prema podacima iz grafa vidimo da je velika većina ispitanika, njih preko 250, ocjenila značajnost inteligencije između 15 i 20.

```
hist(df_cleaned_first$attractive_important, main='Značajnost privlačnosti kod partnera', xlab='Attracti
```

Znacajnost privlacnosti kod partnera

Attractiveness

```
hist(df_cleaned_first_male$attractive_important, main='Značajnost privlačnosti kod partnera – Muškarci'
```

Znacajnost privlacnosti kod partnera – Muskarci
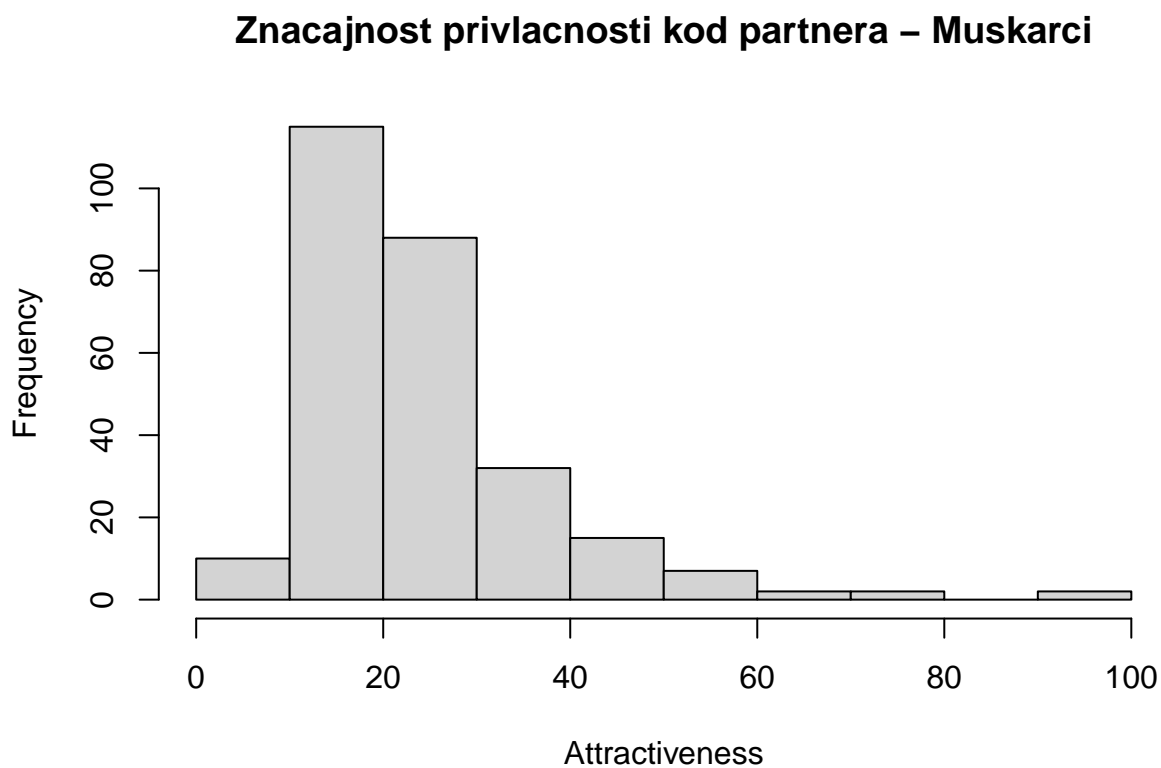
Attractiveness

```
hist(df_cleaned_first_female$attractive_important, main='Značajnost privlačnosti kod partnera - Žene',
```

Znacajnost privlacnosti kod partnera – Zene

Attractiveness   Također

kao i kod važnosti inteligencije, najčešča ocjena važnosti privlačnosti jest između 10 i 20. No ovdje se ističu i ocjene između 20 i 30.

Podatke o važnosti atraktivnosti i inteligencije ćemo usporediti u histogramu.

```
b <- seq(0, 100, by = 5)

h1 <- hist(df_cleaned_first$intelligence_important, breaks = b, plot = FALSE)
h2 <- hist(df_cleaned_first$attractive_important, breaks = b, plot = FALSE)

midpoints <- (head(b, -1) + tail(b, -1)) / 2

data <- t(cbind(h1$counts, h2$counts))

barplot(data, beside = TRUE, col = c("purple", "lightgreen"), xlab = "Importance", ylab = 'Frequency',
legend("topright", c("intelligence", "attractiveness"), fill = c("purple", "lightgreen"))
```

13
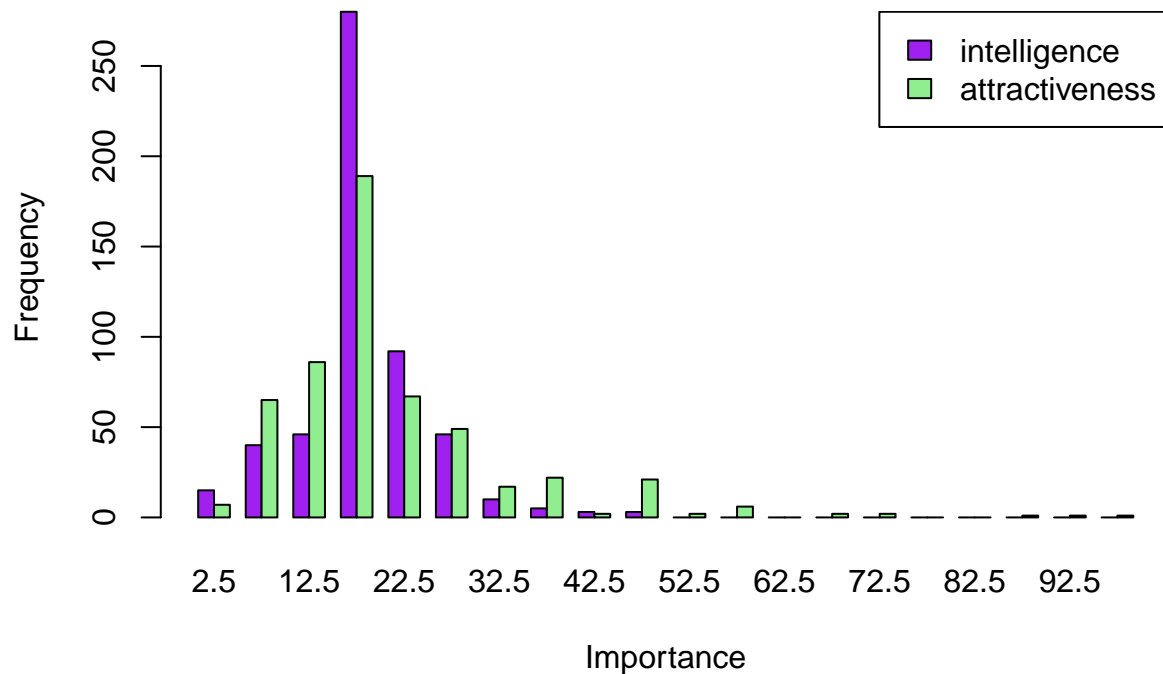
Možemo vidjeti da su najčešće vrijednosti obje važnosti 17.5. Dok je druga najčešča vrijednost važnosti intelgencije 12.5, a važnosti izgleda 22.5.

Normalnost podataka ćemo provjeriti uz pomoć qqplot-ova i testom o jednakosti varijanci.

```
qqnorm(df_cleaned_first$attractive_important, pch = 1, frame = FALSE, main = "Važnost izgleda - Svi")
qqline(df_cleaned_first$attractive_important, col = "blue", lwd = "2")
```

Vaznost izgleda – Svi
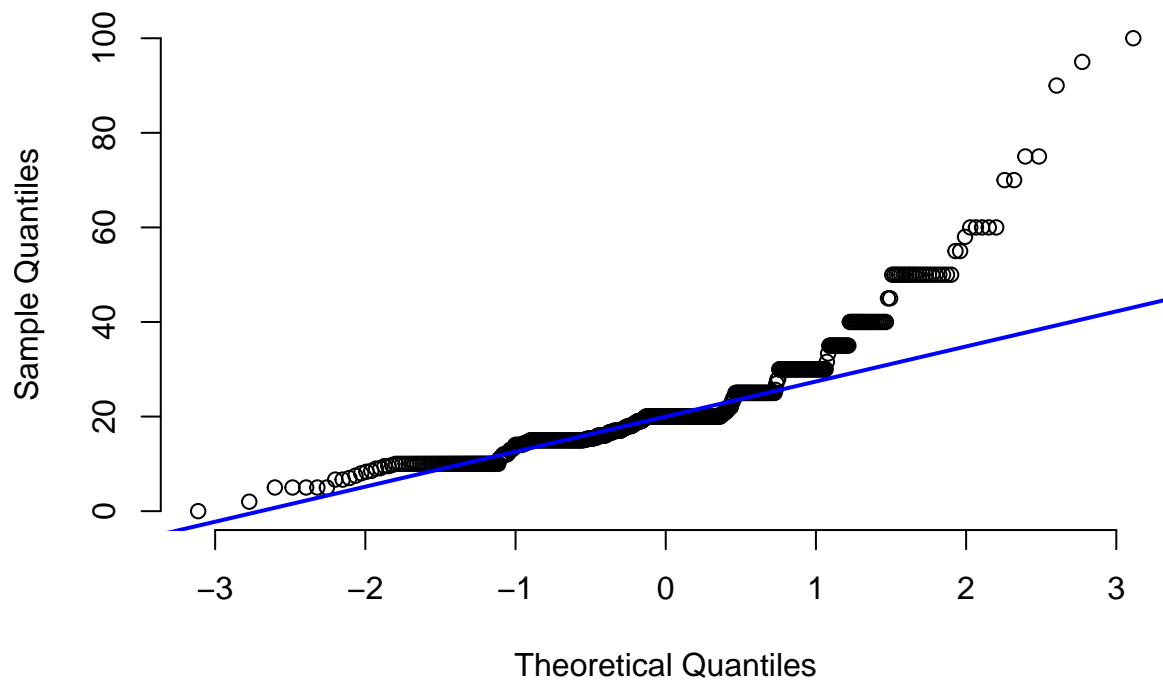
```
qqnorm(df_cleaned_first$intelligence_important, pch = 1, frame = FALSE, main = "Važnost inteligencije –
qqline(df_cleaned_first$intelligence_important, col = "blue", lwd = "2")
```

Vaznost inteligencije – Svi
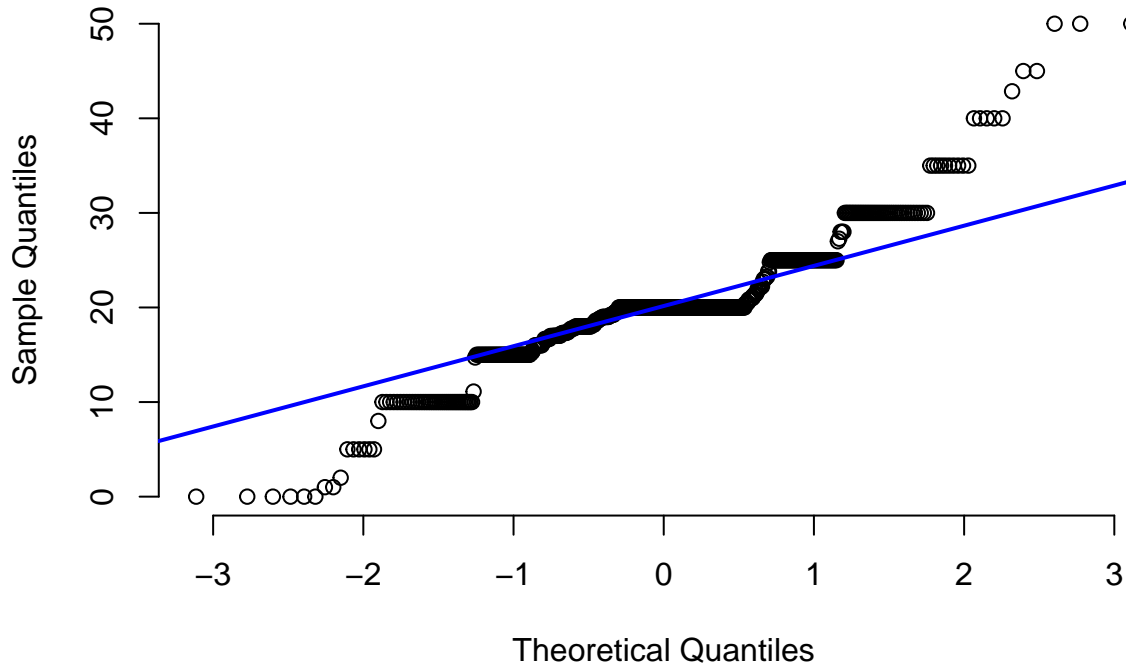

```
qqnorm(df_cleaned_first_male$attractive_important, pch = 1, frame = FALSE, main = "Važnost izgleda – Mu
qqline(df_cleaned_first_male$attractive_important, col = "blue", lwd = "2")
```

Vaznost izgleda – Muskarci
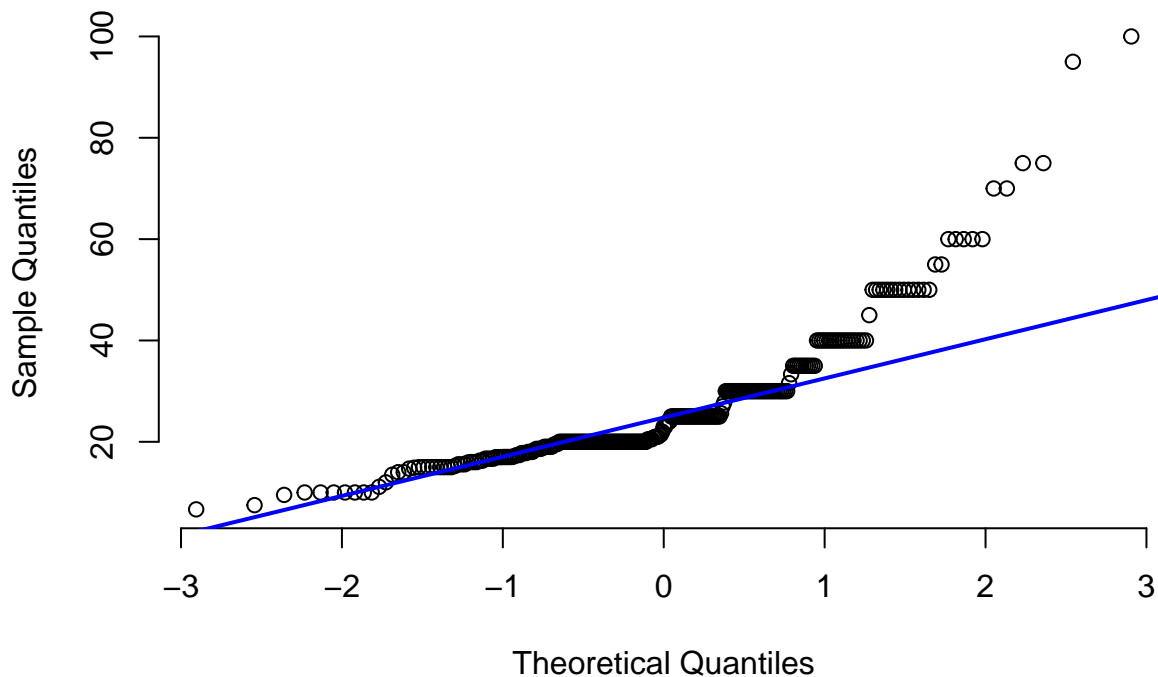
```
qqnorm(df_cleaned_first_male$intelligence_important, pch = 1, frame = FALSE, main = "Važnost inteligenc
qqline(df_cleaned_first_male$intelligence_important, col = "blue", lwd = "2")
```

Vaznost inteligencije – Muskarci
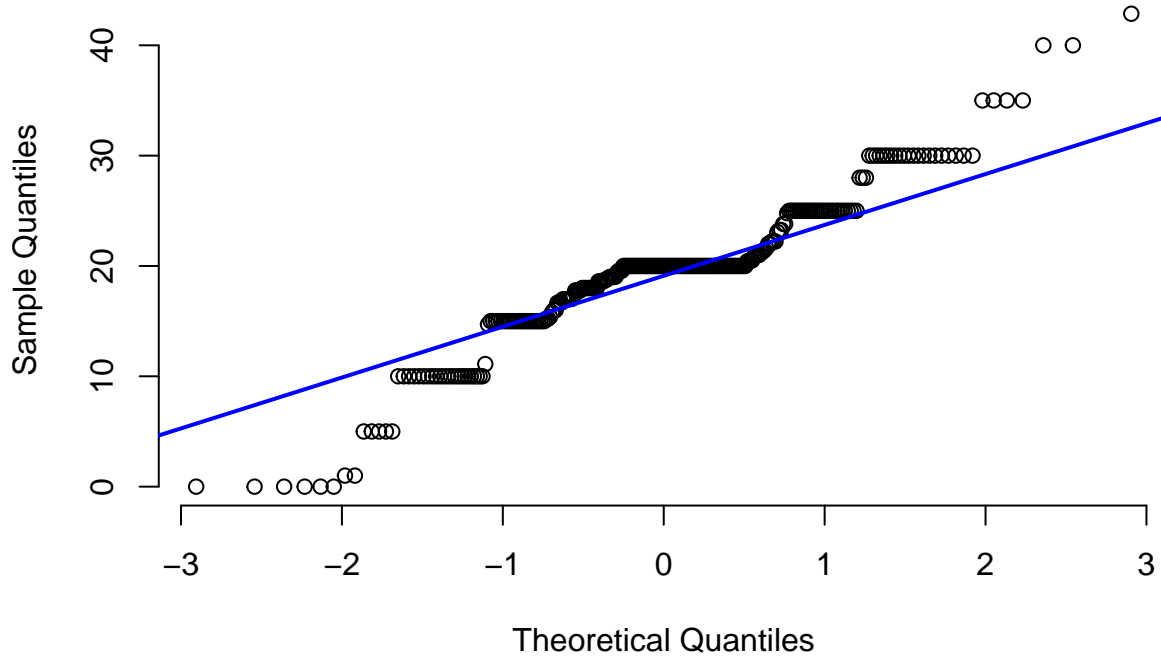

```
qqnorm(df_cleaned_first_female$attractive_important, pch = 1, frame = FALSE, main = "Važnost izgleda -
qqline(df_cleaned_first_female$attractive_important, col = "blue", lwd = "2")
```

Vaznost izgleda – Zene
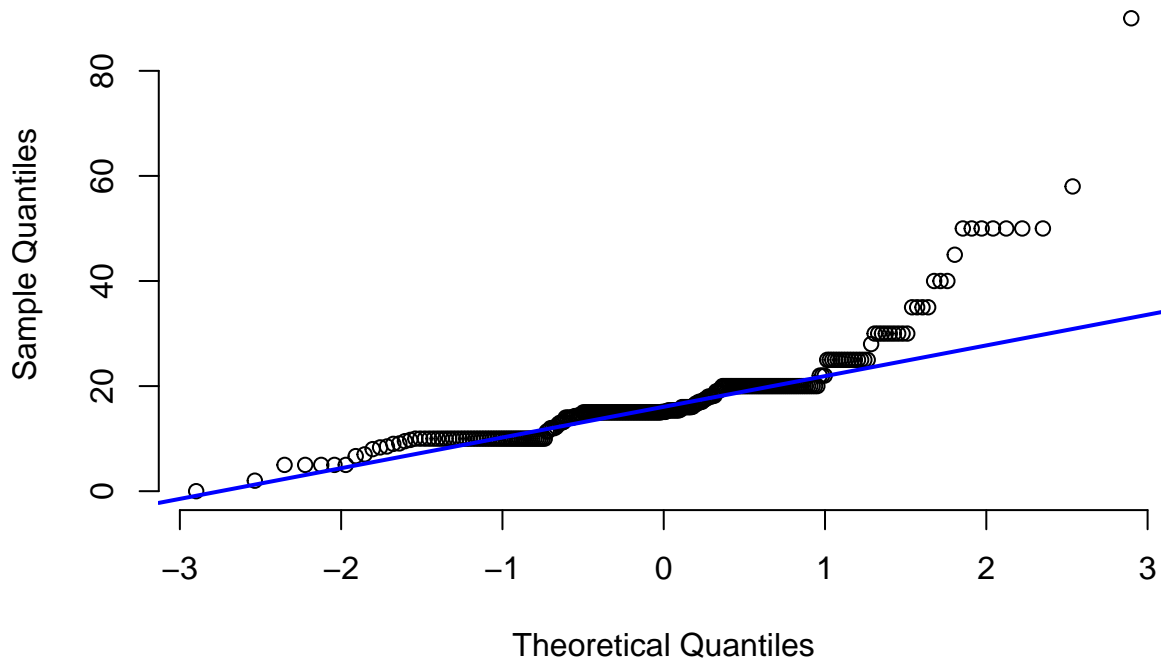
```
qqnorm(df_cleaned_first_female$intelligence_important, pch = 1, frame = FALSE, main = "Važnost inteligen
qqline(df_cleaned_first_female$intelligence_important, col = "blue", lwd = "2")
```

Vaznost inteligencije – Zene
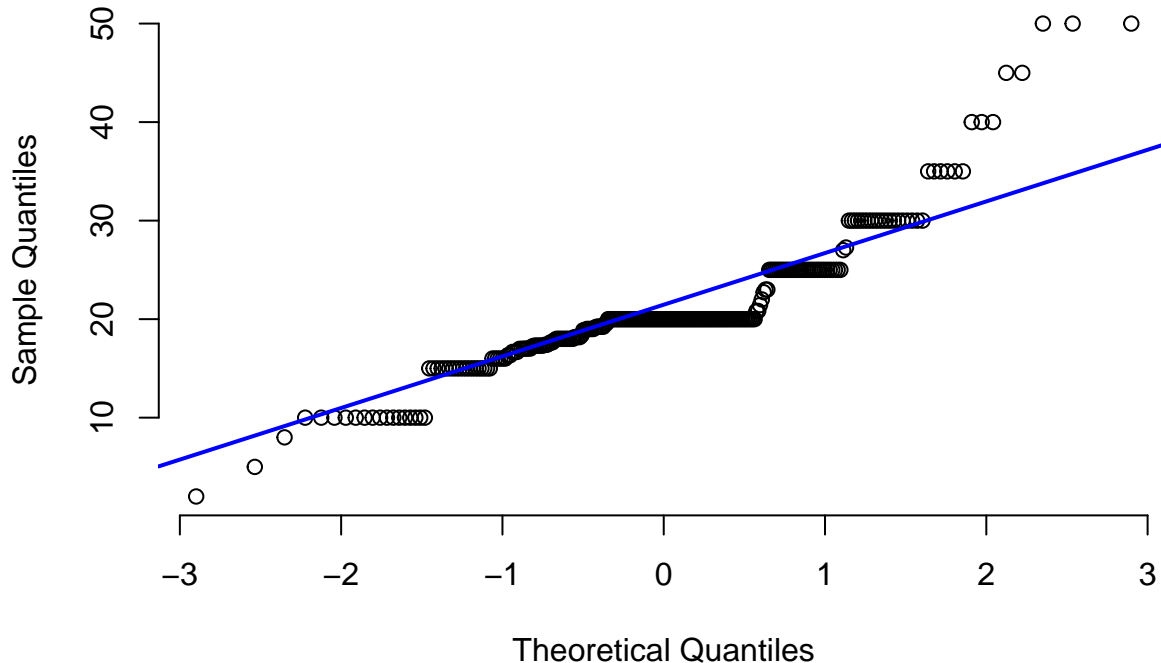
Uz pretpostavku normalnosti podataka možemo nastaviti testiranje varijanca.

Provest ćemo test o jednakosti varijanci uz pomoć F-testa.

$$F = \frac{S^2_{X_1}/\sigma^2_1}{S^2_{X_2}/\sigma^2_2}$$

Pri čemu za statistike s1 (intelligence_important) i s2 (attractive_important) vrijedi :

$$S^2_{X_1} = \frac{1}{n_1 - 1}\sum_{i=1}^{n_1}(X_1^i - \bar{X}_1)^2, \quad S^2_{X_2} = \frac{1}{n_2 - 1}\sum_{i=1}^{n_2}(X_2^i - \bar{X}_2)^2.$$

Uz $(n_1 - 1, n_2 - 1)$ stupnjeva slobode. Hipoteze testa o jednakosti varijanca glase :

$$H_0 : \sigma^2_1 = \sigma^2_2$$
$$H_1 : \sigma^2_1 \neq \sigma^2_2$$

Varijanca važnosti izgleda:

```
var_attractive <- var(df_cleaned_first$attractive_important)
cat("Varijanca od attractive_important za sve sudionike:", var_attractive, "\n")
```

```
## Varijanca od attractive_important za sve sudionike: 162.2717
```

```
var_attractive_male <- var(df_cleaned_first_male$attractive_important)
cat("Varijanca od attractive_important za muškarce:", var_attractive_male, "\n")
```

```
## Varijanca od attractive_important za muškarce: 185.3076
```

```
var_attractive_female <- var(df_cleaned_first_female$attractive_important)
cat("Varijanca od attractive_important za žene:", var_attractive_female, "\n")
```

Varijanca od attractive_important za žene: 97.50458

Varijanca važnosti inteligencije:

```
var_intelligence <- var(df_cleaned_first$intelligence_important)
cat("Varijanca od intelligence_important za sve sudionike:", var_intelligence, "\n")
```

Varijanca od intelligence_important za sve sudionike: 47.30045

```
var_intelligence_male <- var(df_cleaned_first$intelligence_important)
cat("Varijanca od intelligence_important za muškarce:", var_intelligence_male, "\n")
```

Varijanca od intelligence_important za muškarce: 47.30045

```
var_intelligence_female <- var(df_cleaned_first$intelligence_important)
cat("Varijanca od intelligence_important za žene:", var_intelligence_female, "\n")
```

Varijanca od intelligence_important za žene: 47.30045

Te radimo F-test:

```
var.test(df_cleaned_first$attractive_important, df_cleaned_first$intelligence_important)
```

```
##
##  F test to compare two variances
##
## data:  df_cleaned_first$attractive_important and df_cleaned_first$intelligence_important
## F = 3.4307, num df = 539, denom df = 539, p-value < 2.2e-16
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  2.897158 4.062401
## sample estimates:
## ratio of variances
##           3.430659
```

```
var.test(df_cleaned_first_male$attractive_important, df_cleaned_first_male$intelligence_important)
```

```
##
##  F test to compare two variances
##
## data:  df_cleaned_first_male$attractive_important and df_cleaned_first_male$intelligence_important
## F = 3.9273, num df = 272, denom df = 272, p-value < 2.2e-16
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##  3.094976 4.983532
## sample estimates:
## ratio of variances
##           3.927329
```

```
var.test(df_cleaned_first_female$attractive_important, df_cleaned_first_female$intelligence_important)
```

```
##
##  F test to compare two variances
##
## data:  df_cleaned_first_female$attractive_important and df_cleaned_first_female$intelligence_importan
## F = 2.1004, num df = 266, denom df = 266, p-value = 2.248e-09
```

```
## alternative hypothesis: true ratio of variances is not equal to 1
## 95 percent confidence interval:
##   1.650777 2.672383
## sample estimates:
## ratio of variances
##            2.100359
```

Zaključujemo uz p-vrijednosti koje su manje od predodređene razine značajnosti od 0.05 da su te varijance različite. Odbacujemo H0 hipotezu u koristi H1 te ćemo koristiti T-test za dva uzorka uz nejednake varijance.

T-test za dva uzorka uz nepoznate i nejednake varijance

$$H_0 : \mu_1 = \mu_2$$
$$H_1 : \mu_1 < \mu_2 \quad , \quad \mu_1 > \mu_2 \quad , \quad \mu_1 \neq \mu_2$$

```
t_test_result <- t.test(df_cleaned_first$intelligence_important,
                        df_cleaned_first$attractive_important,
                        var.equal = FALSE)

print(t_test_result)
```

```
##
##  Welch Two Sample t-test
##
## data:  df_cleaned_first$intelligence_important and df_cleaned_first$attractive_important
## t = -3.7697, df = 828.62, p-value = 0.000175
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##   -3.571237 -1.125652
## sample estimates:
## mean of x mean of y
##   20.17174  22.52019
```

```
t_test_result_male <- t.test(df_cleaned_first_male$intelligence_important,
                        df_cleaned_first_male$attractive_important,
                        var.equal = FALSE)

print(t_test_result_male)
```

```
##
##  Welch Two Sample t-test
##
## data:  df_cleaned_first_male$intelligence_important and df_cleaned_first_male$attractive_important
## t = -8.2239, df = 402.08, p-value = 2.754e-15
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##   -9.403482 -5.775126
## sample estimates:
## mean of x mean of y
##   19.41956  27.00886
```

```
t_test_result_female <- t.test(df_cleaned_first_female$intelligence_important,
                        df_cleaned_first_female$attractive_important,
                        var.equal = FALSE)

print(t_test_result_female)
```

```
## 
##  Welch Two Sample t-test
## 
## data:  df_cleaned_first_female$intelligence_important and df_cleaned_first_female$attractive_importan
## t = 4.0999, df = 472.48, p-value = 4.865e-05
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##   1.567480 4.452894
## sample estimates:
## mean of x mean of y
##   20.94082  17.93064
```

Uz male p-vrijednosti odbacujemo hipotezu H0 u korist H1 za sva tri testa - za sve sudionike, za muškarce i za žene. Na temelju ovih testova zaključujemo da kod mušakaraca postoji veća razlika između važnosti izgleda i inteligencije u korist izgleda, te se na temelju testa zaključuje da muškim ispitanicima važnost inteligencije nije veća od važnosti izgleda. Kod žena u ovom skupu podataka situacija je suprotna, također nisu jednako važni inteligencija i izgled, ali u ovom slučaju prednost ima inteligencija partnera to jest drugim riječima, izgled ima manju ulogu.

Kod svih ispitanika zaključujemo da važnost inteligencije i izgleda kod odabira partnera nisu jednaki, izgled je važniji što smo pokazali i ovim testom. Paralelnim prikazom međuodnosa inteligencije i izgleda kod muškaraca i žena prikazali smo da u slučaju drukčijeg skupa podataka u kojem je veći disbalans između broja muškaraca i žena (ovdje, 273 i 267) mogli doći do drukčijeg zaključka za sve ispitanike-

Drugo istraživacko pitanje glasi : Postoji li razlika u interesu za gaming prema zanimanju sudionika?

Za ovo pitanje bitni su nam podaci o zanimanju sudionika te o interesu koji imaju za gaming.Potrebno je podatke očistiti prije njihovog korištenja. Podatke o interesu za gaming ćemo očistiti na način da se nepostojeći podaci o ocjeni zamjene sa medijanom svih ocjena svih sudionika. Podatke o zanimanju sudionika očistit ćemo tako što ćemo ukloniti podatke o sudionicima za koje je zanimanje ne definirano.

Prije opisanog procesa ćemo u novi data frame staviti stupce iz tablice participants koje ćemo koristiti. U ovom slučaju to su gaming i field stupci

```
df_field_gaming <- participants[, c("gaming", "field")]
names(df_field_gaming) # ispisuje imena stupaca
```

```
## [1] "gaming" "field"
```

```
dim(df_field_gaming) # dimenzije novo stvorenog data frame-a participants_data
```

```
## [1] 540    2
```

```
class(df_field_gaming$gaming)
```

```
## [1] "integer"
```

```
class(df_field_gaming$field)
```

```
## [1] "character"
```

Iz ovog ispisa vidljivo je da se tablica sastoji od 540 redaka, drugim riječima, imamo podatke o 540 sudionika te o njihovom interesu za gaming i njihovom zanimanju. Također vidimo da podaci u stupcu gaming pripadaju klasi "integer", a u stupcu field klasi "character" iz čega zaključujemo da su ocjene za interes za gaming cijeli brojevi na intervalnoj skali, a zanimanje sudionika je kategorijska varijabla.

```
summary(df_field_gaming$gaming)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
```

```
##   0.000   1.000   3.000   3.874   6.000  14.000
```

```r
sum(df_field_gaming$gaming > 10)
```

```
## [1] 5
```

```r
sum(is.na(df_field_gaming$gaming)) # nepostojeće vrijednosti za gaming
```

```
## [1] 0
```

```r
sum(is.na(df_field_gaming$field)) # nepostojeće vrijenosti za field
```

```
## [1] 0
```

```r
length(unique(df_field_gaming$field)) # različite vrijednosti u field
```

```
## [1] 252
```

```r
df_field_gaming$gaming[df_field_gaming$gaming > 10] <- 10
df_field_gaming$gaming[df_field_gaming$gaming < 1] <- 1
```

Za naše pitanje odnosa interesa za gaming i zanimanja sudionika relevantne su kategorijska varijabla zanimanja i numerička varijabla ocjene na intervalnoj skali. Iz tog razloga daljnjoj analizi pristupiti ćemo na dva različita načina:

1. način Kategorizacija ocjena za gaming kako bismo mogli testirati nezavisnost između dvije kategorijske varijable. Test nezavisnosti u programskom jeziku R kao ulaz prima kontigencijsku tablicu te treba imati na umu da je pretpostavka testa da je očekivana frekvencija pojedinog razreda mora biti veća ili jednaka 5.

2. način Provjera primjenom jednofaktorske ANOVE, metoda kojom testiramo sredine više populacija te joj je cilj odrediti jesu li razliku između grupa statistički značajne.

Iz ispisa ocjena za gaming zakljucujemo da ima 5 vrijednosti ocjena koje su veće od 10, 2 vrijednosti koje su manje od 1 te da nema nepostojećih vrijednosti. U procesu čišćenja podataka smo vrijednosti koje su veće od 10 zamijenili sa 10, a vrijednosti koje su manje od 1 zamijeniti sa 1. Također nema nepostojećih vrijednosti u stupcu field te stoga možemo koristiti ovaj data frame u daljnjoj analizi. Za oba navedena načina potrebno je dodatno kategorizirati zanimanja sudionika.

```r
levels_field <- levels(factor(df_field_gaming$field))
print(levels_field[1:20])
```

```
##  [1] "Acting"                        "African-American Studies/History"
##  [3] "American Studies"              "American Studies [Masters]"
##  [5] "anthropology"                  "Anthropology"
##  [7] "Anthropology/Education"        "Applied Maths/Econs"
##  [9] "Applied Physiology & Nutrition" "Architecture"
## [11] "art education"                 "Art Education"
## [13] "art history"                   "Art History"
## [15] "Art History/medicine"          "Arts Administration"
## [17] "bilingual education"           "Bilingual Education"
## [19] "Biochemistry"                  "Biochemistry & Molecular Biophysics"
```

```r
length(unique(df_field_gaming$field))
```

```
## [1] 252
```

Ovdje smo ispisali samo dio različitih vrijednosti u stupcu field kojih ima 252. Kao što smo napomenuli, zanimanje sudionika je kategorijska varijabla i mnoge od tih vrijednosti imaju zajedničke karakteristike koje ih svrstavaju u istu kategoriju. Prije nastavka analize potrebno je zanimanja sudionika grupirati u manji broj

kategorija. U procesu grupiranja sva srodna zanimanja ćemo staviti u istu kategoriju na način da kategorije budu nezavisne.

Postoje mnogi načini za svrstavanje zanimanja sudionika u ovom slučaju na različite podskupove. Cilj podjele na manji broj kategorija bio je dobiti nezavisne podskupove zanimanja sa zajedničkim karakteristikama kako bi kategorije bile relevantne za predmet našeg istraživanja - razlika u interesu za gaming prema zanimanju korisnika. Osim koherencije kategorija cilj je bio i smanjenje dimenzionalnosti uz, ukoliko je moguće, održavanje podjednake raspodjele sudionika po kategorijama. Ovim smjernicama stvarali smo kategorije srodnih zanimanja te smo metodom pokušaja i pogreške došli do sljedeće kategorizacije - Business&Economics, STEM, Social Studies&Humanities, Law&International Affairs.

```r
bussines_economics_keywords <- c("economy", "economics", "econs", "finance", "finanace", "financial", "
stem_keywords <- c("architecture", "engineering", "operations research", "engg.", "computer science", "
social_studies_humanities_keyword <- c("american studies", "history", "anthropology", "qmss", "psycholo
law_keywords <- c("law", "human rights", "international", "intrernational affairs", "public", "relation

categorize_field <- function(field) {
  matches <- c(
    any(grepl(paste(bussines_economics_keywords, collapse = "|"), field, ignore.case = TRUE)),
    any(grepl(paste(stem_keywords, collapse = "|"), field, ignore.case = TRUE)),
    any(grepl(paste(social_studies_humanities_keyword, collapse = "|"), field, ignore.case = TRUE)),
    any(grepl(paste(law_keywords, collapse = "|"), field, ignore.case = TRUE))
  )

  if (sum(matches) > 1) {
    return(field)
  } else {
    if (matches[1]) return("Business&Economics")
    if (matches[2]) return("STEM")
    if (matches[3]) return("Social Studies&Humanities")
    if (matches[4]) return("Law & International Affairs")
    return(field)
  }
}

df_field_gaming$field = sapply(df_field_gaming$field, categorize_field)
zadane_kategorije <- c("Business&Economics", "Law & International Affairs", "STEM", "Social Studies&Huma
redovi_bez_zadanih_kategorija <- subset(df_field_gaming, !(field %in% zadane_kategorije))
head(redovi_bez_zadanih_kategorija)
```

```
##    gaming                          field
## 33      4              Applied Maths/Econs
## 47      5                  Undergrad - GS
## 48      8             Mathematical Finance
## 63      6     Business & International Affairs
## 89      2 International Educational Development
## 94      1    Climate-Earth and Environ. Science
```

Pregledavanjem nesvrstanih zanimanja koja se ne mogu dodati u kategorije kako bi se zadržala nezavisnost, za neka smo zaključili da se mogu uključiti.Također postoje i podaci koji nisu iskoristivi jer ne daju zanimanje

sudionika. Sve navedene podatke smo očistili i neće se koristit u testovima.

```r
if ("Climate-Earth and Environ. Science" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "Climate-Earth and Environ. Science"] <- "STEM"
}
if ("international finance and business" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "international finance and business"] <- "Business&Econom
}
if ("International Business" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "International Business"] <- "Business&Economics"
}
if ("International Finance" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "International Finance"] <- "Business&Economics"
}
if ("Financial Engineering" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "Financial Engineering"] <- "Business&Economics"
}
if ("Law and Social Work" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "Law and Social Work"] <- "Law & International Affairs"
}
if ("Public Health" %in% df_field_gaming$field) {
  df_field_gaming$field[participants$field == "Public Health"] <- "STEM"
}

df_field_gaming <- subset(df_field_gaming, field %in% zadane_kategorije)
```

```r
table(df_field_gaming$field)
```

```
## 
##         Business&Economics Law & International Affairs
##                        120                          81
##   Social Studies&Humanities                        STEM
##                        163                         144
```

```r
length(unique(df_field_gaming$field))
```

```
## [1] 4
```

```r
dim(df_field_gaming)
```

```
## [1] 508    2
```

Nakon kategorizacije zanimanja sudionika imamo četiri kategorije zanimanja: - Business&Economics, - Law & International Affairs, - Social Studies&Humanities, - STEM U nastavku slijede mjere centralne tendencije za navedena zanimanja te vizualizacija podataka, također i za gaming.

Vizualizacija i prikaz podataka

```r
aggregate(df_field_gaming["gaming"], list(df_field_gaming$field), mean)
```

```
##                      Group.1   gaming
## 1          Business&Economics 4.125000
## 2 Law & International Affairs 4.197531
## 3   Social Studies&Humanities 3.263804
## 4                        STEM 4.000000
```

23

```r
aggregate(df_field_gaming["gaming"], list(df_field_gaming$field), median)
```

```
##                      Group.1 gaming
## 1           Business&Economics      4
## 2 Law & International Affairs      4
## 3    Social Studies&Humanities      2
## 4                         STEM      4
```

```r
aggregate(df_field_gaming["gaming"], list(df_field_gaming$field), var)
```

```
##                      Group.1   gaming
## 1           Business&Economics 6.026261
## 2 Law & International Affairs 5.835494
## 3    Social Studies&Humanities 6.207756
## 4                         STEM 6.517483
```

Na temelju medijana, aritmetičke sredine i varijance ocjena za gaming grupiranih po prije određenim kategorijama na prvi pogled možemo primjetiti da je vrijednost aritmetičke sredine manja za jednu ocjenu, a vrijednost medijana za dvije ocjene od ostalih kategorija.

```r
boxplot(df_field_gaming[df_field_gaming["field"]=="Business&Economics",]$gaming,
        main='Business&Economics - Gaming box-plot',
        ylab='Gaming grade',
        xlab='Business&Economics',
        col = "pink")
```

Business&Economics – Gaming box–plot
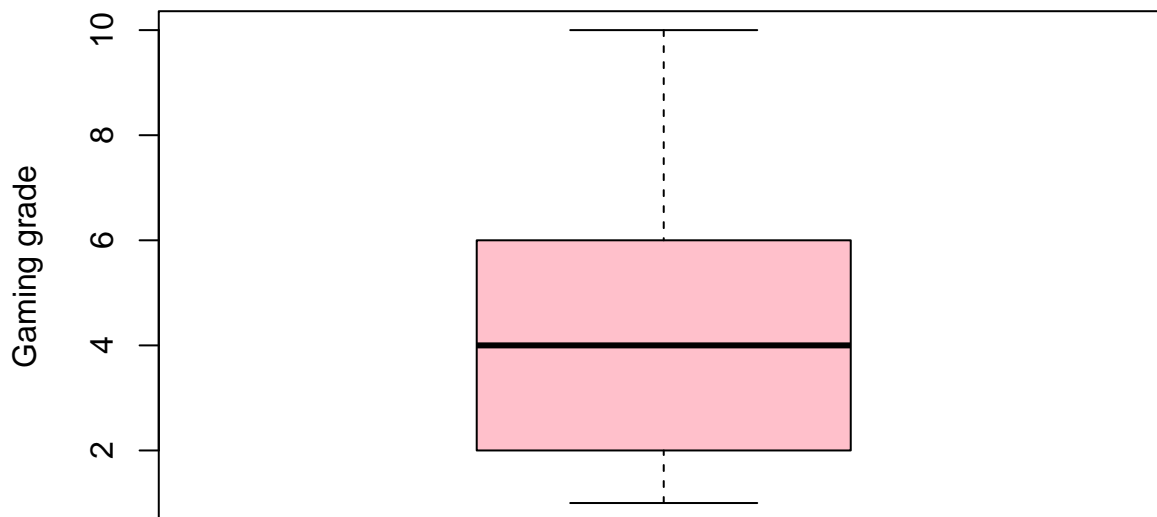
Business&Economics

```r
boxplot(df_field_gaming[df_field_gaming["field"]=="Law & International Affairs",]$gaming,
        main='Law & International Affairs - Gaming box-plot',
        ylab='Gaming grade',
        xlab='Law & International Affairs',
        col = "pink")
```

Law & International Affairs – Gaming box–plot
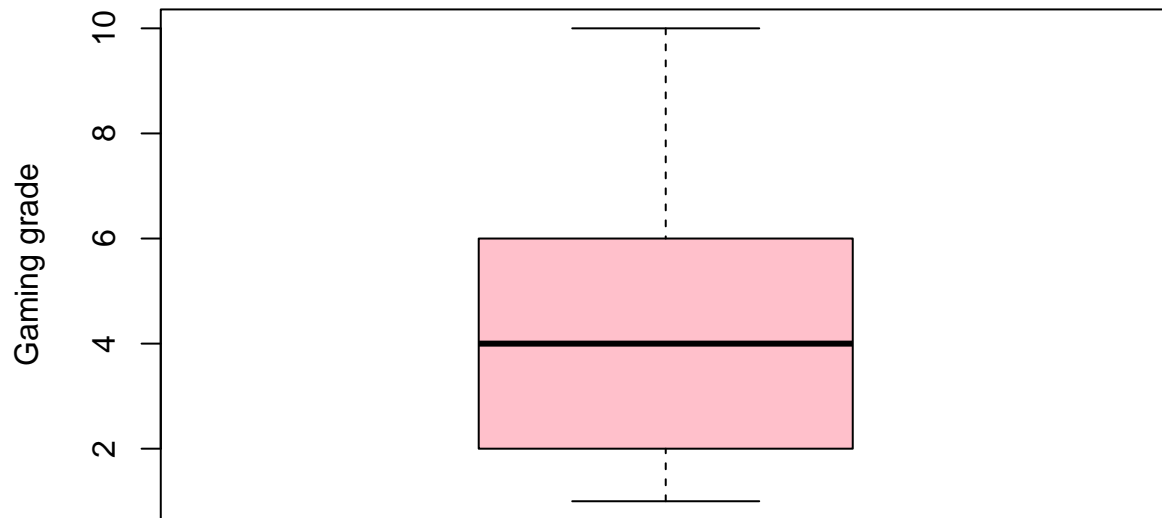
Law & International Affairs

```r
boxplot(df_field_gaming[df_field_gaming["field"]=="Social Studies&Humanities",]$gaming,
        main='Social Studies&Humanities - Gaming box-plot',
        ylab='Gaming grade',
        xlab='Social Studies&Humanities',
        col = "pink")
```

Social Studies&Humanities – Gaming box–plot
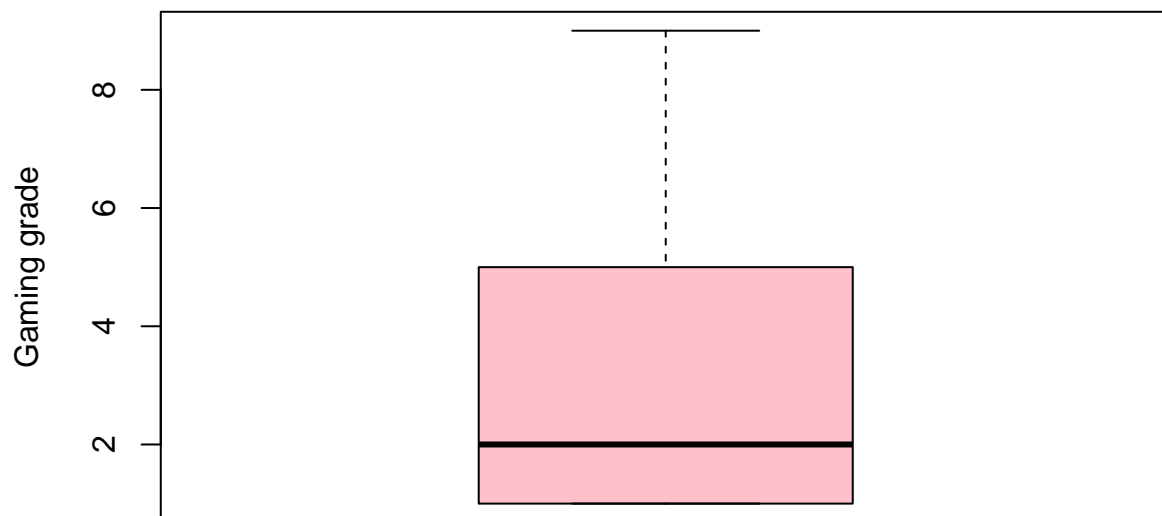
Social Studies&Humanities

```r
boxplot(df_field_gaming[df_field_gaming["field"]=="STEM",]$gaming,
        main='STEM - Gaming box-plot',
        ylab='Gaming grade',
        xlab='STEM',
        col = "pink")
```

STEM – Gaming box–plot
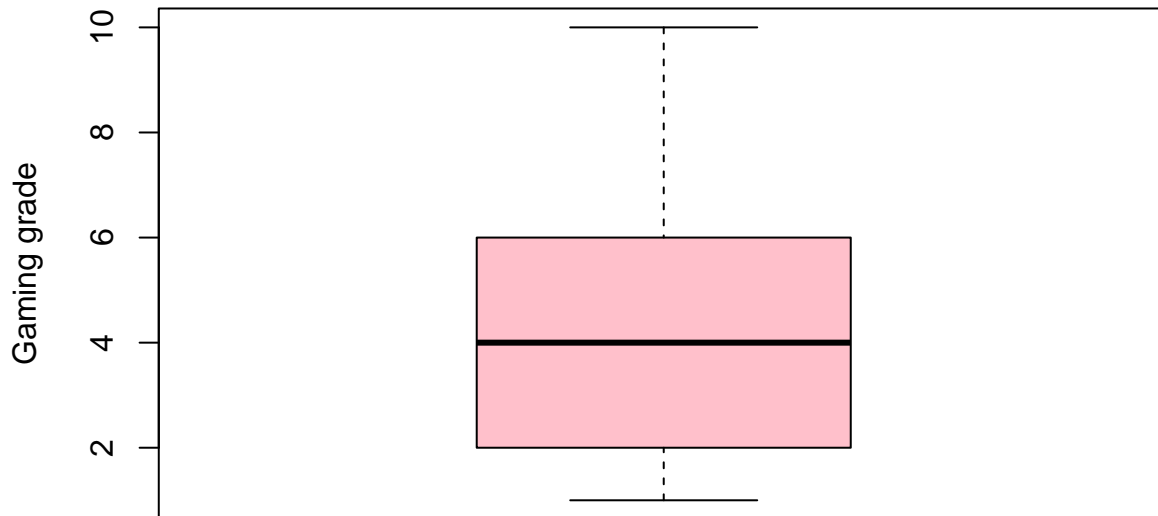
STEM

```r
#boxplot(df_field_gaming$gaming ~ df_field_gaming$field)

boxplot(gaming ~ field, df_field_gaming,
        main = "Boxplot ocjena interesa za gaming po kategorija",
        xlab = "Kategorije",
        ylab = "Ocjena interesa za gaming",
        col = "pink"  # Boja boxplot-a
)
```

Boxplot ocjena interesa za gaming po kategorija
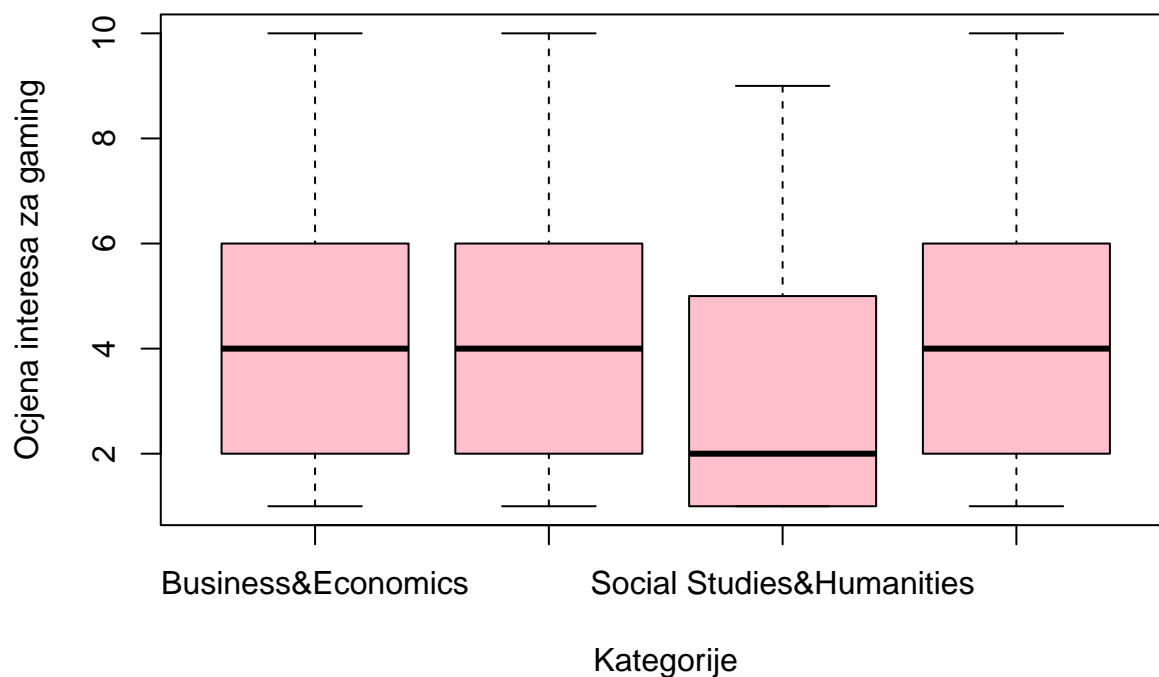
Prije primjećena manja vrijednost medijana vidljiva je i na prikazanom boxplotu ocjena interesa za gaming po kategorijama.

```r
hist(df_field_gaming$gaming,
     breaks = seq(min(df_field_gaming$gaming) - 0.5, max(df_field_gaming$gaming) + 0.5, 1),
     main = "Histogram ocjena za gaming svih sudionika",
     xlab = "Ocjena interesa za gaming"
)
```

Histogram ocjena za gaming svih sudionika
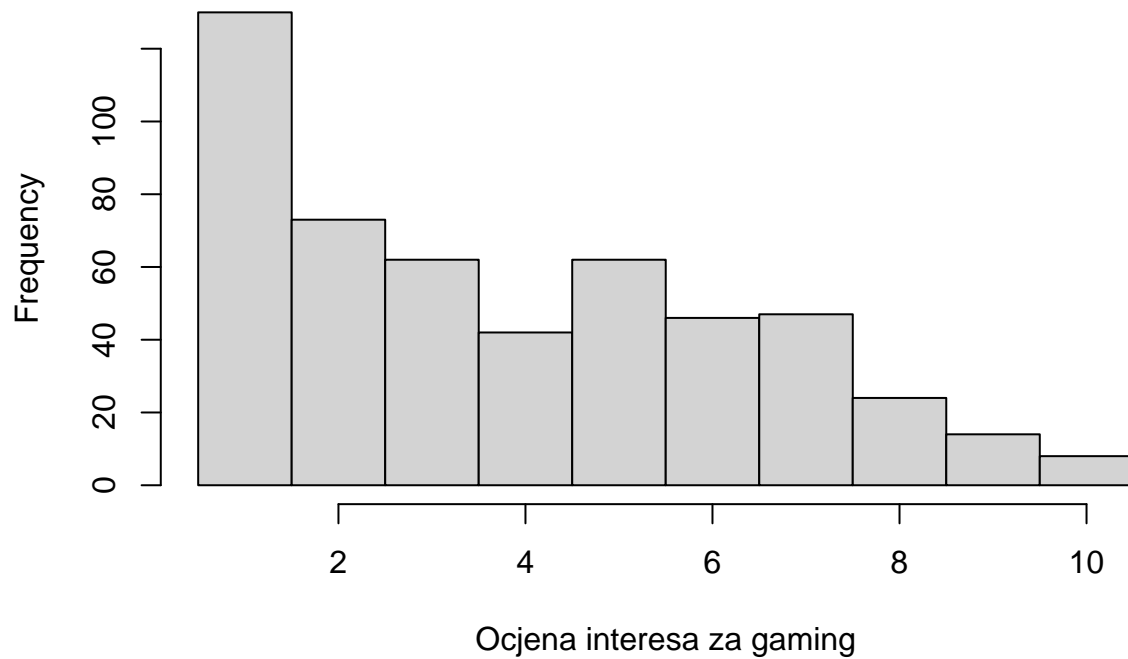

```
barplot(
  t(table(df_field_gaming$gaming, df_field_gaming$field)),
  col = c('lightblue', 'purple', 'green', 'red'),
  beside = TRUE,
  legend.text = TRUE,
  xlab = 'Ocjena za interes za gaming',
  ylab = 'Frekvencija',
  main = 'Barplot za kategorije'
)
```

Barplot za kategorije
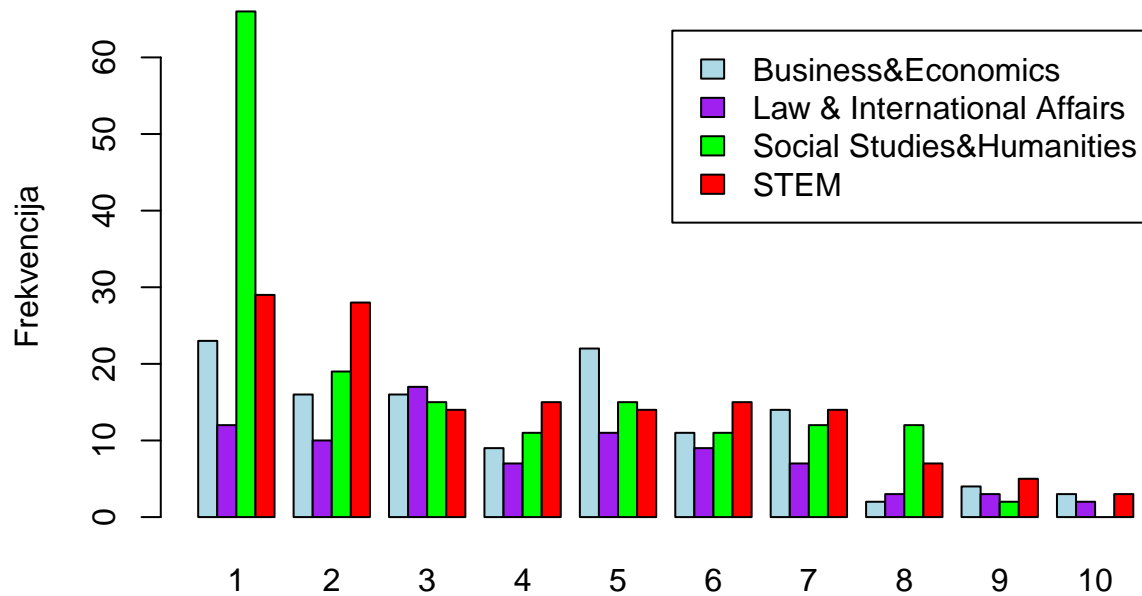

```r
table(df_field_gaming$gaming, df_field_gaming$field)
```

```
## 
##       Business&Economics Law & International Affairs Social Studies&Humanities
## 1                     23                          12                        66
## 2                     16                          10                        19
## 3                     16                          17                        15
## 4                      9                           7                        11
## 5                     22                          11                        15
## 6                     11                           9                        11
## 7                     14                           7                        12
## 8                      2                           3                        12
## 9                      4                           3                         2
## 10                     3                           2                         0
## 
##      STEM
## 1      29
## 2      28
## 3      14
## 4      15
## 5      14
## 6      15
## 7      14
## 8       7
## 9       5
## 10      3
```

```r
max_length <- max(table(df_field_gaming$gaming, df_field_gaming$field))
# Kreiranje linijskog plot-a
plot(1:10, table(df_field_gaming$gaming[df_field_gaming$field == "STEM"]), type = 'l', col = 'red',
```

```
    xlim = c(min(df_field_gaming$gaming), max(df_field_gaming$gaming)),
    ylim = c(0, 100),
    xlab = 'Ocjena za interesa za gaming', ylab = 'Frekvencija', main = 'Linijski plot za kategorije')

# Dodavanje linijskih plot-ova za ostale kategorije
lines(1:10, table(df_field_gaming$gaming[df_field_gaming$field == "Business&Economics"]), col = 'lightbl
lines(1:10, table(df_field_gaming$gaming[df_field_gaming$field == "Law & International Affairs"]), col =
lines(1:max_length, table(df_field_gaming$gaming[df_field_gaming$field == "Social Studies&Humanities"])

# Dodavanje legendi
legend("topright",c("Business&Economics","Law & International Affairs", "Social Studies&Humanities","ST
```

Linijski plot za kategorije
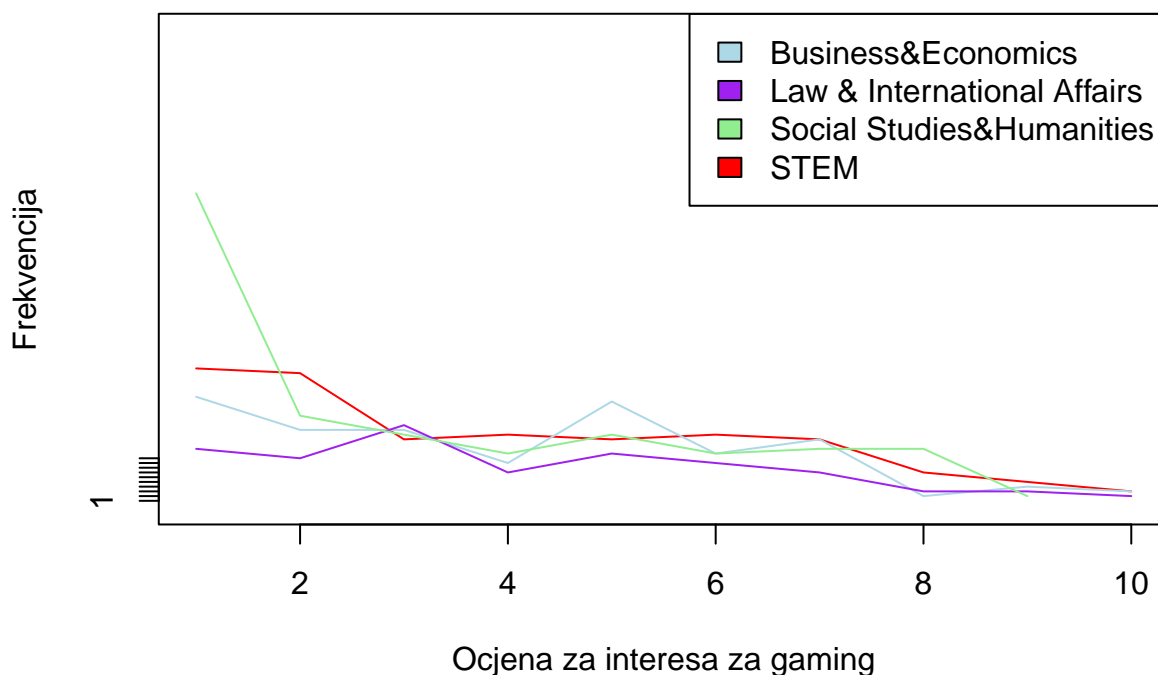
Koristeći različite vrste prikaza podataka za vrstu kojom raspolazemo, kategorijska varijabla područja zanimanja i numerička varijabla ocjene, prikazali smo raspodjelu podataka po kategroijama i ocjenama unutar svake kategorije te međusobno između kategorija.

Nakon vizualizacije podataka nastavit ćemo sa prije spomenutim prvim načinom pristupa ovom pitanju odnosa interesa za gaming prema zanimanju sudionika. To podrazumijeva kategorizaciju ocjena za gaming kako bismo testirali nezavisnost između dvije tada kategorijske varijable - područje zanimanje, ocjena intersa za gaming. Kategorija ocjene varijabla je na ordinalnoj skali dok je kategorija područja zanimanja kategorijska varijabla nominalne skale - područja zanimanja ne mogu se rangirati dok se kategorije ocjena mogu.

Test nezavisnosti kategorijskih varijabli

Test nezavisnosti, χ^2 test, u programskom paketu R implementiran je u funkciji `chisq.test()` koja kao ulaz prima kontingencijsku tablicu podataka koje testiramo na nezavisnost. Također,test nezavisnosti koristi se kako bi se provjerilo postoji li statistički značajna veza između dvije kategorijske varijable, u našem slučaju kategorije ocjena i područja zanimanja. Stoga, hipoteze za navedeni test su sljedeće: Nulta hipoteza - nema

statistički značajne veze između zanimanja sudionika i interesa za gaming.

$$H_0 : \text{Područje zanimanja sudionika i interes za gaming su nezavisne varijable.}$$

Alternativna hipoteza - Postoji statistički značajna veza između zanimanja sudionika i interesa za gaming.

$$H_1 : \text{Područje animanja sudionika i interes za gaming nisu nezavisne varijable..}$$

Ako p-vrijednost dobivena testom bude dovoljno mala - manja od 0.05, odbit ćemo nultu hipotezu i zaključiti da postoji statistički značajna veza.

Test nezavisnosti u jeziku R prima kontigencijsku tablicu kao ulazt te treba imati na umu pretpostavku da je frekvencija očekivanog razreda veća ili jednaka 5.

Prvi korak za navedeno ispitivanje je kategoriziranje ocjena interesa za gaming. To ćemo napraviti na sljedeći način, ocjene koje su cijeli brojevi od 1 do 10 ćemo podijeliti u tri nezavisne kategorije: Niska, Srednja i Visoka. Gdje će u grupi Niska biti ocjene od 1 do 2, u grupi Srednja ocjene od 3 do 6 i u grupi Visoka ocjene od 7 do 10.

```r
df_field_gaming <- df_field_gaming %>%
  mutate(kat_gaming = case_when(
    gaming %in% 0:2 ~ "Niska",
    gaming %in% 3:6 ~ "Srednja",
    TRUE ~ "Visoka"
  ))

# Ispisivanje rezultata
head(df_field_gaming)

##   gaming                      field kat_gaming
## 1      1 Law & International Affairs      Niska
## 2      5 Law & International Affairs    Srednja
## 3      4          Business&Economics    Srednja
## 4      5 Law & International Affairs    Srednja
## 5      6 Law & International Affairs    Srednja
## 6      2 Law & International Affairs      Niska

kat_gaming_count <- table(df_field_gaming$kat_gaming)
print(kat_gaming_count)

##
##   Niska Srednja  Visoka
##     203     212      93

barplot(kat_gaming_count,
        main = "Histogram ocjena kategorija",
        xlab = "Kategorija ocjene",
        ylab = "Broj ocjena u kategoriji",
        col = c("red", "green", "blue"),  # Boje za svaku kategoriju
        legend.text = TRUE
)
```

Histogram ocjena kategorija
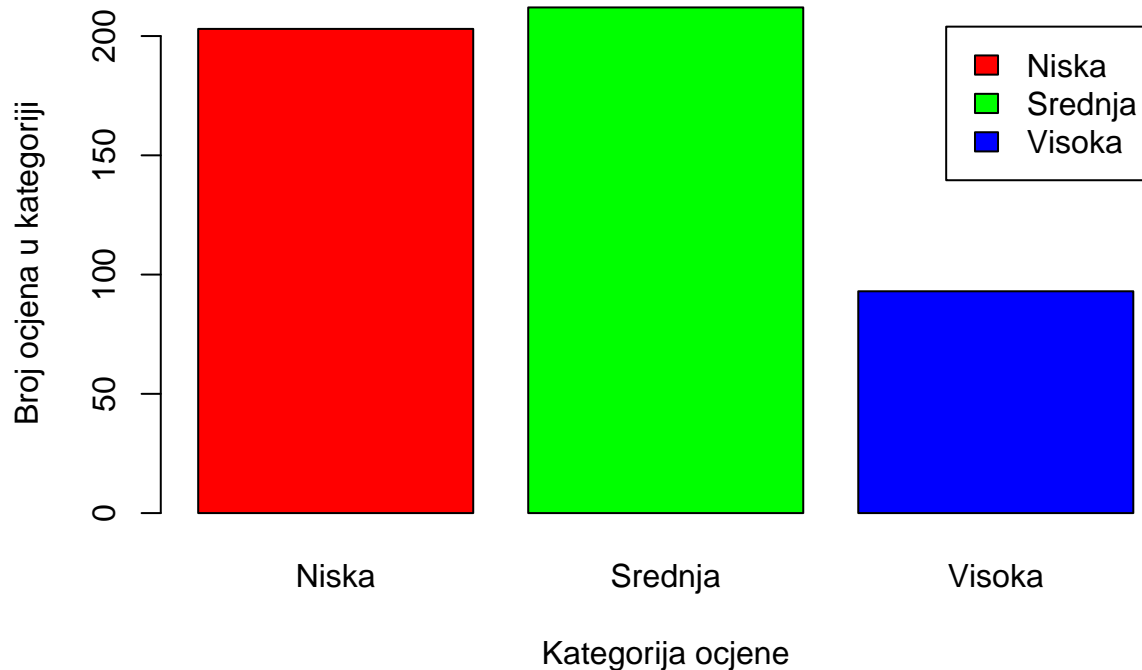
Nakon kategorizacije ocjena interesa za gaming možemo nastaviti sa prikazom kontigencijske tablice, zatim dodavanjem marginalnih suma i provjerom pretpostavke testa nezavisnosti.

Kontigencijska tablica

```
kontigencijska_tabl <- table(df_field_gaming$field, df_field_gaming$kat_gaming)
kontigencijska_tabl
```

```
##
##                              Niska Srednja Visoka
##    Business&Economics           39      58     23
##    Law & International Affairs   22      44     15
##    Social Studies&Humanities     85      52     26
##    STEM                          57      58     29
```

```
margine_tabl = addmargins(kontigencijska_tabl)
print(margine_tabl)
```

```
##
##                              Niska Srednja Visoka Sum
##    Business&Economics           39      58     23 120
##    Law & International Affairs   22      44     15  81
##    Social Studies&Humanities     85      52     26 163
##    STEM                          57      58     29 144
##    Sum                         203     212     93 508
```

Provjera pretpostavke testa nezavisnosti - očekivane frekvencije moraju biti veće ili jednake od 5.

```
for (col_names in colnames(margine_tabl)){
  for (row_names in rownames(margine_tabl)){
    if (!(row_names == 'Sum' | col_names == 'Sum') ){
      cat('Očekivane frekvencije za razred ',col_names,'-',row_names,': ',(margine_tabl[row_names,'Sum']
```

```
    }
  }
}
```

```
## Očekivane frekvencije za razred  Niska - Business&Economics :  47.95276
## Očekivane frekvencije za razred  Niska - Law & International Affairs :  32.36811
## Očekivane frekvencije za razred  Niska - Social Studies&Humanities :  65.13583
## Očekivane frekvencije za razred  Niska - STEM :  57.54331
## Očekivane frekvencije za razred  Srednja - Business&Economics :  50.07874
## Očekivane frekvencije za razred  Srednja - Law & International Affairs :  33.80315
## Očekivane frekvencije za razred  Srednja - Social Studies&Humanities :  68.02362
## Očekivane frekvencije za razred  Srednja - STEM :  60.09449
## Očekivane frekvencije za razred  Visoka - Business&Economics :  21.9685
## Očekivane frekvencije za razred  Visoka - Law & International Affairs :  14.82874
## Očekivane frekvencije za razred  Visoka - Social Studies&Humanities :  29.84055
## Očekivane frekvencije za razred  Visoka - STEM :  26.3622
```

Sve očekivane frekvencije su veće od 5. Možemo nastaviti sa χ^2 testom.

```
chisq.test(kontigencijska_tabl,correct=F)
```

```
##
##  Pearson's Chi-squared test
##
## data:  kontigencijska_tabl
## X-squared = 20.041, df = 6, p-value = 0.002724
```

P-vrijednost manje je od prije definirane vrijednosti 0.05, ona iznosti 0.002724 te iz tog razloga odbacijemo nultu hipotezu u korist alternativne. Postoji statistički značajna veza između zanimanja sudionika i interesa za gaming to jest područje zanimanja sudionika i njegov interes za gaming zavisne su varijable.

Provjera primjenom jednofaktorske ANOVE

Sada ćemo nastaviti sa drugim pristupom ovom pitanju, primjenom jednofaktorske ANOVE gdje ne gledamo ocjene kao kategorijsku varijabu nego nuemričku.

ANOVA (engl. *ANalysis Of VAriance*) metoda je kojom testiramo sredive više populacija te pretpostavlja da je ukupna varijabilnost u podatcima posljedica varijabilnosti podataka unutar svakog pojedine grupe (populacije) i varijabilnosti između različitih grupa. Varijabilnost unutar pojedinog uzorka je rezultat slučajnosti, a ako postoje razlike u sredinama populacija, one će biti odražene u varijabilnosti među grupama. Jedan od glavnih ciljeva analize varijance je ustanoviti jesu li upravo te razlike između grupa samo posljedica slučajnosti ili je statistički značajna.

U jednofaktorskom ANOVA modelu razmatra se utjecaj jednog faktora koji ima k razina. Neka su:

$$X_{11}, X_{12}, \ldots, X_{1n_1} \sim N(\mu_1, \sigma^2)$$
$$X_{21}, X_{22}, \ldots, X_{2n_2} \sim N(\mu_2, \sigma^2)$$
$$\vdots$$
$$X_{k1}, X_{k2}, \ldots, X_{kn_k} \sim N(\mu_k, \sigma^2)$$

nezavisni uzorci iz k različitih populacija (populacije se razlikuju upravo po razini faktora od interesa). Jednofaktorski ANOVA model glasi:

$$X_{ij} = \mu_i + \epsilon_{ij},$$

gdje je μ_i sredina svake populacije $i = 1, .., k$. Analizom varijance testiramo:

$$H_0 : \mu_1 = \mu_2 = \ldots = \mu_k$$
$$H_1 : \text{barem dvije sredine nisu iste.}$$

Kako bi krenuli s analizom ANOVE moramo ispitati njene pretpostavke, a to su: 1. nezavisnost pojedinih podataka u uzorcima 2. normalna razdioba podataka 3. homogenost varijanci među populacijama

Nezavisnost podataka u populacijama smo osigurali kategorizacijom područja zanimanja iz tog razloga je taj uvjet ispunjen. Nastavljamo sa uvjetom homogenosti varijanic među populacijama. Ova pretpostavka je važna kako bi ANOVA bila pouzdana, a njezino kršenje može dovesti do netočnih rezultata. Što se tiče homogenosti varijanci različitih populacija, potrebno je testirati:

$$H_0 : \sigma_1^2 = \sigma_2^2 = \ldots = \sigma_k^2$$
$$H_1 : \text{barem dvije varijance nisu iste.}$$

Navedenu hipotezu možemo testirati Bartlettovim testom. Bartlettov test u R-u implementiran je naredbom `bartlett.test()`.

```r
# Testiranje homogenosti varijance uzoraka Bartlettovim testom
bartlett.test(df_field_gaming$gaming ~ df_field_gaming$field)
```

```
##
##  Bartlett test of homogeneity of variances
##
## data:  df_field_gaming$gaming by df_field_gaming$field
## Bartlett's K-squared = 0.3714, df = 3, p-value = 0.9461
```

```r
var((df_field_gaming$gaming[df_field_gaming$field=='Business&Economics']))
```

```
## [1] 6.026261
```

```r
var((df_field_gaming$gaming[df_field_gaming$field=='Law & International Affairs']))
```

```
## [1] 5.835494
```

```r
var((df_field_gaming$gaming[df_field_gaming$field=='Social Studies&Humanities']))
```

```
## [1] 6.207756
```

```r
var((df_field_gaming$gaming[df_field_gaming$field=='STEM']))
```

```
## [1] 6.517483
```

Dobivena p-vrijednost Barlettovim testom, 0.9461, ukazuje na to da nema dovoljno statističkih dokaza da varijance nisu jednake. Stoga, zaključujemo i da nema dovoljno dokaza da su varijance različite među populacijama koje predstavljaju različita područja zanimanja sudionika. Ovo podržava homogenost varijanci - na temelju rezultata ne odbacujemo nultu hipotezu.

Potrebno je još provjeriti pretpostavku normalnosti. Provjera normalnosti može se za svaku pojedinu grupu napraviti Kolmogorov-Smirnov testom ili Lillieforsovom inačicom Kolmogorov-Smirnov testa.

```r
require(nortest)
```

```
## Loading required package: nortest
```

```r
lillie.test(df_field_gaming$gaming)
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
```

```
##
## data:  df_field_gaming$gaming
## D = 0.16581, p-value < 2.2e-16
```

```
lillie.test(df_field_gaming$gaming[df_field_gaming$field=='Business&Economics'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$gaming[df_field_gaming$field == "Business&Economics"]
## D = 0.13496, p-value = 1.339e-05
```

```
lillie.test(df_field_gaming$gaming[df_field_gaming$field=='Law & International Affairs'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$gaming[df_field_gaming$field == "Law & International Affairs"]
## D = 0.17144, p-value = 3.51e-06
```

```
lillie.test(df_field_gaming$gaming[df_field_gaming$field=='Social Studies&Humanities'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$gaming[df_field_gaming$field == "Social Studies&Humanities"]
## D = 0.22313, p-value < 2.2e-16
```

```
lillie.test(df_field_gaming$gaming[df_field_gaming$field=='STEM'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$gaming[df_field_gaming$field == "STEM"]
## D = 0.17914, p-value = 2.896e-12
```

```
hist(df_field_gaming$gaming[df_field_gaming$field=='Business&Economics'])
```

df_field_gaming$gaming[df_field_gaming$field == "Business&Economics"]

```
hist(df_field_gaming$gaming[df_field_gaming$field=='Law & International Affairs'])
```
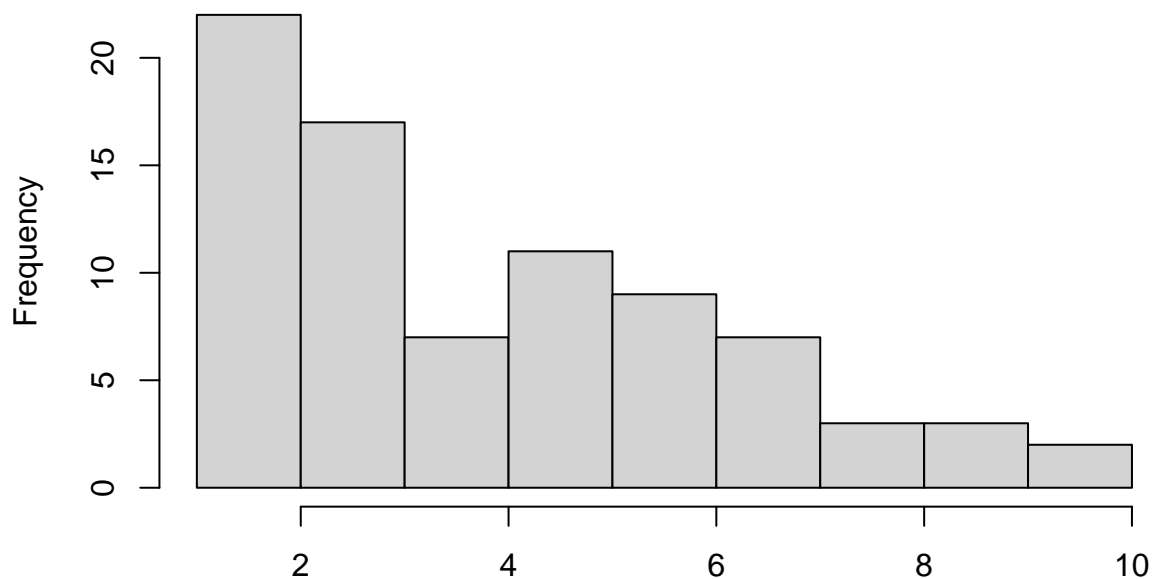
df_field_gaming$gaming[df_field_gaming$field == "Law & International Affairs"]

```
hist(df_field_gaming$gaming[df_field_gaming$field=='Social Studies&Humanities'])
```

df_field_gaming$gaming[df_field_gaming$field == "Social Studies&Humanities"]

```
hist(df_field_gaming$gaming[df_field_gaming$field=='STEM'])
```

Histogram of df_field_gaming$gaming[df_field_gaming$field == "STE

df_field_gaming$gaming[df_field_gaming$field == "STEM"]

Testiranjem normalnosti zaključujemo da nije zadovoljen uvjet normalnosti jer je p-vrijednost testa manja od odabrane razine značajnosti, 0.05. Kao sljedeći korak pokušat ćemo transformirati podatke kako bismo ih približili normalnoj distribuciji - koristit više transformacijskih tehnika te odabrati najboljju. Ovdje je

prikzana logaritamska transformacija. Nakon transformacije ćemo provesti test normalnosti.

```
df_field_gaming$log_gaming <- log(df_field_gaming$gaming)

require(nortest)
lillie.test(df_field_gaming$log_gaming)
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$log_gaming
## D = 0.1776, p-value < 2.2e-16
```

```
lillie.test(df_field_gaming$log_gaming[df_field_gaming$field=='Business&Economics'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$log_gaming[df_field_gaming$field == "Business&Economics"]
## D = 0.18357, p-value = 1.077e-10
```

```
lillie.test(df_field_gaming$log_gaming[df_field_gaming$field=='Law & International Affairs'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$log_gaming[df_field_gaming$field == "Law & International Affairs"]
## D = 0.14753, p-value = 0.0001609
```

```
lillie.test(df_field_gaming$log_gaming[df_field_gaming$field=='Social Studies&Humanities'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$log_gaming[df_field_gaming$field == "Social Studies&Humanities"]
## D = 0.26234, p-value < 2.2e-16
```

```
lillie.test(df_field_gaming$log_gaming[df_field_gaming$field=='STEM'])
```

```
##
##  Lilliefors (Kolmogorov-Smirnov) normality test
##
## data:  df_field_gaming$log_gaming[df_field_gaming$field == "STEM"]
## D = 0.13994, p-value = 2.756e-07
```

```
hist(df_field_gaming$log_gaming[df_field_gaming$field=='Business&Economics'])
```

df_field_gaming$log_gaming[df_field_gaming$field == "Business&Economics"]

```
hist(df_field_gaming$log_gaming[df_field_gaming$field=='Law & International Affairs'])
```
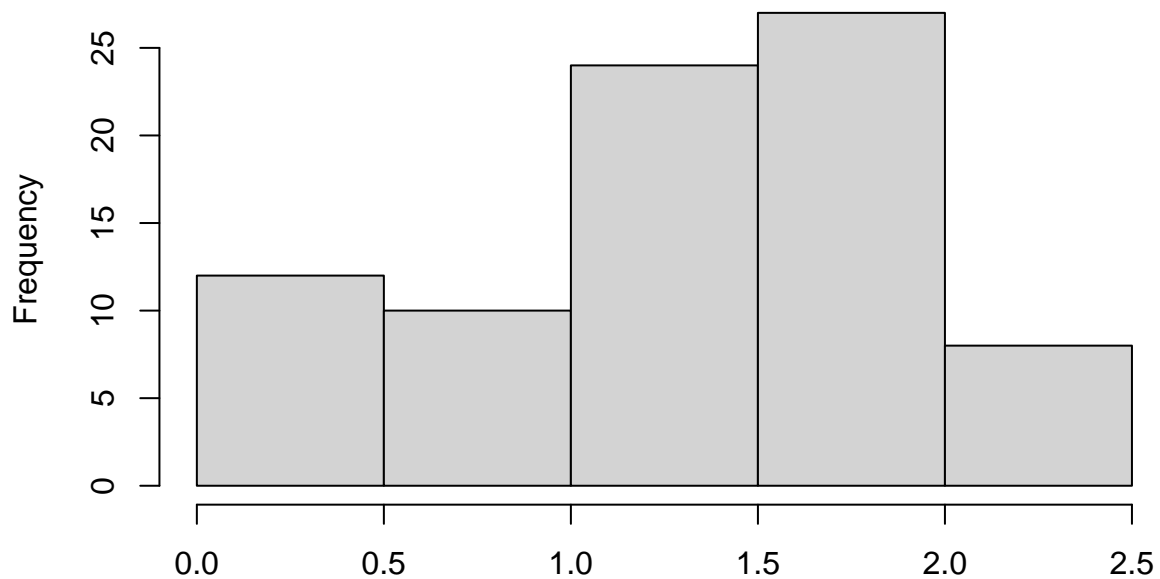
df_field_gaming$log_gaming[df_field_gaming$field == "Law & International Affairs"]

```
hist(df_field_gaming$log_gaming[df_field_gaming$field=='Social Studies&Humanities'])
```

df_field_gaming$log_gaming[df_field_gaming$field == "Social Studies&Humanities"

```
hist(df_field_gaming$log_gaming[df_field_gaming$field=='STEM'])
```

Histogram of df_field_gaming$log_gaming[df_field_gaming$field == "ST

df_field_gaming$log_gaming[df_field_gaming$field == "STEM"]

Ekspermentiranjem sa transformacijskim tehnika nismo uspjeli transformirati ocjene interesa za gaming kako bismo potvrdili pretpostavku normalnosti podataka. Iz tog razloga ne možemo nastaviti sa provedbom ANOVA testa jer nisu ispunjene sve pretpostavke.

KRUSKAL-WALLISOV TEST

Nastavit ćemo sa neparametarskom alternativom jednofaktorske analize varijance koja se koristi kada nisu zadovoljene pretpostavke parametarske anove kao u našem slučaju.

Hipotete Kruskal-Wallisovog testa su:

$$H_0 : M_1 = M_2 = \ldots = M_k$$

$$H_1 : \text{barem dva medijana nisu ista.}$$

M_k su medijani uzoraka

```
require(nortest)
kruskal.test(df_field_gaming$gaming ~ df_field_gaming$field, data = df_field_gaming)
```

```
##
##  Kruskal-Wallis rank sum test
##
## data:  df_field_gaming$gaming by df_field_gaming$field
## Kruskal-Wallis chi-squared = 15.92, df = 3, p-value = 0.001177
```

Testiranjem smo dobili da je p-vrijednost 0.001117 te zaključujemo da možemo odbaciti nultu hipotezu u korist alternative - barem dva medijana nisu jednaka.

```
# Graficki prikaz podataka
boxplot(df_field_gaming$gaming ~ df_field_gaming$field)
```
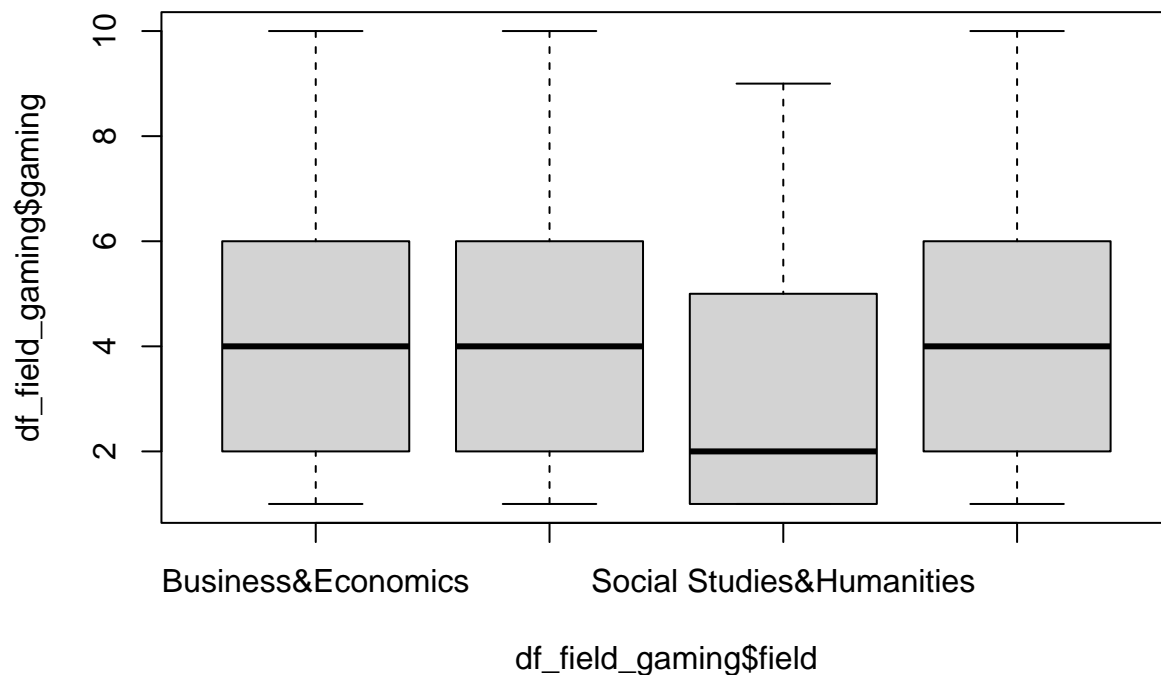

Rezultat Kruskal-Wallisovog testa vidljiv je također na prikazanom box plotu. U drugom načinu pristupa pitanju postoji li razlika za interes za gaming prema području zanimanja sudionika došli smo do zaključka da razlika postoji.

Drugim riječima, postoji statistički značajna razlika između ocjena interesa za gaming prema području zanimanja sudionika.

Treće istraživacko pitanje glasi : Možemo li temeljem drugih varijabli predvidjeti hoće li speed date biti uspješniji?

Čišćenje dataset:

Nepostojeće vrijednosti:

```
# sum(is.na(dates$attractive_o))
# sum(is.na(dates$sincere_o))
# sum(is.na(dates$intelligence_o))
# sum(is.na(dates$funny_o))
# sum(is.na(dates$ambitious_o))
# sum(is.na(dates$shared_interests_o))
# sum(is.na(dates$attractive_partner))
# sum(is.na(dates$sincere_partner))
# sum(is.na(dates$intelligence_partner))
# sum(is.na(dates$funny_partner))
# sum(is.na(dates$ambition_partner))
# sum(is.na(dates$shared_interests_partner))
# sum(is.na(dates$like))
# sum(is.na(dates$guess_prob_liked))
# sum(is.na(dates$met))
# sum(is.na(dates$decision))

na_count_per_column <- sapply(dates, function(x) sum(is.na(x)))
data.frame(Column = names(na_count_per_column), NA_Count = na_count_per_column)
```

```
##                                            Column NA_Count
## date_id                                   date_id        0
## participant_id                     participant_id        0
## partner_id                             partner_id        0
## attractive_o                         attractive_o      176
## sincere_o                               sincere_o      247
## intelligence_o                     intelligence_o      268
## funny_o                                   funny_o      321
## ambitious_o                           ambitious_o      678
## shared_interests_o             shared_interests_o     1029
## attractive_partner         attractive_partner      176
## sincere_partner               sincere_partner      247
## intelligence_partner     intelligence_partner      268
## funny_partner                   funny_partner      321
## ambition_partner             ambition_partner      678
## shared_interests_partner shared_interests_partner     1029
## like                                         like      213
## guess_prob_liked               guess_prob_liked      278
## met                                           met      343
## decision                                 decision        0
```

```
head(dates[!complete.cases(dates),])
```

```
##     date_id participant_id partner_id attractive_o sincere_o intelligence_o
## 3   100002          10000      10012           10        10             10
## 8   100007          10000      10017            6         7              5
## 25  100024          10002      10014            6        10              8
## 26  100025          10002      10015            7         6              6
## 75  100074          10007      10014            9         9              8
```

```
## 91 100090        10009        10010              7             8             7
##    funny_o ambitious_o shared_interests_o attractive_partner sincere_partner
## 3      10          10                 10                  5               8
## 8       6           8                  6                  4               9
## 25      6          NA                 NA                  9              10
## 26      6           6                  6                  8              10
## 75      9          NA                  7                  6               8
## 91      8           6                  5                  6              10
##    intelligence_partner funny_partner ambition_partner shared_interests_partner
## 3                     9             8                5                        7
## 8                     7             6                5                        6
## 25                   10            10               10                       10
## 26                   10             7                9                        9
## 75                    8             5                6                        7
## 91                   10             6                6                       NA
##    like guess_prob_liked met decision
## 3     7               NA   1        1
## 8     6                7  NA        0
## 25    9               NA   0        0
## 26    8               NA   0        0
## 75    6                5   0        1
## 91    6                3   0        0
```

```r
columns_of_interest <- c("attractive_o", "sincere_o", "intelligence_o", "funny_o", "ambitious_o", "share
                         "attractive_partner", "sincere_partner", "intelligence_partner", "funny_partne
                         "ambition_partner", "shared_interests_partner", "like", "guess_prob_liked", "me
threshold <- length(columns_of_interest) / 2
partially_filtered_dates <- dates[rowSums(is.na(dates[, columns_of_interest])) <= threshold, ]
partially_filtered_dates
```

```
##      date_id participant_id partner_id attractive_o sincere_o intelligence_o
## 1     100000          10000      10010          6.0       8.0            8.0
## 2     100001          10000      10011          7.0       8.0           10.0
## 3     100002          10000      10012         10.0      10.0           10.0
## 4     100003          10000      10013          7.0       8.0            9.0
## 5     100004          10000      10014          8.0       7.0            9.0
## 6     100005          10000      10015          7.0       7.0            8.0
## 7     100006          10000      10016          3.0       6.0            7.0
## 8     100007          10000      10017          6.0       7.0            5.0
## 9     100008          10000      10018          7.0       7.0            8.0
## 10    100009          10000      10019          6.0       6.0            6.0
## 11    100010          10001      10010          8.0       7.0            6.0
## 12    100011          10001      10011          7.0       6.0           10.0
## 13    100012          10001      10012         10.0      10.0           10.0
## 14    100013          10001      10013          9.0       9.0            9.0
## 15    100014          10001      10014         10.0      10.0           10.0
## 16    100015          10001      10015          7.0       8.0            7.0
## 17    100016          10001      10016          5.0       3.0            4.0
## 18    100017          10001      10017          7.0       7.0            7.0
## 19    100018          10001      10018          8.0       6.0            9.0
## 20    100019          10001      10019          6.0       5.0            7.0
## 21    100020          10002      10010          7.0       8.0            6.0
## 22    100021          10002      10011          6.0       7.0           10.0
## 23    100022          10002      10012         10.0      10.0           10.0
## 24    100023          10002      10013          7.0       9.0            8.0
```

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```
## 25  100024      10002      10014         6.0        10.0         8.0
## 26  100025      10002      10015         7.0         6.0         6.0
## 27  100026      10002      10016         6.0         3.0         5.0
## 28  100027      10002      10017         4.0         5.0         6.0
## 29  100028      10002      10018         7.0         7.0         6.0
## 30  100029      10002      10019         5.0         6.0         8.0
## 31  100030      10003      10010         6.0         7.0         8.0
## 32  100031      10003      10011         6.0         5.0        10.0
## 33  100032      10003      10012        10.0        10.0        10.0
## 34  100033      10003      10013         7.0         7.0         7.0
## 35  100034      10003      10014         8.0         8.0         9.0
## 36  100035      10003      10015         6.0         6.0         7.0
## 37  100036      10003      10016         7.0         6.0         3.0
## 38  100037      10003      10017         6.0         7.0         8.0
## 39  100038      10003      10018         7.0         7.0         7.0
## 40  100039      10003      10019         7.0         8.0         8.0
## 41  100040      10004      10010         6.0         8.0         8.0
## 42  100041      10004      10011         6.0         7.0        10.0
## 43  100042      10004      10012        10.0        10.0        10.0
## 44  100043      10004      10013         6.0         8.0         6.0
## 45  100044      10004      10014         5.0         9.0         9.0
## 46  100045      10004      10015         5.0         8.0         7.0
## 47  100046      10004      10016         2.0         3.0         4.0
## 48  100047      10004      10017         5.0         5.0         6.0
## 49  100048      10004      10018         5.0         9.0         9.0
## 50  100049      10004      10019         3.0        10.0         7.0
## 51  100050      10005      10010         7.0         9.0         8.0
## 52  100051      10005      10011         6.0         8.0        10.0
## 53  100052      10005      10012        10.0        10.0        10.0
## 54  100053      10005      10013         6.0         8.0         8.0
## 55  100054      10005      10014         9.0         7.0         9.0
## 56  100055      10005      10015         6.0         6.0         8.0
## 57  100056      10005      10016         5.0         6.0         8.0
## 58  100057      10005      10017         6.0         7.0         8.0
## 59  100058      10005      10018         6.0         7.0         7.0
## 60  100059      10005      10019         7.0        10.0        10.0
## 61  100060      10006      10010         7.0         8.0         8.0
## 62  100061      10006      10011         7.0         9.0        10.0
## 63  100062      10006      10012        10.0        10.0        10.0
## 64  100063      10006      10013         8.0         8.0         9.0
## 65  100064      10006      10014         8.0         7.0         9.0
## 66  100065      10006      10015         8.0         8.0         8.0
## 67  100066      10006      10016         7.0         6.0         5.0
## 68  100067      10006      10017         8.0         7.0         6.0
## 69  100068      10006      10018         9.0         7.0         9.0
## 70  100069      10006      10019         7.0         6.0         8.0
## 71  100070      10007      10010         8.0         7.0         6.0
## 72  100071      10007      10011         8.0         8.0        10.0
## 73  100072      10007      10012        10.0        10.0        10.0
## 74  100073      10007      10013         8.0         8.0         8.0
## 75  100074      10007      10014         9.0         9.0         8.0
## 76  100075      10007      10015         8.0         7.0         7.0
## 77  100076      10007      10016         6.0         4.0         7.0
## 78  100077      10007      10017         9.0         8.0         8.0
```

```
## 79   100078      10007      10018       8.0       7.0         8.0
## 80   100079      10007      10019       8.0      10.0         9.0
## 81   100080      10008      10010       6.0       8.0         7.0
## 82   100081      10008      10011       8.0       8.0        10.0
## 83   100082      10008      10012      10.0      10.0        10.0
## 84   100083      10008      10013       7.0       8.0         7.0
## 85   100084      10008      10014       7.0       9.0         8.0
## 86   100085      10008      10015       6.0       6.0         7.0
## 87   100086      10008      10016       8.0       6.0         7.0
## 88   100087      10008      10017       7.0       7.0         7.0
## 89   100088      10008      10018       6.0       6.0         6.0
## 90   100089      10008      10019       5.0       6.0         6.0
## 91   100090      10009      10010       7.0       8.0         7.0
## 92   100091      10009      10011       1.0       1.0         1.0
## 93   100092      10009      10012      10.0      10.0        10.0
## 94   100093      10009      10013       7.0       8.0         7.0
## 95   100094      10009      10014       6.0       9.0         9.0
## 96   100095      10009      10015        NA       8.0         7.0
## 97   100096      10009      10016       7.0       7.0         4.0
## 98   100097      10009      10017       6.0       6.0         6.0
## 99   100098      10009      10018       7.0       7.0         7.0
## 100  100099      10009      10019       6.0       6.0         6.0
## 101  100100      10010      10000       6.0       9.0         7.0
## 102  100101      10010      10001       5.0       7.0         8.0
## 103  100102      10010      10002       7.0       9.0        10.0
## 104  100103      10010      10003       4.0      10.0         8.0
## 105  100104      10010      10004       5.0       8.0         8.0
## 106  100105      10010      10005       6.0       9.0         7.0
## 107  100106      10010      10006       4.0       8.0         8.0
## 108  100107      10010      10007       5.0       8.0         7.0
## 109  100108      10010      10008       8.0      10.0         9.0
## 110  100109      10010      10009       6.0      10.0        10.0
## 111  100110      10011      10000       7.0       8.0         7.0
## 112  100111      10011      10001       8.0       5.0         6.0
## 113  100112      10011      10002       9.0       7.0         9.0
## 114  100113      10011      10003       8.0       7.0         8.0
## 115  100114      10011      10004       8.0       6.0         6.0
## 116  100115      10011      10005       6.0       9.0         9.0
## 117  100116      10011      10006       6.0       6.0         8.0
## 118  100117      10011      10007       8.0       7.0         7.0
## 119  100118      10011      10008      10.0      10.0        10.0
## 120  100119      10011      10009       1.0       1.0         1.0
## 121  100120      10012      10000       5.0       8.0         9.0
## 122  100121      10012      10001       5.0       8.0         9.0
## 123  100122      10012      10002       7.0       9.0         9.0
## 124  100123      10012      10003       4.0       7.0         8.0
## 125  100124      10012      10004       4.0       6.0         8.0
## 126  100125      10012      10005       4.0       7.0         9.0
## 127  100126      10012      10006       3.0       6.0         8.0
## 128  100127      10012      10007       5.0       8.0         8.0
## 129  100128      10012      10008       5.0      10.0        10.0
## 130  100129      10012      10009       6.0      10.0        10.0
## 131  100130      10013      10000       7.0       6.0         8.0
## 132  100131      10013      10001       7.0       9.0         7.0
```

```
## 133   100132        10013      10002          9.0         7.0          9.0
## 134   100133        10013      10003          8.0        10.0          7.0
## 135   100134        10013      10004          8.0         5.0          5.0
## 136   100135        10013      10005          8.0         6.0          7.0
## 137   100136        10013      10006          7.0         8.0          8.0
## 138   100137        10013      10007          8.0         6.0          5.0
## 139   100138        10013      10008         10.0         9.0          8.0
## 140   100139        10013      10009         10.0        10.0         10.0
## 141   100140        10014      10000          5.0         6.0          7.0
## 142   100141        10014      10001          6.0         8.0          7.0
## 143   100142        10014      10002          9.0        10.0         10.0
## 144   100143        10014      10003          6.0         9.0          8.0
## 145   100144        10014      10004          6.0         7.0          7.0
## 146   100145        10014      10005          5.0         4.0          8.0
## 147   100146        10014      10006          4.0         7.0          7.0
## 148   100147        10014      10007          6.0         8.0          8.0
## 149   100148        10014      10008          5.0        10.0          8.0
## 150   100149        10014      10009          5.0         7.0          7.0
## 151   100150        10015      10000          4.0         9.0          7.0
## 152   100151        10015      10001          8.0         7.0          8.0
## 153   100152        10015      10002          8.0        10.0         10.0
## 154   100153        10015      10003          5.0        10.0          8.0
## 155   100154        10015      10004          5.0         6.0          7.0
## 156   100155        10015      10005          3.0         7.0          6.0
## 157   100156        10015      10006          4.0         8.0          7.0
## 158   100157        10015      10007          6.0         8.0          8.0
## 159   100158        10015      10008          8.0         9.0          9.0
## 160   100159        10015      10009          5.0        10.0          6.0
## 161   100160        10016      10000          7.0         6.0          7.0
## 162   100161        10016      10001          7.0         5.0          9.0
## 163   100162        10016      10002          8.0         9.0         10.0
## 164   100163        10016      10003          7.0        10.0         10.0
## 165   100164        10016      10004          6.0         6.0          8.0
## 166   100165        10016      10005          8.0         8.0          8.0
## 167   100166        10016      10006          7.0         7.0          8.0
## 168   100167        10016      10007          6.0         7.0          8.0
## 169   100168        10016      10008          6.0         8.0          9.0
## 170   100169        10016      10009          5.0        10.0          8.0
## 171   100170        10017      10000          4.0         9.0          7.0
## 172   100171        10017      10001          5.0         8.0          7.0
## 173   100172        10017      10002          7.0         9.0          9.0
## 174   100173        10017      10003          5.0         9.0          9.0
## 175   100174        10017      10004          5.0         5.0          7.0
## 176   100175        10017      10005          4.0         8.0          9.0
## 177   100176        10017      10006          5.0         7.0          8.0
## 178   100177        10017      10007          5.0         6.0          7.0
## 179   100178        10017      10008          6.0         7.0          8.0
## 180   100179        10017      10009          5.0         6.0          6.0
## 181   100180        10018      10000          7.0         6.0          8.0
## 182   100181        10018      10001          7.0         6.0          8.0
## 183   100182        10018      10002          9.0         9.0          9.0
## 184   100183        10018      10003          9.0         8.0         10.0
## 185   100184        10018      10004          7.0         5.0          7.0
## 186   100185        10018      10005          7.0         6.0          8.0
```

```
## 187    100186         10018       10006           6.0        6.0           8.0
## 188    100187         10018       10007           8.0        8.0           5.0
## 189    100188         10018       10008           8.0        5.0           5.0
## 190    100189         10018       10009           9.0        9.0           9.0
## 191    100190         10019       10000           5.0        6.0           6.0
## 192    100191         10019       10001           6.0        7.0           8.0
## 193    100192         10019       10002           8.0        7.0           9.0
## 194    100193         10019       10003           8.0        9.0          10.0
## 195    100194         10019       10004           9.0        6.0           7.0
## 196    100195         10019       10005           8.0        9.0           9.0
## 197    100196         10019       10006           8.0        6.0           7.0
## 198    100197         10019       10007           7.0        6.0           8.0
## 199    100198         10019       10008           7.0        8.0           7.0
## 200    100199         10019       10009           9.0        9.0           8.0
## 201    100200         10020       10039           3.0       10.0          10.0
## 202    100201         10020       10040           5.0        5.0           5.0
## 203    100202         10020       10041           3.0       10.0           9.0
## 204    100203         10020       10042           4.0        5.0           6.0
## 205    100204         10020       10043           6.0        7.0           8.0
## 206    100205         10020       10044           7.0        8.0           8.0
## 207    100206         10020       10045           6.0        7.0          10.0
## 208    100207         10020       10046           9.0        5.0           6.0
## 209    100208         10020       10047           3.0        8.0           5.0
## 210    100209         10020       10048           6.0        7.0           8.0
## 211    100210         10020       10049           5.0        8.0           8.0
## 212    100211         10020       10050           2.0        8.0           8.0
## 213    100212         10020       10051           6.0        6.0           8.0
## 214    100213         10020       10052           6.0        8.0           8.0
## 215    100214         10020       10053           5.0        7.0           7.0
## 216    100215         10020       10054           5.0        8.0          10.0
## 217    100216         10021       10039           4.0       10.0           8.0
## 218    100217         10021       10040           5.0        5.0           5.0
## 219    100218         10021       10041           3.0        6.0           8.0
## 220    100219         10021       10042           4.0        5.0           5.0
## 221    100220         10021       10043           6.0        7.0           6.0
## 222    100221         10021       10044           7.0        7.0           7.0
## 223    100222         10021       10045           5.0        8.0           5.0
## 224    100223         10021       10046            NA        5.0           6.0
## 225    100224         10021       10047           4.0        6.0           6.0
## 226    100225         10021       10048           7.0        8.0           7.0
## 227    100226         10021       10049           6.0        8.0           7.0
## 228    100227         10021       10050           2.0        2.0           3.0
## 229    100228         10021       10051           4.0        6.0           7.0
## 230    100229         10021       10052           6.0        8.0           8.0
## 231    100230         10021       10053           4.0        7.0           7.0
## 232    100231         10021       10054           5.0        8.0           9.0
## 233    100232         10022       10039           5.0        4.0           3.0
## 234    100233         10022       10040           8.0        8.0           8.0
## 235    100234         10022       10041           6.0       10.0           9.0
## 236    100235         10022       10042           4.0        6.0           5.0
## 237    100236         10022       10043           8.0        8.0           8.0
## 238    100237         10022       10044           7.0        8.0           7.0
## 239    100238         10022       10045           6.0        8.0           9.0
## 240    100239         10022       10046           5.0        6.0           6.0
```

```
## 241   100240        10022       10047        4.0        6.0         6.0
## 242   100241        10022       10048        7.0        8.0         8.0
## 243   100242        10022       10049        5.0         NA         7.0
## 244   100243        10022       10050        4.0        6.0         4.0
## 245   100244        10022       10051        7.0        7.0         6.0
## 247   100246        10022       10053        6.0        7.0         7.0
## 248   100247        10022       10054        6.0        9.0        10.0
## 249   100248        10023       10039        5.0       10.0         9.0
## 250   100249        10023       10040        5.0        5.0         5.0
## 251   100250        10023       10041        7.0        6.0         7.0
## 252   100251        10023       10042        5.0        5.0         6.0
## 253   100252        10023       10043        5.0        7.0         8.0
## 254   100253        10023       10044        6.0        6.0         6.0
## 255   100254        10023       10045        7.0        8.0         8.0
## 256   100255        10023       10046        6.0        6.0         6.0
## 257   100256        10023       10047        6.0        8.0         8.0
## 258   100257        10023       10048        7.0        7.0         6.0
## 259   100258        10023       10049        7.0         NA          NA
## 260   100259        10023       10050        7.0        5.0         7.0
## 261   100260        10023       10051        7.0        7.0         9.0
## 262   100261        10023       10052        8.0        8.0         8.0
## 263   100262        10023       10053        8.0        7.0         8.0
## 264   100263        10023       10054        8.0        9.0         9.0
## 265   100264        10024       10039        8.0       10.0         9.0
## 266   100265        10024       10040        5.0        5.0         5.0
## 267   100266        10024       10041        8.0        9.0         7.0
## 268   100267        10024       10042        8.0        5.0         6.0
## 269   100268        10024       10043        7.0        6.0         6.0
## 270   100269        10024       10044        7.0        6.0         6.0
## 271   100270        10024       10045       10.0        8.0         7.0
## 272   100271        10024       10046        6.0        7.0         5.0
## 273   100272        10024       10047        9.0        8.0         7.0
## 274   100273        10024       10048        9.0        8.0         7.0
## 275   100274        10024       10049        7.0         NA          NA
## 276   100275        10024       10050        6.0        4.0         7.0
## 277   100276        10024       10051        8.0        7.0         7.0
## 278   100277        10024       10052        9.0        8.0         8.0
## 279   100278        10024       10053        8.0        9.0         9.0
## 280   100279        10024       10054        8.0        9.0         8.0
## 281   100280        10025       10039        8.0        9.0         9.0
## 282   100281        10025       10040        5.0        5.0         5.0
## 283   100282        10025       10041        7.0        8.0         8.0
## 284   100283        10025       10042        6.0        5.0         7.0
## 285   100284        10025       10043        8.0        7.0         7.0
## 286   100285        10025       10044        7.0        6.0         8.0
## 287   100286        10025       10045       10.0        9.0         9.0
## 288   100287        10025       10046        5.0        6.0         6.0
## 289   100288        10025       10047        9.0        8.0         7.0
## 290   100289        10025       10048        9.0        8.0         7.0
## 291   100290        10025       10049        8.0         NA          NA
## 292   100291        10025       10050        7.0        3.0         5.0
## 293   100292        10025       10051        8.0        7.0         7.0
## 294   100293        10025       10052        9.0        9.0         9.0
## 295   100294        10025       10053        8.0        8.0         7.0
```

```
## 296    100295    10025    10054     8.0     9.0      8.0
## 297    100296    10026    10039     9.0     8.0      6.0
## 298    100297    10026    10040     8.0     8.0      8.0
## 299    100298    10026    10041     8.0     9.0      8.0
## 300    100299    10026    10042     7.0     6.0      5.0
## 301    100300    10026    10043     9.0     7.0      7.0
## 302    100301    10026    10044     8.0     8.0      7.0
## 303    100302    10026    10045     9.0     8.0      8.0
## 304    100303    10026    10046     7.0     5.0      6.0
## 305    100304    10026    10047     8.0     8.0      5.0
## 306    100305    10026    10048     8.0     8.0      7.0
## 307    100306    10026    10049     8.0      NA       NA
## 308    100307    10026    10050     8.0     4.0      4.0
## 309    100308    10026    10051     8.0     7.0      7.0
## 310    100309    10026    10052     8.0     8.0      8.0
## 311    100310    10026    10053     9.0     9.0      8.0
## 312    100311    10026    10054     9.0     8.0      9.0
## 313    100328    10028    10039     5.0     6.0      3.0
## 314    100329    10028    10040     8.0     8.0      8.0
## 315    100330    10028    10041     3.0     8.0      7.0
## 316    100331    10028    10042     4.0     4.0      5.0
## 317    100332    10028    10043     7.0     6.0      7.0
## 318    100333    10028    10044     8.0     8.0      6.0
## 319    100334    10028    10045     6.0     7.0      6.0
## 320    100335    10028    10046     5.0     6.0      5.0
## 321    100336    10028    10047     6.0     8.0      9.0
## 322    100337    10028    10048     7.0     8.0      8.0
## 323    100338    10028    10049     6.0      NA       NA
## 324    100339    10028    10050     5.0     8.0      5.0
## 325    100340    10028    10051     5.0     7.0      6.0
## 326    100341    10028    10052     6.0     8.0      8.0
## 327    100342    10028    10053     5.0     8.0      7.0
## 328    100343    10028    10054     6.0     8.0      8.0
## 329    100344    10029    10039     6.0     6.0      8.0
## 330    100345    10029    10040    10.0    10.0     10.0
## 331    100346    10029    10041     4.0     7.0      7.0
## 332    100347    10029    10042     3.0     4.0      7.0
## 333    100348    10029    10043     7.0     7.0      7.0
## 334    100349    10029    10044     6.0     6.0      6.0
## 335    100350    10029    10045     6.0     8.0      8.0
## 336    100351    10029    10046     9.0     5.0      6.0
## 337    100352    10029    10047     5.0     6.0      5.0
## 338    100353    10029    10048     7.0     7.0      7.0
## 339    100354    10029    10049     6.0      NA       NA
## 340    100355    10029    10050     3.0     5.0      6.0
## 341    100356    10029    10051     6.0     7.0      7.0
## 342    100357    10029    10052     6.0     8.0      8.0
## 343    100358    10029    10053     6.0     8.0      8.0
## 344    100359    10029    10054     7.0     9.0     10.0
## 345    100360    10030    10039     7.0     5.0      4.0
## 346    100361    10030    10040     8.0     8.0      8.0
## 347    100362    10030    10041     8.0     7.0      8.0
## 348    100363    10030    10042     6.0     6.0      6.0
## 349    100364    10030    10043     9.0     7.0      7.0
```

```
## 350     100365        10030        10044           9.0           8.0           8.0
## 351     100366        10030        10045           9.0           6.0           7.0
## 352     100367        10030        10046           7.0           6.0           6.0
## 353     100368        10030        10047           7.0           7.0           7.0
## 354     100369        10030        10048           9.0           7.0           8.0
## 355     100370        10030        10049           8.0           8.0           8.0
## 356     100371        10030        10050           7.0           7.0           7.0
## 357     100372        10030        10051           8.0           8.0           8.0
## 358     100373        10030        10052           8.0           8.0           9.0
## 359     100374        10030        10053           8.0           8.0           8.0
## 360     100375        10030        10054           8.0          10.0          10.0
## 361     100376        10031        10039           8.0          10.0          10.0
## 362     100377        10031        10040          10.0          10.0          10.0
## 363     100378        10031        10041           5.0           9.0          10.0
## 364     100379        10031        10042           5.0           6.0           7.0
## 365     100380        10031        10043           7.0           6.0           6.0
## 366     100381        10031        10044           9.0           8.0           8.0
## 367     100382        10031        10045           8.0           9.0           8.0
## 368     100383        10031        10046           5.0           7.0           7.0
## 369     100384        10031        10047           5.0           6.0           8.0
## 370     100385        10031        10048           7.0           7.0           8.0
## 371     100386        10031        10049            NA            NA            NA
## 372     100387        10031        10050           8.0           7.0           7.0
## 373     100388        10031        10051           6.0           7.0           7.0
## 374     100389        10031        10052           8.0           9.0           9.0
## 375     100390        10031        10053           7.0           8.0           8.0
## 376     100391        10031        10054           6.0           8.0          10.0
## 377     100392        10032        10039           6.0          10.0          10.0
## 378     100393        10032        10040          10.0          10.0          10.0
## 379     100394        10032        10041           6.0          10.0          10.0
## 380     100395        10032        10042           4.0           4.0           7.0
## 381     100396        10032        10043           6.0           7.0           7.0
## 382     100397        10032        10044           6.0           5.0           7.0
## 383     100398        10032        10045           6.0           8.0           7.0
## 384     100399        10032        10046           5.0           6.0           7.0
## 385     100400        10032        10047           5.0           8.0           8.0
## 386     100401        10032        10048           7.0           7.0           8.0
## 387     100402        10032        10049           6.0           8.0           8.0
## 388     100403        10032        10050           6.0           9.0           8.0
## 389     100404        10032        10051           5.0           7.0           6.0
## 390     100405        10032        10052           7.0           9.0           9.0
## 391     100406        10032        10053           5.0           8.0           8.0
## 392     100407        10032        10054           6.0           9.0           9.0
## 393     100408        10033        10039           8.0           7.0           6.0
## 394     100409        10033        10040          10.0          10.0          10.0
## 395     100410        10033        10041           6.0           9.0           7.0
## 396     100411        10033        10042           6.0           5.0           5.0
## 397     100412        10033        10043           8.0           7.0           8.0
## 398     100413        10033        10044           7.0           7.0           7.0
## 399     100414        10033        10045           7.0           7.0           7.0
## 400     100415        10033        10046           5.0           6.0           7.0
## 401     100416        10033        10047           7.0           7.0           7.0
## 402     100417        10033        10048           8.0           8.0           7.0
## 403     100418        10033        10049           7.0           7.0            NA
```

```
## 404   100419          10033          10050            6.0          6.0           8.0
## 405   100420          10033          10051            6.0          6.0           6.0
## 406   100421          10033          10052            8.0          8.0           8.0
## 407   100422          10033          10053            8.0          8.0           7.0
## 408   100423          10033          10054            8.0          9.0          10.0
## 409   100424          10034          10039            5.0          6.0           6.0
## 410   100425          10034          10040           10.0          5.0          10.0
## 411   100426          10034          10041            3.0          8.0           7.0
## 412   100427          10034          10042            7.0          4.0           7.0
## 413   100428          10034          10043            8.0          7.0           8.0
## 414   100429          10034          10044            8.0          6.0           7.0
## 415   100430          10034          10045            8.0          8.0           8.0
## 416   100431          10034          10046            7.0          5.0           6.0
## 417   100432          10034          10047            7.0          7.0           8.0
## 418   100433          10034          10048            8.0          8.0          10.0
## 419   100434          10034          10049            7.0           NA            NA
## 420   100435          10034          10050            8.0          4.0           8.0
## 421   100436          10034          10051            7.0          7.0           8.0
## 422   100437          10034          10052            8.0          7.0           8.0
## 423   100438          10034          10053            8.0          8.0           9.0
## 424   100439          10034          10054            8.0          8.0           8.0
## 425   100440          10035          10039            5.0          8.0           9.0
## 426   100441          10035          10040            5.0          5.0           5.0
## 427   100442          10035          10041            4.0          7.0           7.0
## 428   100443          10035          10042            6.0          5.0           5.0
## 429   100444          10035          10043            7.0          7.0           7.0
## 430   100445          10035          10044            7.0          7.0           8.0
## 431   100446          10035          10045            6.0          7.0           8.0
## 432   100447          10035          10046            6.0          6.0           6.0
## 433   100448          10035          10047            6.0          8.0           7.0
## 434   100449          10035          10048            8.0          8.0           7.0
## 435   100450          10035          10049            7.0           NA            NA
## 436   100451          10035          10050            5.0          6.0           8.0
## 437   100452          10035          10051            6.0          6.0           6.0
## 438   100453          10035          10052            7.0          8.0           8.0
## 439   100454          10035          10053            9.0          8.0           7.0
## 440   100455          10035          10054            6.0          9.0           9.0
## 441   100456          10036          10039            4.0          6.0           8.0
## 442   100457          10036          10040            5.0          5.0           5.0
## 443   100458          10036          10041            4.0          8.0           9.0
## 444   100459          10036          10042            4.0          6.0           7.0
## 445   100460          10036          10043            5.0          5.0           6.0
## 446   100461          10036          10044            6.0          7.0           6.0
## 447   100462          10036          10045            6.0          8.0           9.0
## 448   100463          10036          10046             NA          3.0           8.0
## 449   100464          10036          10047            3.0          6.0           6.0
## 450   100465          10036          10048            6.0          8.0           8.0
## 451   100466          10036          10049            5.0           NA            NA
## 452   100467          10036          10050            2.0          9.0           9.0
## 453   100468          10036          10051            5.0          7.0           6.0
## 454   100469          10036          10052            7.0          8.0           8.0
## 455   100470          10036          10053            6.0          8.0           7.0
## 456   100471          10036          10054            6.0          9.0           9.0
## 457   100472          10037          10039            8.0          9.0          10.0
```

```
## 458   100473      10037   10040      5.0       5.0        5.0
## 459   100474      10037   10041      6.0      10.0        9.0
## 460   100475      10037   10042      4.0       6.0        7.0
## 461   100476      10037   10043      7.0       6.0        6.0
## 462   100477      10037   10044      6.0       6.0        7.0
## 463   100478      10037   10045      8.0       8.0        8.0
## 464   100479      10037   10046      6.0       7.0        7.0
## 465   100480      10037   10047      7.0       7.0        7.0
## 466   100481      10037   10048      8.0       7.0        7.0
## 467   100482      10037   10049       NA        NA         NA
## 468   100483      10037   10050      6.0       8.0        8.0
## 469   100484      10037   10051      7.0       7.0        7.0
## 470   100485      10037   10052      6.0       9.0        9.0
## 471   100486      10037   10053      6.0       8.0        9.0
## 472   100487      10037   10054      8.0      10.0       10.0
## 473   100488      10038   10039      3.0      10.0        9.0
## 474   100489      10038   10040      5.0       5.0        5.0
## 475   100490      10038   10041      4.0       9.0        8.0
## 476   100491      10038   10042      3.0       7.0        7.0
## 477   100492      10038   10043      8.0       5.0        5.0
## 478   100493      10038   10044      5.0       7.0        5.0
## 479   100494      10038   10045      6.0       8.0        7.0
## 480   100495      10038   10046      3.0       7.0        6.0
## 481   100496      10038   10047      3.0       5.0        5.0
## 482   100497      10038   10048      7.0       8.0        7.0
## 483   100498      10038   10049       NA        NA         NA
## 484   100499      10038   10050      1.0       8.0        8.0
## 485   100500      10038   10051      4.0       6.0        6.0
## 486   100501      10038   10052      5.0       8.0        8.0
## 487   100502      10038   10053      3.0       8.0        7.0
## 488   100503      10038   10054      5.0       9.0       10.0
## 489   100504      10039   10020      6.0       8.0        7.0
## 490   100505      10039   10021      5.0       7.0        7.0
## 491   100506      10039   10022      5.0       7.0        6.0
## 492   100507      10039   10023      5.0       6.0        7.0
## 493   100508      10039   10024      7.0       8.0        9.0
## 494   100509      10039   10025      2.0       5.0        5.0
## 495   100510      10039   10026      2.0       6.0        6.0
## 496   100512      10039   10028      4.0       9.0        4.0
## 497   100513      10039   10029      3.0       6.0        6.0
## 498   100514      10039   10030      4.0       6.0        6.0
## 499   100515      10039   10031      4.0       8.0        7.0
## 500   100516      10039   10032      6.0       8.0        7.0
## 501   100517      10039   10033      4.0       4.0        5.0
## 502   100518      10039   10034      6.0       8.0        9.0
## 503   100519      10039   10035      2.0       5.0        2.0
## 504   100520      10039   10036      2.0       4.0        5.0
## 505   100521      10039   10037      2.0       8.0       10.0
## 506   100522      10039   10038      6.0       7.0        9.0
## 507   100523      10040   10020      5.0       8.0        7.0
## 508   100524      10040   10021      4.0       7.0        6.0
## 509   100525      10040   10022      5.0       7.0        7.0
## 510   100526      10040   10023      7.0       8.0         NA
## 511   100527      10040   10024      5.0       8.0        8.0
```

```
## 512    100528    10040    10025    2.0    5.0     5.0
## 513    100529    10040    10026    1.0    6.0     4.0
## 514    100531    10040    10028    4.0    8.0     6.0
## 515    100532    10040    10029    8.0    9.0     8.0
## 516    100533    10040    10030    3.0    6.0     6.0
## 517    100534    10040    10031    7.0    8.0     9.0
## 518    100535    10040    10032    2.0    6.0     7.0
## 519    100536    10040    10033    3.0    4.0     7.0
## 520    100537    10040    10034    5.0    9.0     8.0
## 521    100538    10040    10035    1.0    2.0     2.0
## 522    100539    10040    10036    2.0    5.0     6.0
## 523    100540    10040    10037    1.0    1.0    10.0
## 524    100541    10040    10038    3.0   10.0     9.0
## 525    100542    10041    10020    8.0    9.0     8.0
## 526    100543    10041    10021    5.0    6.0     6.0
## 527    100544    10041    10022    6.0    6.0     7.0
## 528    100545    10041    10023    6.0    8.0      NA
## 529    100546    10041    10024    6.0    7.0     8.0
## 530    100547    10041    10025    2.0    5.0     5.0
## 531    100548    10041    10026    1.0    4.0     6.0
## 532    100550    10041    10028    6.0    8.0     7.0
## 533    100551    10041    10029    6.0    7.0     8.0
## 534    100552    10041    10030    4.0    5.0     6.0
## 535    100553    10041    10031    5.0    6.0     6.0
## 536    100554    10041    10032    6.0    8.0     6.0
## 537    100555    10041    10033    5.0    4.0     5.0
## 538    100556    10041    10034    6.0    8.0     9.0
## 539    100557    10041    10035    2.0    2.0     4.0
## 540    100558    10041    10036    4.0    4.0     6.0
## 541    100559    10041    10037    8.0    8.0    10.0
## 542    100560    10041    10038    5.0    5.0     9.0
## 543    100561    10042    10020    5.0    8.0     8.0
## 544    100562    10042    10021    5.0    7.0     7.0
## 545    100563    10042    10022    5.0    7.0     8.0
## 546    100564    10042    10023    7.0    8.0     8.0
## 547    100565    10042    10024    4.0    5.0    10.0
## 548    100566    10042    10025    2.0    6.0     7.0
## 549    100567    10042    10026    1.0    6.0     7.0
## 550    100569    10042    10028    5.0    7.0     5.0
## 551    100570    10042    10029    4.0    6.0     6.0
## 552    100571    10042    10030    4.0    5.0     6.0
## 553    100572    10042    10031    5.0    7.0     7.0
## 554    100573    10042    10032    5.0    7.0     7.0
## 555    100574    10042    10033    4.0    4.0     6.0
## 556    100575    10042    10034    6.0    8.0     8.0
## 557    100576    10042    10035    1.0    1.0     1.0
## 558    100577    10042    10036    4.0    7.0     8.0
## 559    100578    10042    10037    3.0    7.0    10.0
## 560    100579    10042    10038    7.0    9.0     8.0
## 561    100580    10043    10020    7.0    7.0     8.0
## 562    100581    10043    10021    6.0    8.0     8.0
## 563    100582    10043    10022    7.0    7.0     7.0
## 564    100583    10043    10023    5.0    8.0     8.0
## 565    100584    10043    10024    6.0    7.0     9.0
```

```
## 566    100585         10043         10025          3.0        8.0          7.0
## 567    100586         10043         10026          1.0        3.0          4.0
## 568    100588         10043         10028          8.0        6.0          7.0
## 569    100589         10043         10029          6.0        9.0          7.0
## 570    100590         10043         10030          4.0        6.0          7.0
## 571    100591         10043         10031          5.0        7.0          9.0
## 572    100592         10043         10032          5.0        6.0          6.0
## 573    100593         10043         10033          4.0        6.0          5.0
## 574    100594         10043         10034          5.0        8.0          7.0
## 575    100595         10043         10035          1.0        1.0          1.0
## 576    100596         10043         10036          7.0        6.0          8.0
## 577    100597         10043         10037          5.0       10.0          7.0
## 578    100598         10043         10038          4.0        7.0          7.0
## 579    100599         10044         10020          6.0        8.0          8.0
## 580    100600         10044         10021          6.0        7.0          7.0
## 581    100601         10044         10022          6.0        7.0          7.0
## 582    100602         10044         10023          7.0        7.0          8.0
## 583    100603         10044         10024          6.0        8.0          7.0
## 584    100604         10044         10025          4.0        7.0          6.0
## 585    100605         10044         10026          3.0        6.0          6.0
## 586    100607         10044         10028          6.0        8.0          7.0
## 587    100608         10044         10029          4.0        5.0          5.0
## 588    100609         10044         10030          4.0        5.0          7.0
## 589    100610         10044         10031          8.0        8.0          9.0
## 590    100611         10044         10032          6.0        6.0          7.0
## 591    100612         10044         10033          4.0        5.0          6.0
## 592    100613         10044         10034          7.0        8.0          9.0
## 593    100614         10044         10035          2.0        2.0          5.0
## 594    100615         10044         10036          6.0        4.0          7.0
## 595    100616         10044         10037          6.0        6.0          8.0
## 596    100617         10044         10038          4.0        5.0          7.0
## 597    100618         10045         10020          6.0        8.0          8.0
## 598    100619         10045         10021          8.0        7.0          7.0
## 599    100620         10045         10022          7.0        6.0          7.0
## 600    100621         10045         10023          9.0        8.0          7.0
## 601    100622         10045         10024          7.0        8.0          8.0
## 602    100623         10045         10025          7.0        4.0          5.0
## 603    100624         10045         10026          8.0        7.0          6.0
## 604    100626         10045         10028          8.0        6.0          6.0
## 605    100627         10045         10029          8.0        7.0          7.0
## 606    100628         10045         10030          9.0        6.0          7.0
## 607    100629         10045         10031          8.0        9.0          8.0
## 608    100630         10045         10032          8.0        7.0          9.0
## 609    100631         10045         10033          9.0        8.0          9.0
## 610    100632         10045         10034          8.0        8.0          9.0
## 611    100633         10045         10035          2.0        5.0          4.0
## 612    100634         10045         10036          8.0        5.0          9.0
## 613    100635         10045         10037         10.0        6.0          6.0
## 614    100636         10045         10038          8.0        6.0          9.0
## 615    100637         10046         10020          4.0        7.0          7.0
## 616    100638         10046         10021          5.0        7.0          7.0
## 617    100639         10046         10022          5.0        6.0          7.0
## 618    100640         10046         10023          5.0        7.0          7.0
## 619    100641         10046         10024          3.0        8.0          9.0
```

```
## 620    100642    10046    10025    3.0    7.0    6.0
## 621    100643    10046    10026    1.0    4.0    5.0
## 622    100645    10046    10028    5.0    6.0    6.0
## 623    100646    10046    10029    5.0    5.0    5.0
## 624    100647    10046    10030    2.0    3.0    4.0
## 625    100648    10046    10031    7.0    9.0    8.0
## 626    100649    10046    10032    4.0    5.0    6.0
## 627    100650    10046    10033    3.0    3.0    5.0
## 628    100651    10046    10034    5.0    6.0    8.0
## 629    100652    10046    10035    1.0    3.0    5.0
## 630    100653    10046    10036    3.0    5.0    7.0
## 631    100654    10046    10037    7.0    9.0    7.0
## 632    100655    10046    10038    5.0    5.0    8.0
## 633    100656    10047    10020    7.0    7.0    7.0
## 634    100657    10047    10021    7.0    7.0    7.0
## 635    100658    10047    10022    6.0    6.0    6.0
## 636    100659    10047    10023    7.0    7.0    7.0
## 637    100660    10047    10024    7.0    8.0    8.0
## 638    100661    10047    10025    6.0    5.0    5.0
## 639    100662    10047    10026    4.0    6.0    4.0
## 640    100664    10047    10028    8.0    7.0    8.0
## 641    100665    10047    10029    7.0    7.0    5.0
## 642    100666    10047    10030    8.0    9.0    8.0
## 643    100667    10047    10031    7.0    8.0    7.0
## 644    100668    10047    10032    8.0    7.0    6.0
## 645    100669    10047    10033    5.0    4.0    3.0
## 646    100670    10047    10034    8.0    8.0    7.0
## 647    100671    10047    10035    3.0    1.0    2.0
## 648    100672    10047    10036    8.0    5.0    6.0
## 649    100673    10047    10037    8.0    6.0    5.0
## 650    100674    10047    10038    8.0    5.0    6.0
## 651    100675    10048    10020    9.0    9.0    10.0
## 652    100676    10048    10021    6.0    7.0    7.0
## 653    100677    10048    10022    7.0    7.0    6.0
## 654    100678    10048    10023    6.0    NA     NA
## 655    100679    10048    10024    8.0    8.0    9.0
## 656    100680    10048    10025    5.0    8.0    8.0
## 657    100681    10048    10026    4.0    5.0    4.0
## 658    100683    10048    10028    7.0    5.0    6.0
## 659    100684    10048    10029    8.0    7.0    7.0
## 660    100685    10048    10030    7.0    8.0    8.0
## 661    100686    10048    10031    6.0    8.0    9.0
## 662    100687    10048    10032    6.0    7.0    8.0
## 663    100688    10048    10033    7.0    8.0    8.0
## 664    100689    10048    10034    7.0    9.0    9.0
## 665    100690    10048    10035    4.0    5.0    8.0
## 666    100691    10048    10036    6.0    5.0    5.0
## 667    100692    10048    10037    9.0    9.0    9.0
## 668    100693    10048    10038    5.0    7.0    7.0
## 669    100694    10049    10020    5.0    7.0    7.0
## 670    100695    10049    10021    5.0    6.0    7.0
## 671    100696    10049    10022    6.0    6.0    7.0
## 672    100697    10049    10023    6.0    8.0    NA
## 673    100698    10049    10024    9.0    8.0    9.0
```

```
## 674    100699         10049      10025             7.0         6.0             6.0
## 675    100700         10049      10026             6.0         5.0             6.0
## 676    100702         10049      10028             7.0         7.0             7.0
## 677    100703         10049      10029             7.0         7.0             8.0
## 678    100704         10049      10030             9.0         7.0             8.0
## 679    100705         10049      10031             7.0         8.0             8.0
## 680    100706         10049      10032             7.0         9.0             7.0
## 681    100707         10049      10033             4.0         4.0             6.0
## 682    100708         10049      10034             6.0         8.0             8.0
## 683    100709         10049      10035             5.0         4.0             8.0
## 684    100710         10049      10036             6.0         3.0             6.0
## 685    100711         10049      10037             8.0         8.0             8.0
## 687    100713         10050      10020             7.0         4.0             6.0
## 688    100714         10050      10021             3.0         4.0             5.0
## 689    100715         10050      10022             7.0         6.0             5.0
## 690    100716         10050      10023             6.0         6.0             8.0
## 691    100717         10050      10024             6.0         5.0             8.0
## 692    100718         10050      10025             6.0         7.0             6.0
## 693    100719         10050      10026             1.0         2.0             6.0
## 694    100721         10050      10028             6.0         7.0             7.0
## 695    100722         10050      10029             5.0         5.0             5.0
## 696    100723         10050      10030             4.0         6.0             5.0
## 697    100724         10050      10031             5.0         6.0             7.0
## 698    100725         10050      10032             7.0         5.0             9.0
## 699    100726         10050      10033             3.0         3.0             4.0
## 700    100727         10050      10034             8.0         8.0             6.0
## 701    100728         10050      10035             5.0         2.0             6.0
## 702    100729         10050      10036             7.0         4.0             7.0
## 703    100730         10050      10037             8.0         7.0             9.0
## 704    100731         10050      10038             3.0         1.0             8.0
## 705    100732         10051      10020             5.0         8.0             8.0
## 706    100733         10051      10021             3.0         6.0             7.0
## 707    100734         10051      10022             6.0         6.0             5.0
## 708    100735         10051      10023             4.0          NA              NA
## 709    100736         10051      10024             5.0         4.0             7.0
## 710    100737         10051      10025             2.0         7.0             6.0
## 711    100738         10051      10026             1.0         3.0             7.0
## 712    100740         10051      10028             6.0         8.0             8.0
## 713    100741         10051      10029             3.0         7.0             8.0
## 714    100742         10051      10030             3.0         8.0             8.0
## 715    100743         10051      10031             4.0         7.0             6.0
## 716    100744         10051      10032             9.0         9.0             8.0
## 717    100745         10051      10033             4.0         4.0             5.0
## 718    100746         10051      10034             6.0         7.0            10.0
## 719    100747         10051      10035             1.0         5.0             5.0
## 720    100748         10051      10036             2.0         6.0             6.0
## 721    100749         10051      10037             2.0         9.0             9.0
## 722    100750         10051      10038             3.0         9.0             9.0
## 723    100751         10052      10020             6.0         8.0             7.0
## 724    100752         10052      10021             7.0         7.0             8.0
## 725    100753         10052      10022              NA          NA              NA
## 726    100754         10052      10023             8.0          NA              NA
## 727    100755         10052      10024             7.0         8.0             9.0
## 728    100756         10052      10025             6.0         8.0             8.0
```

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```
## 729   100757        10052       10026            6.0        4.0             8.0
## 730   100759        10052       10028            9.0        8.0             8.0
## 731   100760        10052       10029            7.0        7.0             8.0
## 732   100761        10052       10030            7.0        7.0             7.0
## 733   100762        10052       10031            7.0        6.0             9.0
## 734   100763        10052       10032            8.0        7.0             5.0
## 735   100764        10052       10033            5.0        4.0             6.0
## 736   100765        10052       10034            8.0        8.0             8.0
## 737   100766        10052       10035            9.0        8.0             8.0
## 738   100767        10052       10036            7.0        7.0             7.0
## 739   100768        10052       10037            3.0        9.0             9.0
## 740   100769        10052       10038            8.0        7.0             9.0
## 741   100770        10053       10020            6.0        8.0             7.0
## 742   100771        10053       10021            4.0        5.0             5.0
## 743   100772        10053       10022            6.0        7.0             6.0
## 744   100773        10053       10023            6.0        8.0              NA
## 745   100774        10053       10024            5.0        8.0             8.0
## 746   100775        10053       10025            2.0        8.0             7.0
## 747   100776        10053       10026            2.0        4.0             7.0
## 748   100778        10053       10028            6.0        7.0             6.0
## 749   100779        10053       10029            3.0        5.0             8.0
## 750   100780        10053       10030            4.0        5.0             6.0
## 751   100781        10053       10031            7.0        6.0             9.0
## 752   100782        10053       10032            5.0        6.0             5.0
## 753   100783        10053       10033            4.0        6.0             6.0
## 754   100784        10053       10034            6.0        8.0             8.0
## 755   100785        10053       10035            3.0        4.0             6.0
## 756   100786        10053       10036            4.0        3.0             4.0
## 757   100787        10053       10037            3.0        9.0             9.0
## 758   100788        10053       10038            4.0        8.0             8.0
## 759   100789        10054       10020            5.0        9.0             9.0
## 760   100790        10054       10021            6.0        7.0             7.0
## 761   100791        10054       10022            6.0        8.0             7.0
## 762   100792        10054       10023            8.0        7.0             7.0
## 763   100793        10054       10024            7.0        7.0             7.0
## 764   100794        10054       10025            6.0        6.0             6.0
## 765   100795        10054       10026            5.0        6.0             6.0
## 766   100797        10054       10028            6.0        8.0             7.0
## 767   100798        10054       10029            7.0        7.0             8.0
## 768   100799        10054       10030            9.0        8.0             7.0
## 769   100800        10054       10031            8.0        8.0             7.0
## 770   100801        10054       10032            7.0        7.0             6.0
## 771   100802        10054       10033            4.0        4.0             5.0
## 772   100803        10054       10034            6.0        8.0             8.0
## 773   100804        10054       10035            5.0        6.0             8.0
## 774   100805        10054       10036            5.0        7.0             6.0
## 775   100806        10054       10037            8.0        8.0             8.0
## 776   100807        10054       10038            6.0        7.0             8.0
## 777   100808        10055       10065            7.0        6.0             6.0
## 778   100809        10055       10066            8.0        8.0             7.0
## 779   100810        10055       10067            6.0        4.0             5.0
## 780   100811        10055       10068            7.0        5.0             5.0
## 781   100812        10055       10069            8.0        6.0             7.0
## 782   100813        10055       10070            9.0        8.0             8.0
```

```
## 783    100814        10055        10071        7.0       8.0         7.0
## 784    100815        10055        10072        7.0       7.0         6.0
## 785    100816        10055        10073        8.0      10.0         8.0
## 786    100817        10055        10074        8.0       6.0         6.0
## 787    100818        10056        10065        4.0       7.0         7.0
## 788    100819        10056        10066        5.0      10.0         7.0
## 789    100820        10056        10067        5.0       6.0         6.0
## 790    100821        10056        10068        4.0       7.0         7.0
## 791    100822        10056        10069        5.0       8.0         7.0
## 792    100823        10056        10070        6.0       9.0         8.0
## 793    100824        10056        10071        5.0       8.0         8.0
## 794    100825        10056        10072        6.0       8.0         6.0
## 795    100826        10056        10073        7.0       6.0         6.0
## 796    100827        10056        10074        6.0       8.0         7.0
## 797    100848        10059        10065        5.0       8.0         7.0
## 798    100849        10059        10066        6.0       6.0         5.0
## 799    100850        10059        10067        3.0       6.0         5.0
## 800    100851        10059        10068        4.0       7.0         7.0
## 801    100852        10059        10069        6.0       6.0         6.0
## 802    100853        10059        10070        4.0       8.0         6.0
## 803    100854        10059        10071        5.0       8.0         7.0
## 804    100855        10059        10072        4.0       7.0         6.0
## 805    100856        10059        10073        6.0       8.0         8.0
## 806    100857        10059        10074        5.0       6.0         7.0
## 807    100858        10060        10065        3.0       6.0          NA
## 808    100859        10060        10066        0.0       6.0         5.0
## 809    100860        10060        10067        4.0       6.0         6.0
## 810    100861        10060        10068        2.0       8.0         8.0
## 811    100862        10060        10069        5.0       8.0         9.0
## 812    100863        10060        10070        6.0       6.0         8.0
## 813    100864        10060        10071        5.0       8.0         7.0
## 814    100865        10060        10072        3.0       7.0         7.0
## 815    100866        10060        10073        5.0       9.0        10.0
## 816    100867        10060        10074        6.0       7.0         8.0
## 817    100868        10061        10065        9.0       8.0         8.0
## 818    100869        10061        10066       10.0      10.0        10.0
## 819    100870        10061        10067        8.0       7.0         6.0
## 820    100871        10061        10068        8.0       6.0         8.0
## 821    100872        10061        10069        8.0       6.0         7.0
## 822    100873        10061        10070       10.0       6.0         8.0
## 823    100874        10061        10071        7.0       7.0         7.0
## 824    100875        10061        10072        7.0       7.0         7.0
## 825    100876        10061        10073       10.0       9.0         9.0
## 826    100877        10061        10074        6.0       5.0         6.0
## 827    100878        10062        10065        2.0       6.0         7.0
## 828    100879        10062        10066        5.0       5.0         5.0
## 829    100880        10062        10067        4.0       7.0         7.0
## 830    100881        10062        10068        1.0       6.0         8.0
## 831    100882        10062        10069        5.0       7.0         9.0
## 832    100883        10062        10070        6.0       4.0         6.0
## 833    100884        10062        10071        5.0       8.0         8.0
## 834    100885        10062        10072        4.0       8.0         7.0
## 835    100886        10062        10073        7.0       8.0         7.0
## 836    100887        10062        10074        5.0       6.0         6.0
```

```
## 837     100888          10063       10065          4.0        6.0           6.0
## 838     100889          10063       10066          6.0        6.0           8.0
## 839     100890          10063       10067          3.0        4.0           6.0
## 840     100891          10063       10068          4.0        6.0           8.0
## 841     100892          10063       10069          6.0        6.0           9.0
## 842     100893          10063       10070          7.0        7.0           9.0
## 843     100894          10063       10071          6.0        7.0           8.0
## 844     100895          10063       10072          3.0        7.0           6.0
## 845     100896          10063       10073          8.0        7.0           7.0
## 846     100897          10063       10074          6.0        6.0           7.0
## 847     100898          10064       10065          8.0        8.0           8.0
## 848     100899          10064       10066          7.0        6.0           7.0
## 849     100900          10064       10067          6.0        7.0           6.0
## 850     100901          10064       10068          5.0        6.0           5.0
## 851     100902          10064       10069          7.0        7.0           7.0
## 852     100903          10064       10070          8.0        8.0           9.0
## 853     100904          10064       10071          5.0        7.0           7.0
## 854     100905          10064       10072          6.0        8.0           7.0
## 855     100906          10064       10073          7.0        9.0           8.0
## 856     100907          10064       10074          6.0        7.0           6.0
## 857     100908          10065       10055          2.0        6.0           2.0
## 858     100909          10065       10056          8.0        7.0           7.0
## 859     100912          10065       10059          9.0       10.0          10.0
## 860     100913          10065       10060          5.0        8.0           7.0
## 861     100914          10065       10061          6.0        7.0           7.0
## 862     100915          10065       10062          2.0        7.0           7.0
## 863     100916          10065       10063          7.0        7.0           8.0
## 864     100917          10065       10064          6.0        7.0           8.0
## 865     100918          10066       10055          3.0        9.0           9.0
## 866     100919          10066       10056          8.0        8.0           8.0
## 867     100922          10066       10059          7.0       10.0          10.0
## 868     100923          10066       10060          6.0        8.0           7.0
## 869     100924          10066       10061          8.0        9.0           9.0
## 870     100925          10066       10062          7.0        7.0           7.0
## 871     100926          10066       10063          7.0        7.0           7.0
## 872     100927          10066       10064          6.0        7.0           7.0
## 873     100928          10067       10055          3.0        7.0           5.0
## 874     100929          10067       10056          7.0        6.0           9.0
## 875     100932          10067       10059          5.0        1.0           9.0
## 876     100933          10067       10060          7.0        7.0           8.0
## 877     100934          10067       10061          6.0        7.0           7.0
## 878     100935          10067       10062          7.0        7.0           8.0
## 879     100936          10067       10063          4.0        5.0           7.0
## 880     100937          10067       10064          7.0        7.0           7.0
## 881     100938          10068       10055          5.0       10.0           8.0
## 882     100939          10068       10056          9.0        8.0           7.0
## 883     100942          10068       10059          9.0        9.0          10.0
## 884     100943          10068       10060          8.0        8.0           8.0
## 885     100944          10068       10061          8.0        8.0           8.0
## 886     100945          10068       10062          6.0        7.0           8.0
## 887     100946          10068       10063          7.0        7.0           8.0
## 888     100947          10068       10064          7.0        7.0           7.0
## 889     100948          10069       10055          4.0        7.0           9.0
## 890     100949          10069       10056          8.0       10.0          10.0
```

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## 891    100952         10069        10059           6.0         10.0          10.0
## 892    100953         10069        10060           6.0          5.0           6.0
## 893    100954         10069        10061           7.0          7.0           8.0
## 894    100955         10069        10062           6.0          6.0           9.0
## 895    100956         10069        10063           5.0          6.0           8.0
## 896    100957         10069        10064           7.0          7.0           8.0
## 897    100958         10070        10055           3.0         10.0           8.0
## 898    100959         10070        10056          10.0          9.0           9.0
## 899    100962         10070        10059           2.0         10.0          10.0
## 900    100963         10070        10060           6.0          9.0           8.0
## 901    100964         10070        10061           7.0          8.0           8.0
## 902    100965         10070        10062           1.0          7.0           5.0
## 903    100966         10070        10063           5.0          6.0           6.0
## 904    100967         10070        10064           5.0          7.0           7.0
## 905    100968         10071        10055           3.0         10.0           5.0
## 906    100969         10071        10056          10.0         10.0          10.0
## 907    100972         10071        10059          10.0          4.0           8.0
## 908    100973         10071        10060           7.0          7.0           8.0
## 909    100974         10071        10061           7.0          7.0           6.0
## 910    100975         10071        10062           3.0          8.0           5.0
## 911    100976         10071        10063           6.0          6.0           7.0
## 912    100977         10071        10064           7.0          7.0           7.0
## 913    100978         10072        10055           4.0         10.0           9.0
## 914    100979         10072        10056          10.0         10.0          10.0
## 915    100982         10072        10059           7.0         10.0          10.0
## 916    100983         10072        10060           6.0          5.0           7.0
## 917    100984         10072        10061           7.0          8.0           8.0
## 918    100985         10072        10062           4.0          5.0           5.0
## 919    100986         10072        10063           6.0          6.0           7.0
## 920    100987         10072        10064           7.0          7.0           7.0
## 921    100988         10073        10055           3.0         10.0           7.0
## 922    100989         10073        10056           8.0          9.0          10.0
## 923    100992         10073        10059           9.0         10.0          10.0
## 924    100993         10073        10060           5.0          8.0           8.0
## 925    100994         10073        10061           6.0          8.0           8.0
## 926    100995         10073        10062           3.0          8.0           8.0
## 927    100996         10073        10063           6.0          6.0           6.0
## 928    100997         10073        10064           7.0          7.0           7.0
## 929    100998         10074        10055           3.0         10.0           9.0
## 930    100999         10074        10056           8.0          8.0          10.0
## 931    101002         10074        10059           2.0         10.0          10.0
## 932    101003         10074        10060           6.0          8.0           8.0
## 933    101004         10074        10061           7.0          7.0           8.0
## 934    101005         10074        10062           3.0          7.0           4.0
## 935    101006         10074        10063           8.0          6.0           8.0
## 936    101007         10074        10064           5.0          8.0           7.0
## 937    101008         10075        10093           6.0          6.0           6.0
## 938    101009         10075        10094           6.0          6.0           7.0
## 939    101010         10075        10095           6.0          7.0           7.0
## 940    101011         10075        10096           4.0          6.0           7.0
## 941    101012         10075        10097          10.0         10.0          10.0
## 942    101013         10075        10098           4.0          7.0           8.0
## 943    101014         10075        10099           4.0          7.0           8.0
## 944    101015         10075        10100           7.0          7.0           8.0
```

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## 945    101016        10075        10101          5.0        7.0            8.0
## 946    101017        10075        10102          6.0        8.0            9.0
## 947    101018        10075        10103          6.0        8.0            7.0
## 948    101019        10075        10104          7.0        7.0            8.0
## 949    101020        10075        10105          8.0        3.0            7.0
## 950    101021        10075        10106          9.0        9.0            9.0
## 951    101022        10075        10107          7.0        7.0            8.0
## 952    101023        10075        10108          8.0       10.0            8.0
## 953    101024        10075        10109          6.0        6.0            8.0
## 954    101025        10075        10110          3.0        4.0            8.0
## 955    101026        10076        10093          8.0        8.0            7.0
## 956    101027        10076        10094          4.0        6.0            5.0
## 957    101028        10076        10095          7.0        7.0            7.0
## 958    101029        10076        10096          6.0        9.0            9.0
## 959    101030        10076        10097         10.0       10.0           10.0
## 960    101031        10076        10098          8.0        8.0            9.0
## 961    101032        10076        10099          8.0        7.0            6.0
## 962    101033        10076        10100          7.0         NA            6.0
## 963    101034        10076        10101          4.0        5.0            6.0
## 964    101035        10076        10102          6.0        7.0            7.0
## 965    101036        10076        10103          6.0        6.0            6.0
## 966    101037        10076        10104          8.0        7.0            8.0
## 967    101038        10076        10105          7.0        5.0            7.0
## 968    101039        10076        10106          6.0        8.0            8.0
## 969    101040        10076        10107          9.0        6.0            7.0
## 970    101041        10076        10108          7.0       10.0            8.0
## 971    101042        10076        10109          6.0        7.0            8.0
## 972    101043        10076        10110          6.0        7.0            7.0
## 973    101044        10077        10093          7.0        5.0            6.0
## 974    101045        10077        10094          5.0        6.0            7.0
## 975    101046        10077        10095          6.0        6.0            6.0
## 976    101047        10077        10096          8.0        7.0            8.0
## 977    101048        10077        10097         10.0       10.0           10.0
## 978    101049        10077        10098          4.0        4.0            3.0
## 979    101050        10077        10099          8.0        8.0            7.0
## 980    101051        10077        10100          7.0         NA            6.0
## 981    101052        10077        10101          5.0        5.0            6.0
## 982    101053        10077        10102          6.0        7.0            6.0
## 983    101054        10077        10103          6.0        8.0            6.0
## 984    101055        10077        10104          5.0        8.0            8.0
## 985    101056        10077        10105         10.0       10.0           10.0
## 986    101057        10077        10106          6.5        7.0            6.5
## 987    101058        10077        10107          7.0        7.0            5.0
## 988    101059        10077        10108          7.0       10.0            8.0
## 989    101060        10077        10109          5.0        5.0            7.0
## 990    101061        10077        10110          4.0        4.0            5.0
## 991    101062        10078        10093          7.0        7.0            8.0
## 992    101063        10078        10094          4.0        7.0            7.0
## 993    101064        10078        10095          8.0        9.0            9.0
## 994    101065        10078        10096          5.0        7.0            8.0
## 995    101066        10078        10097         10.0       10.0           10.0
## 996    101067        10078        10098          6.0        7.0            8.0
## 997    101068        10078        10099          4.0        8.0            8.0
## 998    101069        10078        10100          6.0        8.0            8.0
```

```
## 999   101070        10078        10101          4.0       4.0          4.0
## 1000  101071        10078        10102          5.0       7.0          8.0
## 1001  101072        10078        10103          6.0       8.0          7.0
## 1002  101073        10078        10104          5.0       9.0          8.0
## 1003  101074        10078        10105          8.0      10.0         10.0
## 1004  101075        10078        10106          6.0       8.0          9.0
## 1005  101076        10078        10107          7.0       8.0          7.0
## 1006  101077        10078        10108          7.0      10.0          7.0
## 1007  101078        10078        10109          5.0       8.0          9.0
## 1008  101079        10078        10110          3.0       6.0          5.0
## 1009  101080        10079        10093          6.0       7.0          7.0
## 1010  101081        10079        10094          5.0       8.0          7.0
## 1011  101082        10079        10095          6.0       7.0          7.0
## 1012  101083        10079        10096          4.0       6.0          7.0
## 1013  101084        10079        10097         10.0      10.0         10.0
## 1014  101085        10079        10098          5.0       4.0          6.0
## 1015  101086        10079        10099          6.0       9.0          8.0
## 1016  101087        10079        10100          6.0       8.0          7.0
## 1017  101088        10079        10101         10.0       9.0          8.0
## 1018  101089        10079        10102          7.0       8.0          8.0
## 1019  101090        10079        10103          6.0       9.0          8.0
## 1020  101091        10079        10104          6.0       9.0          9.0
## 1021  101092        10079        10105          8.0      10.0          7.0
## 1022  101093        10079        10106          6.0       8.0          8.0
## 1023  101094        10079        10107          6.0       8.0          8.0
## 1024  101095        10079        10108          7.0      10.0          7.0
## 1025  101096        10079        10109          6.0       8.0          8.0
## 1026  101097        10079        10110          5.0       5.0          6.0
## 1027  101098        10080        10093          9.0       8.0          8.0
## 1028  101099        10080        10094          6.0       6.0          6.0
## 1029  101100        10080        10095          7.0       7.0          7.0
## 1030  101101        10080        10096          7.0       7.0          8.0
## 1031  101102        10080        10097         10.0      10.0         10.0
## 1032  101103        10080        10098          8.0       7.0          7.0
## 1033  101104        10080        10099          9.0       8.0          9.0
## 1034  101105        10080        10100          8.0       8.0          7.0
## 1035  101106        10080        10101         10.0       9.0          7.0
## 1036  101107        10080        10102          8.0       8.0          8.0
## 1037  101108        10080        10103          8.0       6.0          7.0
## 1038  101109        10080        10104          8.0       7.0          9.0
## 1039  101110        10080        10105          9.0       5.0          6.0
## 1040  101111        10080        10106         10.0       9.0          9.0
## 1041  101112        10080        10107          8.0       7.0          6.0
## 1042  101113        10080        10108          8.0      10.0          8.0
## 1043  101114        10080        10109          5.0       5.0          8.0
## 1044  101115        10080        10110          4.0       4.0          7.0
## 1045  101116        10081        10093          9.0       9.0          8.0
## 1046  101117        10081        10094          4.0       6.0          5.0
## 1047  101118        10081        10095          7.0       8.0          8.0
## 1048  101119        10081        10096          5.0       6.0          6.0
## 1049  101120        10081        10097         10.0      10.0         10.0
## 1050  101121        10081        10098          4.0       8.0          7.0
## 1051  101122        10081        10099          6.0       9.0          9.0
## 1052  101123        10081        10100          9.0       8.0          8.0
```

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## 1053   101124         10081       10101          6.0          5.0            8.0
## 1054   101125         10081       10102          6.0          7.0            6.0
## 1055   101126         10081       10103          7.0          8.0            7.0
## 1056   101127         10081       10104          8.0          7.0            7.0
## 1057   101128         10081       10105          6.0         10.0            5.0
## 1058   101129         10081       10106          8.0          8.0            8.0
## 1059   101130         10081       10107          6.0          7.0            6.0
## 1060   101131         10081       10108          7.0         10.0            8.0
## 1061   101132         10081       10109          6.0          8.0            9.0
## 1062   101133         10081       10110          5.0          6.0            5.0
## 1063   101134         10082       10093          7.0          7.0            7.0
## 1064   101135         10082       10094          7.0          7.0            8.0
## 1065   101136         10082       10095          7.0          7.0            7.0
## 1066   101137         10082       10096          7.0          6.0            7.0
## 1067   101138         10082       10097         10.0         10.0           10.0
## 1068   101139         10082       10098          6.0          7.0            8.0
## 1069   101140         10082       10099          5.0          9.0            8.0
## 1070   101141         10082       10100          8.0          8.0            8.0
## 1071   101142         10082       10101         10.0          9.0            8.0
## 1072   101143         10082       10102          8.0          8.0            8.0
## 1073   101144         10082       10103          7.0          6.0            6.0
## 1074   101145         10082       10104          8.0          9.0            8.0
## 1075   101146         10082       10105         10.0         10.0           10.0
## 1076   101147         10082       10106          9.0         10.0            9.0
## 1077   101148         10082       10107          6.0          7.0            5.0
## 1078   101149         10082       10108          7.0         10.0            8.0
## 1079   101150         10082       10109          7.0          8.0            9.0
## 1080   101151         10082       10110          3.0          7.0            6.0
## 1081   101152         10083       10093          6.0          7.0            6.0
## 1082   101153         10083       10094          5.0          7.0            6.0
## 1083   101154         10083       10095          7.0          7.0            8.0
## 1084   101155         10083       10096          7.0          7.0            7.0
## 1085   101156         10083       10097         10.0         10.0           10.0
## 1086   101157         10083       10098          4.0          6.0            7.0
## 1087   101158         10083       10099          5.0          8.0            9.0
## 1088   101159         10083       10100          8.0          9.0            8.0
## 1089   101160         10083       10101          9.0          8.0            7.0
## 1090   101161         10083       10102          7.0          7.0            9.0
## 1091   101162         10083       10103          6.0          6.0            6.0
## 1092   101163         10083       10104          7.0          9.0            9.0
## 1093   101164         10083       10105         10.0         10.0           10.0
## 1094   101165         10083       10106          7.0          7.0            8.5
## 1095   101166         10083       10107          7.0          8.0            9.0
## 1096   101167         10083       10108          7.0         10.0            8.0
## 1097   101168         10083       10109          8.0          6.0            7.0
## 1098   101169         10083       10110          2.0          6.0            6.0
## 1099   101170         10084       10093          7.0          7.0            7.0
## 1100   101171         10084       10094          5.0          7.0            6.0
## 1101   101172         10084       10095          7.0          7.0            7.0
## 1102   101173         10084       10096          6.0          6.0            6.0
## 1103   101174         10084       10097         10.0         10.0           10.0
## 1104   101175         10084       10098          5.0          7.0            9.0
## 1105   101176         10084       10099          7.0          9.0            9.0
## 1106   101177         10084       10100          7.0          7.0            7.0
```

```
## 1107  101178        10084       10101        5.0        6.0          7.0
## 1108  101179        10084       10102        6.0        7.0          8.0
## 1109  101180        10084       10103        6.0        8.0          6.0
## 1110  101181        10084       10104        7.0        7.0          8.0
## 1111  101182        10084       10105        6.0       10.0          6.0
## 1112  101183        10084       10106        8.0        8.0          7.0
## 1113  101184        10084       10107        7.0        7.0          6.0
## 1114  101185        10084       10108        7.0       10.0          8.0
## 1115  101186        10084       10109        6.0        8.0          8.0
## 1116  101187        10084       10110        3.0        8.0          7.0
## 1117  101188        10085       10093        6.0        8.0          8.0
## 1118  101189        10085       10094        8.0        8.0          8.0
## 1119  101190        10085       10095        8.0        8.0          9.0
## 1120  101191        10085       10096        8.0        8.0          8.0
## 1121  101192        10085       10097       10.0       10.0         10.0
## 1122  101193        10085       10098        5.0        8.0          7.0
## 1123  101194        10085       10099        8.0       10.0          9.0
## 1124  101195        10085       10100        9.0        8.0          8.0
## 1125  101196        10085       10101        6.0        8.0          8.0
## 1126  101197        10085       10102        6.0        7.0          7.0
## 1127  101198        10085       10103        7.0        7.0          7.0
## 1128  101199        10085       10104        8.0        8.0          8.0
## 1129  101200        10085       10105        8.0        6.0          7.0
## 1130  101201        10085       10106        8.0        8.0          8.0
## 1131  101202        10085       10107        8.0        6.0          8.0
## 1132  101203        10085       10108        7.0       10.0          8.0
## 1133  101204        10085       10109        7.0        8.0          9.0
## 1134  101205        10085       10110        5.0        6.0          7.0
## 1135  101206        10086       10093        7.0        7.0          7.0
## 1136  101207        10086       10094        6.0        7.0          6.0
## 1137  101208        10086       10095        7.0        6.0          6.0
## 1138  101209        10086       10096        8.0        8.0          7.0
## 1139  101210        10086       10097       10.0       10.0         10.0
## 1140  101211        10086       10098        8.0        8.0          8.0
## 1141  101212        10086       10099        6.0        8.0          8.0
## 1142  101213        10086       10100        8.0        6.0          6.0
## 1143  101214        10086       10101        8.0        6.0          6.0
## 1144  101215        10086       10102        8.0        7.0          7.0
## 1145  101216        10086       10103        7.0        6.0          6.0
## 1146  101217        10086       10104        8.0        7.0          7.0
## 1147  101218        10086       10105        7.0        3.0          6.0
## 1148  101219        10086       10106        9.0        9.0          9.0
## 1149  101220        10086       10107        7.0        7.0          6.0
## 1150  101221        10086       10108        7.0       10.0          8.0
## 1151  101222        10086       10109        7.0        8.0          8.0
## 1152  101223        10086       10110        7.0        6.0          7.0
## 1153  101224        10087       10093        7.0        6.0          6.0
## 1154  101225        10087       10094        6.0        7.0          7.0
## 1155  101226        10087       10095        7.0        7.0          7.0
## 1156  101227        10087       10096        6.0        7.0          6.0
## 1157  101228        10087       10097       10.0       10.0         10.0
## 1158  101229        10087       10098        6.0        7.0          5.0
## 1159  101230        10087       10099        7.0        8.0          9.0
## 1160  101231        10087       10100        8.0        8.0          8.0
```

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## 1161   101232        10087        10101          5.0          5.0             6.0
## 1162   101233        10087        10102          7.0          6.0             7.0
## 1163   101234        10087        10103          6.0          6.0             6.0
## 1164   101235        10087        10104          7.0          8.0             8.0
## 1165   101236        10087        10105          8.0         10.0             8.0
## 1166   101237        10087        10106          9.0          9.0             9.0
## 1167   101238        10087        10107          8.0          9.0             7.0
## 1168   101239        10087        10108          7.0         10.0             7.0
## 1169   101240        10087        10109          6.0          8.0             8.0
## 1170   101241        10087        10110          6.0          6.0             7.0
## 1171   101242        10088        10093          5.0          5.0             5.0
## 1172   101243        10088        10094          3.0          5.0             6.0
## 1173   101244        10088        10095          6.0          7.0             7.0
## 1174   101245        10088        10096          8.0          8.0             7.0
## 1175   101246        10088        10097         10.0         10.0            10.0
## 1176   101247        10088        10098          9.0          8.0             8.0
## 1177   101248        10088        10099          9.0          8.0             8.0
## 1178   101249        10088        10100          8.0          9.0             9.0
## 1179   101250        10088        10101          3.0          7.0             7.0
## 1180   101251        10088        10102          8.0          7.0             8.0
## 1181   101252        10088        10103          7.0          7.0             7.0
## 1182   101253        10088        10104          7.0          8.0             9.0
## 1183   101254        10088        10105          8.0          8.0             8.0
## 1184   101255        10088        10106          8.0          7.0             9.0
## 1185   101256        10088        10107          6.0          5.0             7.0
## 1186   101257        10088        10108          8.0         10.0             8.0
## 1187   101258        10088        10109          5.0          7.0             8.0
## 1188   101259        10088        10110          7.0          7.0             6.0
## 1189   101260        10089        10093          5.0          6.0             9.0
## 1190   101261        10089        10094          3.0          8.0             5.0
## 1191   101262        10089        10095          6.0          8.0             7.0
## 1192   101263        10089        10096          3.0          7.0             8.0
## 1193   101264        10089        10097         10.0         10.0            10.0
## 1194   101265        10089        10098          6.0          8.0             8.0
## 1195   101266        10089        10099          8.0          7.0             7.0
## 1196   101267        10089        10100          6.0          9.0             9.0
## 1197   101268        10089        10101          3.0          7.0             7.0
## 1198   101269        10089        10102          6.0          7.0             8.0
## 1199   101270        10089        10103         10.0         10.0            10.0
## 1200   101271        10089        10104          6.0          7.0             7.0
## 1201   101272        10089        10105          6.0         10.0             8.0
## 1202   101273        10089        10106          7.0          8.0             8.0
## 1203   101274        10089        10107          6.0          8.0             7.0
## 1204   101275        10089        10108          7.0         10.0             8.0
## 1205   101276        10089        10109          5.0          6.0             8.0
## 1206   101277        10089        10110          3.0          8.0             5.0
## 1207   101278        10090        10093          9.0          8.0             8.0
## 1208   101279        10090        10094          7.0          7.0             8.0
## 1209   101280        10090        10095          8.0          8.0             8.0
## 1210   101281        10090        10096          8.0          8.0             8.0
## 1211   101282        10090        10097         10.0         10.0            10.0
## 1212   101283        10090        10098          9.0          8.0             8.0
## 1213   101284        10090        10099          9.0          7.0             9.0
## 1214   101285        10090        10100          8.0          7.0             7.0
```

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## 1215   101286          10090          10101            7.0            7.0            8.0
## 1216   101287          10090          10102            8.0            8.0            8.0
## 1217   101288          10090          10103            8.0            7.0            7.0
## 1218   101289          10090          10104            8.0            8.0           10.0
## 1219   101290          10090          10105           10.0           10.0           10.0
## 1220   101291          10090          10106            8.0            9.0            8.0
## 1221   101292          10090          10107            8.0            7.0            7.0
## 1222   101293          10090          10108           10.0           10.0            8.0
## 1223   101294          10090          10109            8.0            8.0            8.0
## 1224   101295          10090          10110            8.0            7.0            8.0
## 1225   101296          10091          10093            9.0            8.0            8.0
## 1226   101297          10091          10094            6.0            6.0            7.0
## 1227   101298          10091          10095            7.0            7.0            7.0
## 1228   101299          10091          10096            8.0            7.0            8.0
## 1229   101300          10091          10097           10.0           10.0           10.0
## 1230   101301          10091          10098            6.0            7.0            8.0
## 1231   101302          10091          10099            9.0            8.0            8.0
## 1232   101303          10091          10100            9.0            8.0            8.0
## 1233   101304          10091          10101            7.0            8.0            8.0
## 1234   101305          10091          10102            6.0            6.0            6.0
## 1235   101306          10091          10103            9.0            8.0            6.0
## 1236   101307          10091          10104            8.0            7.0            8.0
## 1237   101308          10091          10105            6.0           10.0            4.0
## 1238   101309          10091          10106            9.0            9.0            9.0
## 1239   101310          10091          10107            8.0            7.0            6.0
## 1240   101311          10091          10108            9.0           10.0            8.0
## 1241   101312          10091          10109            9.0             NA            8.0
## 1242   101313          10091          10110            7.0            6.0            6.0
## 1243   101314          10092          10093            7.0            9.0            9.0
## 1244   101315          10092          10094            5.0            7.0            7.0
## 1245   101316          10092          10095            7.0            8.0            8.0
## 1246   101317          10092          10096            8.0            8.0            8.0
## 1247   101318          10092          10097           10.0           10.0           10.0
## 1248   101319          10092          10098            5.0            5.0            7.0
## 1249   101320          10092          10099            8.0            9.0           10.0
## 1250   101321          10092          10100            9.0            8.0            8.0
## 1251   101322          10092          10101            7.0            7.0            7.0
## 1252   101323          10092          10102            6.0            7.0            7.0
## 1253   101324          10092          10103            7.0            8.0            6.0
## 1254   101325          10092          10104            8.0            7.0            8.0
## 1255   101326          10092          10105            9.0           10.0           10.0
## 1256   101327          10092          10106            7.5            8.5            9.0
## 1257   101328          10092          10107            8.0            8.0            7.0
## 1258   101329          10092          10108            7.0           10.0            8.0
## 1259   101330          10092          10109            5.0            7.0            8.0
## 1260   101331          10092          10110            5.0            7.0            7.0
## 1261   101332          10093          10075            5.0            5.0            5.0
## 1262   101333          10093          10076            4.0            7.0            8.0
## 1263   101334          10093          10077            4.0            2.0            9.0
## 1264   101335          10093          10078            5.0            6.0            7.0
## 1265   101336          10093          10079            1.0             NA            8.0
## 1266   101337          10093          10080            2.0           10.0           10.0
## 1267   101338          10093          10081            7.0            7.0           10.0
## 1268   101339          10093          10082            4.0            6.0            7.0
```

```
## 1269   101340        10093       10083        1.0       5.0         0.0
## 1270   101341        10093       10084        4.0       1.0         4.0
## 1271   101342        10093       10085        5.0       7.0         8.0
## 1272   101343        10093       10086        2.0       3.0         2.0
## 1273   101344        10093       10087        1.0       2.0        10.0
## 1274   101345        10093       10088        6.0       9.0         8.0
## 1275   101346        10093       10089        0.0       5.0         5.0
## 1276   101347        10093       10090        5.0       7.0         7.0
## 1277   101348        10093       10091        4.0       3.0         9.0
## 1278   101349        10093       10092        6.0       6.0         7.0
## 1279   101350        10094       10075        4.0       5.0         5.0
## 1280   101351        10094       10076        4.0       6.0         6.0
## 1281   101352        10094       10077        2.0       4.0         9.0
## 1282   101353        10094       10078        5.0       6.0         6.0
## 1283   101354        10094       10079        7.0       9.0         9.0
## 1284   101355        10094       10080        3.0       7.0         7.0
## 1285   101356        10094       10081        4.0       8.0         7.0
## 1286   101357        10094       10082        5.0       6.0         8.0
## 1287   101358        10094       10083        5.0       8.0         7.0
## 1288   101359        10094       10084        5.0       6.0         7.0
## 1289   101360        10094       10085        6.0       8.0         6.0
## 1290   101361        10094       10086        2.0       2.0         2.0
## 1291   101362        10094       10087        2.0      10.0        10.0
## 1292   101363        10094       10088        6.0       9.0         8.0
## 1293   101364        10094       10089        8.0       8.0         7.0
## 1294   101365        10094       10090        5.0       6.0         6.0
## 1295   101366        10094       10091        4.0       8.0         9.0
## 1296   101367        10094       10092        7.0       8.0         7.0
## 1297   101368        10095       10075        2.0      10.0         4.0
## 1298   101369        10095       10076        4.0       6.0         7.0
## 1299   101370        10095       10077        2.0       5.0         9.0
## 1300   101371        10095       10078        7.0       7.0         7.0
## 1301   101372        10095       10079        6.0       7.0         8.0
## 1302   101373        10095       10080        2.0       6.0         8.0
## 1303   101374        10095       10081        5.0      10.0         8.0
## 1304   101375        10095       10082        4.0       8.0         8.0
## 1305   101376        10095       10083        5.0       8.0         8.0
## 1306   101377        10095       10084        5.0       5.0         6.0
## 1307   101378        10095       10085        6.0       7.0         7.0
## 1308   101379        10095       10086        3.0       6.0         6.0
## 1309   101380        10095       10087        3.0       7.0         9.0
## 1310   101381        10095       10088        6.0      10.0         9.0
## 1311   101382        10095       10089        5.0       5.0         6.0
## 1312   101383        10095       10090        4.0       6.0         6.0
## 1313   101384        10095       10091        3.0       9.0        10.0
## 1314   101385        10095       10092        7.0       7.0         7.0
## 1315   101386        10096       10075       10.0       8.0        10.0
## 1316   101387        10096       10076        6.0       5.0         6.0
## 1317   101388        10096       10077        9.0       5.0         9.0
## 1318   101389        10096       10078        7.0       7.0         7.0
## 1319   101390        10096       10079        8.0       8.0         8.0
## 1320   101391        10096       10080        8.0       8.0         9.0
## 1321   101392        10096       10081        8.0       9.0        10.0
## 1322   101393        10096       10082        8.0       6.0         7.0
```

```
## 1323   101394        10096        10083           4.0          6.0              7.0
## 1324   101395        10096        10084           7.0          8.0              7.0
## 1325   101396        10096        10085           7.0          7.0              7.0
## 1326   101397        10096        10086           3.0          4.0              6.0
## 1327   101398        10096        10087           6.0          7.0             10.0
## 1328   101399        10096        10088           7.0          9.0              9.0
## 1329   101400        10096        10089           7.0          6.0              8.0
## 1330   101401        10096        10090           6.0          7.0              8.0
## 1331   101402        10096        10091          10.0         10.0             10.0
## 1332   101403        10096        10092           8.0          7.0              8.0
## 1333   101404        10097        10075           2.0         10.0              5.0
## 1334   101405        10097        10076           8.0          9.0              9.0
## 1335   101406        10097        10077           7.0          9.0              9.0
## 1336   101407        10097        10078           2.0          2.0              2.0
## 1337   101408        10097        10079           6.0          7.0              7.0
## 1338   101409        10097        10080           7.0          6.0              6.0
## 1339   101410        10097        10081           7.0         10.0              7.0
## 1340   101411        10097        10082           5.0          6.0              7.0
## 1341   101412        10097        10083           5.0          8.0              5.0
## 1342   101413        10097        10084           8.0          8.0              8.0
## 1343   101414        10097        10085           7.0          8.0              7.0
## 1344   101415        10097        10086           2.0          8.0              8.0
## 1345   101416        10097        10087           3.0         10.0             10.0
## 1346   101417        10097        10088           6.0          9.0              7.0
## 1347   101418        10097        10089           6.0          6.0              6.0
## 1348   101419        10097        10090           6.0          9.0              8.0
## 1349   101420        10097        10091           8.0          7.0              8.0
## 1350   101421        10097        10092           6.0          6.0              6.0
## 1351   101422        10098        10075           6.0          8.0              8.0
## 1352   101423        10098        10076          10.0          7.0              8.0
## 1353   101424        10098        10077           7.0          9.0              9.0
## 1354   101425        10098        10078           7.0          7.0              7.0
## 1355   101426        10098        10079           8.0          8.0              8.0
## 1356   101427        10098        10080           8.0          8.0              8.0
## 1357   101428        10098        10081           8.0          8.0             10.0
## 1358   101429        10098        10082           8.0          7.0              8.0
## 1359   101430        10098        10083           7.0          5.0              6.0
## 1360   101431        10098        10084           8.0          7.0              7.0
## 1361   101432        10098        10085           7.0          6.0              6.0
## 1362   101433        10098        10086           8.0          8.0              7.0
## 1363   101434        10098        10087           8.0         10.0             10.0
## 1364   101435        10098        10088           9.0          9.0              9.0
## 1365   101436        10098        10089           7.0          8.0              7.0
## 1366   101437        10098        10090           8.0          7.0              8.0
## 1367   101438        10098        10091          10.0         10.0              9.0
## 1368   101439        10098        10092           7.0          6.0              7.0
## 1369   101440        10099        10075           1.0         10.0               NA
## 1370   101441        10099        10076           4.0          6.0              6.0
## 1371   101442        10099        10077           2.0          9.0              9.0
## 1372   101443        10099        10078           4.0          6.0              6.0
## 1373   101444        10099        10079           6.0          8.0              8.0
## 1374   101445        10099        10080           3.0          8.0              8.0
## 1375   101446        10099        10081           5.0         10.0             10.0
## 1376   101447        10099        10082           4.0          8.0              7.0
```

```
## 1377   101448        10099        10083        2.0         5.0              7.0
## 1378   101449        10099        10084        5.0         8.0              8.0
## 1379   101450        10099        10085        7.0         6.0              6.0
## 1380   101451        10099        10086        3.0        10.0              9.0
## 1381   101452        10099        10087        4.0        10.0             10.0
## 1382   101453        10099        10088        8.0         9.0             10.0
## 1383   101454        10099        10089        5.0         8.0              8.0
## 1384   101455        10099        10090        6.0         7.0              8.0
## 1385   101456        10099        10091        6.0         8.0              9.0
## 1386   101457        10099        10092        7.0         7.0              7.0
## 1387   101458        10100        10075        1.0        10.0              5.0
## 1388   101459        10100        10076        3.0         5.0              6.0
## 1389   101460        10100        10077        2.0         9.0              9.0
## 1390   101461        10100        10078        4.0         6.0              6.0
## 1391   101462        10100        10079        6.0         8.0              7.0
## 1392   101463        10100        10080        3.0         8.0              9.0
## 1393   101464        10100        10081        5.0        10.0             10.0
## 1394   101465        10100        10082        5.0         8.0              8.0
## 1395   101466        10100        10083        3.0         7.0              7.0
## 1396   101467        10100        10084        4.0         7.0              9.0
## 1397   101468        10100        10085        6.0         7.0              7.0
## 1398   101469        10100        10086        1.0         3.0              4.0
## 1399   101470        10100        10087        3.0        10.0             10.0
## 1400   101471        10100        10088        5.0         9.0              8.0
## 1401   101472        10100        10089        4.0         8.0              8.0
## 1402   101473        10100        10090        4.0         7.0              8.0
## 1403   101474        10100        10091        6.0         9.0             10.0
## 1404   101475        10100        10092        7.0         6.0              7.0
## 1405   101476        10101        10075        1.0          NA              8.0
## 1406   101477        10101        10076        6.0         7.0              6.0
## 1407   101478        10101        10077        3.0         8.0              8.0
## 1408   101479        10101        10078        2.0         2.0              2.0
## 1409   101480        10101        10079        8.0         8.0              8.0
## 1410   101481        10101        10080        2.0         8.0             10.0
## 1411   101482        10101        10081        4.0        10.0              9.0
## 1412   101483        10101        10082        5.0         7.0              8.0
## 1413   101484        10101        10083        4.0         5.0              6.0
## 1414   101485        10101        10084        5.0         8.0              8.0
## 1415   101486        10101        10085        5.0         8.0              6.0
## 1416   101487        10101        10086        2.0         3.0              4.0
## 1417   101488        10101        10087        2.0        10.0             10.0
## 1418   101489        10101        10088        6.0        10.0              9.0
## 1419   101490        10101        10089        5.0         7.0              6.0
## 1420   101491        10101        10090        4.0         6.0              7.0
## 1421   101492        10101        10091        4.0         8.0              9.0
## 1422   101493        10101        10092        6.0         7.0              7.0
## 1423   101494        10102        10075        6.0          NA              5.0
## 1424   101495        10102        10076        9.0         7.0              7.0
## 1425   101496        10102        10077        5.0         9.0              9.0
## 1426   101497        10102        10078        5.0         5.0              5.0
## 1427   101498        10102        10079        7.0         8.0              8.0
## 1428   101499        10102        10080        4.0         9.0              8.0
## 1429   101500        10102        10081        6.0         8.0              8.0
## 1430   101501        10102        10082        7.0         8.0              8.0
```

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## 1431   101502        10102       10083           5.0         5.0            5.0
## 1432   101503        10102       10084           8.0         7.0            7.0
## 1433   101504        10102       10085           7.0         6.0            6.0
## 1434   101505        10102       10086           3.0         5.0            6.0
## 1435   101506        10102       10087           6.0         7.0            7.0
## 1436   101507        10102       10088           8.0         9.0            8.0
## 1437   101508        10102       10089           4.0         8.0            5.0
## 1438   101509        10102       10090           7.0         7.0            8.0
## 1439   101510        10102       10091           8.0         7.0            8.0
## 1440   101511        10102       10092           7.0         7.0            7.0
## 1441   101512        10103       10075           2.0         3.0            5.0
## 1442   101513        10103       10076           6.0         6.0            5.0
## 1443   101514        10103       10077           9.0         5.0            9.0
## 1444   101515        10103       10078            NA         6.0            7.0
## 1445   101516        10103       10079           8.0         8.0            8.0
## 1446   101517        10103       10080           6.0         8.0            8.0
## 1447   101518        10103       10081           8.0         9.0            9.0
## 1448   101519        10103       10082           7.0         8.0            8.0
## 1449   101520        10103       10083           6.0         2.0            5.0
## 1450   101521        10103       10084           7.0         7.0            8.0
## 1451   101522        10103       10085           9.0         8.0            7.0
## 1452   101523        10103       10086           2.0         3.0            4.0
## 1453   101524        10103       10087           6.0         9.0           10.0
## 1454   101525        10103       10088           9.0         9.0            9.0
## 1455   101526        10103       10089          10.0        10.0           10.0
## 1456   101527        10103       10090           7.0         7.0            7.0
## 1457   101528        10103       10091           8.0         8.0            8.0
## 1458   101529        10103       10092           8.0         8.0            7.0
## 1459   101530        10104       10075           5.0         7.0            8.0
## 1460   101531        10104       10076           7.0         7.0            8.0
## 1461   101532        10104       10077           7.0         9.0            9.0
## 1462   101533        10104       10078           6.0         6.0            6.0
## 1463   101534        10104       10079           8.0         8.0            9.0
## 1464   101535        10104       10080           9.0         9.0            9.0
## 1465   101536        10104       10081           7.0         9.0            9.0
## 1466   101537        10104       10082           5.0        10.0            8.0
## 1467   101538        10104       10083           5.0         5.0            7.0
## 1468   101539        10104       10084           8.0         8.0            8.0
## 1469   101540        10104       10085           7.0         8.0            8.0
## 1470   101541        10104       10086           1.0         6.0            7.0
## 1471   101542        10104       10087           6.0         9.0           10.0
## 1472   101543        10104       10088           6.0         9.0            9.0
## 1473   101544        10104       10089           5.0         7.0            6.0
## 1474   101545        10104       10090           7.0        10.0           10.0
## 1475   101546        10104       10091           7.0         8.0            9.0
## 1476   101547        10104       10092           7.0         7.0            7.0
## 1477   101548        10105       10075           4.0         8.0            8.0
## 1478   101549        10105       10076           5.0         6.0            7.0
## 1479   101550        10105       10077           5.0         9.0            9.0
## 1480   101551        10105       10078           5.0         5.0            5.0
## 1481   101552        10105       10079           7.0         9.0            8.0
## 1482   101553        10105       10080           4.0         9.0            8.0
## 1483   101554        10105       10081           5.0        10.0            9.0
## 1484   101555        10105       10082           5.0         8.0            8.0
```

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## 1485   101556        10105        10083         4.0         6.0          8.0
## 1486   101557        10105        10084         6.0         8.0          7.0
## 1487   101558        10105        10085         5.0         7.0          7.0
## 1488   101559        10105        10086         2.0         4.0          5.0
## 1489   101560        10105        10087         2.0        10.0         10.0
## 1490   101561        10105        10088         8.0        10.0         10.0
## 1491   101562        10105        10089         6.0         7.0          7.0
## 1492   101563        10105        10090         5.0         7.0          8.0
## 1493   101564        10105        10091         7.0         8.0          8.0
## 1494   101565        10105        10092         7.0         7.0          7.0
## 1495   101566        10106        10075         8.0         6.0          7.0
## 1496   101567        10106        10076         9.0         9.0          9.0
## 1497   101568        10106        10077         9.0         9.0          9.0
## 1498   101569        10106        10078         5.0         7.0          7.0
## 1499   101570        10106        10079         6.0         9.0          8.0
## 1500   101571        10106        10080         2.0         7.0          6.0
## 1501   101572        10106        10081         7.0        10.0          9.0
## 1502   101573        10106        10082         8.0         8.0          8.0
## 1503   101574        10106        10083         4.0         8.0          8.0
## 1504   101575        10106        10084         7.0         6.0          6.0
## 1505   101576        10106        10085        10.0         7.0          7.0
## 1506   101577        10106        10086         8.0        10.0          8.0
## 1507   101578        10106        10087         3.0        10.0         10.0
## 1508   101579        10106        10088         9.0         9.0         10.0
## 1509   101580        10106        10089         6.0         7.0          8.0
## 1510   101581        10106        10090         8.0         7.0          8.0
## 1511   101582        10106        10091         8.0         9.0          9.0
## 1512   101583        10106        10092         7.0         7.0          7.0
## 1513   101584        10107        10075         5.0         5.0          5.0
## 1514   101585        10107        10076         9.0         7.0          7.0
## 1515   101586        10107        10077         7.0         4.0          7.0
## 1516   101587        10107        10078         6.0         6.0          6.0
## 1517   101588        10107        10079         8.0         8.0          8.0
## 1518   101589        10107        10080         7.0         7.0          7.0
## 1519   101590        10107        10081         7.0        10.0         10.0
## 1520   101591        10107        10082         5.0         7.0          9.0
## 1521   101592        10107        10083         4.0         0.0          8.0
## 1522   101593        10107        10084         6.0         6.0          6.0
## 1523   101594        10107        10085        10.0         8.0          6.0
## 1524   101595        10107        10086         7.0         9.0          7.0
## 1525   101596        10107        10087         8.0        10.0         10.0
## 1526   101597        10107        10088         9.0         9.0          8.0
## 1527   101598        10107        10089         7.0         7.0          6.0
## 1528   101599        10107        10090         9.0         7.0          8.0
## 1529   101600        10107        10091         8.0         9.0         10.0
## 1530   101601        10107        10092         7.0         7.0          7.0
## 1531   101602        10108        10075         5.0         5.0          6.0
## 1532   101603        10108        10076         6.0         7.0          7.0
## 1533   101604        10108        10077         7.0        10.0         10.0
## 1534   101605        10108        10078         5.0         5.0          5.0
## 1535   101606        10108        10079         8.0         8.0          8.0
## 1536   101607        10108        10080         6.0         9.0          8.0
## 1537   101608        10108        10081         6.0        10.0         10.0
## 1538   101609        10108        10082         4.0         8.0          8.0
```

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## 1539   101610        10108       10083          5.0        5.0             9.0
## 1540   101611        10108       10084          6.0        8.0             7.0
## 1541   101612        10108       10085          6.0        7.0             7.0
## 1542   101613        10108       10086          2.0        4.0             7.0
## 1543   101614        10108       10087          5.0       10.0            10.0
## 1544   101615        10108       10088          8.0       10.0            10.0
## 1545   101616        10108       10089          6.0        7.0             7.0
## 1546   101617        10108       10090          6.0        7.0             8.0
## 1547   101618        10108       10091          7.0        9.0             9.0
## 1548   101619        10108       10092          7.0        7.0             7.0
## 1549   101620        10109       10075          5.0        5.0             6.0
## 1550   101621        10109       10076          8.0        9.0             8.0
## 1551   101622        10109       10077          2.0        2.0             5.0
## 1552   101623        10109       10078          4.0        4.0             4.0
## 1553   101624        10109       10079          6.0         NA             8.0
## 1554   101625        10109       10080          6.0        6.0             7.0
## 1555   101626        10109       10081          7.0        8.0             8.0
## 1556   101627        10109       10082          4.0        7.0             8.0
## 1557   101628        10109       10083          4.0        4.0             5.0
## 1558   101629        10109       10084          5.0        5.0             5.0
## 1559   101630        10109       10085          8.0        7.0             7.0
## 1560   101631        10109       10086          4.0        3.0             6.0
## 1561   101632        10109       10087          4.0       10.0            10.0
## 1562   101633        10109       10088          7.0       10.0            10.0
## 1563   101634        10109       10089          6.0        6.0             6.0
## 1564   101635        10109       10090          6.0        7.0             8.0
## 1565   101636        10109       10091          6.0        9.0             9.0
## 1566   101637        10109       10092          7.0        7.0             7.0
## 1567   101638        10110       10075          2.0        8.0             8.0
## 1568   101639        10110       10076          4.0        6.0             7.0
## 1569   101640        10110       10077          5.0        5.0             9.0
## 1570   101641        10110       10078          6.0        6.0             6.0
## 1571   101642        10110       10079          7.0        9.0             8.0
## 1572   101643        10110       10080          4.0        9.0             9.0
## 1573   101644        10110       10081          6.0       10.0             9.0
## 1574   101645        10110       10082          4.0        8.0             6.0
## 1575   101646        10110       10083          3.0        5.0             5.0
## 1576   101647        10110       10084          6.0        4.0             6.0
## 1577   101648        10110       10085          4.0        5.0             5.0
## 1578   101649        10110       10086          2.0        4.0             7.0
## 1579   101650        10110       10087          2.0       10.0            10.0
## 1580   101651        10110       10088          7.0       10.0            10.0
## 1581   101652        10110       10089          6.0        9.0             7.0
## 1582   101653        10110       10090          5.0        8.0             8.0
## 1583   101654        10110       10091          6.0        7.0             8.0
## 1584   101655        10110       10092          7.0        7.0             7.0
## 1585   101656        10111       10120          9.0        9.0             9.0
## 1586   101657        10111       10121          9.0        7.0             7.0
## 1587   101658        10111       10122          6.0        7.0             7.0
## 1588   101659        10111       10123          9.0        8.0             9.0
## 1589   101660        10111       10124          7.0        8.0             7.0
## 1590   101661        10111       10125         10.0        7.0             9.0
## 1591   101662        10111       10126         10.0        9.0             8.0
## 1592   101665        10111       10129          5.0        5.0             5.0
```

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## 1593   101666          10112     10120       10.0       10.0          10.0
## 1594   101667          10112     10121        6.0        5.0           5.0
## 1595   101668          10112     10122        7.0        6.0           7.0
## 1596   101669          10112     10123        8.0        8.0           7.0
## 1597   101670          10112     10124        6.0        8.0           9.0
## 1598   101671          10112     10125        5.0        5.0           5.0
## 1599   101672          10112     10126        7.0        9.0           9.0
## 1600   101675          10112     10129        5.0        5.0           5.0
## 1601   101676          10113     10120        6.0       10.0           7.0
## 1602   101677          10113     10121        4.0        6.0           6.0
## 1603   101678          10113     10122        5.0        6.0           8.0
## 1604   101679          10113     10123        5.0        8.0           8.0
## 1605   101680          10113     10124        6.0        7.0           7.0
## 1606   101681          10113     10125        5.0        7.0           7.0
## 1607   101682          10113     10126        7.0        9.0           9.0
## 1608   101685          10113     10129        5.0        5.0           5.0
## 1609   101686          10114     10120       10.0       10.0          10.0
## 1610   101687          10114     10121        4.0        5.0           4.0
## 1611   101688          10114     10122        6.0        2.0           4.0
## 1612   101689          10114     10123       10.0       10.0           9.0
## 1613   101690          10114     10124        5.0        7.0           6.0
## 1614   101691          10114     10125        7.0        3.0           7.0
## 1615   101692          10114     10126        9.0        7.0           6.0
## 1617   101696          10115     10120       10.0       10.0          10.0
## 1618   101697          10115     10121        6.0        5.0           5.0
## 1619   101698          10115     10122        5.0        4.0           3.0
## 1620   101699          10115     10123       10.0       10.0          10.0
## 1621   101700          10115     10124        7.0        6.0           8.0
## 1622   101701          10115     10125        7.0        7.0           7.0
## 1623   101702          10115     10126        7.0        7.0           7.0
## 1624   101705          10115     10129        5.0        5.0           5.0
## 1625   101706          10116     10120       10.0       10.0          10.0
## 1626   101707          10116     10121        6.0        6.0           5.0
## 1627   101708          10116     10122        8.0        7.0           6.0
## 1628   101709          10116     10123       10.0        5.0           6.0
## 1629   101710          10116     10124        7.0        7.0           7.0
## 1630   101711          10116     10125        7.0        7.0           8.0
## 1631   101712          10116     10126        8.0        8.0           9.0
## 1633   101716          10117     10120        9.0        9.0           8.0
## 1634   101717          10117     10121        6.0        4.0           5.0
## 1635   101718          10117     10122        9.0        8.0           4.0
## 1636   101719          10117     10123        8.0        8.0           6.0
## 1637   101720          10117     10124        6.0        9.0           8.0
## 1638   101721          10117     10125        9.0        8.0           8.0
## 1639   101722          10117     10126        9.0        8.0           9.0
## 1640   101725          10117     10129        6.0        6.0           6.0
## 1641   101726          10118     10120        6.0        7.0           7.0
## 1642   101727          10118     10121        9.0        6.0           8.0
## 1643   101728          10118     10122        7.0        5.0           6.0
## 1644   101729          10118     10123        9.0        8.0           7.0
## 1645   101730          10118     10124        7.0        7.0           7.0
## 1646   101731          10118     10125        8.0        5.0           7.0
## 1647   101732          10118     10126        8.0        8.0          10.0
## 1648   101735          10118     10129        6.0        6.0           7.0
```

```
## 1649   101736      10119      10120        6.0        9.0          8.0
## 1650   101737      10119      10121        5.0        4.0          5.0
## 1651   101738      10119      10122        2.0        7.0          9.0
## 1652   101739      10119      10123        4.0        6.0          6.0
## 1653   101740      10119      10124        4.0        8.0          7.0
## 1654   101741      10119      10125        5.0        8.0          7.0
## 1655   101742      10119      10126        6.0        9.0          7.0
## 1656   101745      10119      10129        7.0        5.0         10.0
## 1657   101746      10120      10111        7.0        7.0          7.0
## 1658   101747      10120      10112        8.0       10.0          9.0
## 1659   101748      10120      10113        7.0        6.0          6.0
## 1660   101749      10120      10114       10.0       10.0         10.0
## 1661   101750      10120      10115       10.0       10.0         10.0
## 1662   101751      10120      10116       10.0       10.0         10.0
## 1663   101752      10120      10117        3.0        8.0          5.0
## 1664   101753      10120      10118        7.0        8.0          7.0
## 1665   101754      10120      10119        8.0       10.0         10.0
## 1666   101756      10121      10111        4.0        8.0          7.0
## 1667   101757      10121      10112        5.0        9.0          6.0
## 1668   101758      10121      10113        8.0        7.0          6.0
## 1669   101759      10121      10114        6.0       10.0         10.0
## 1670   101760      10121      10115        7.0       10.0          8.0
## 1671   101761      10121      10116        7.0       10.0          8.0
## 1672   101762      10121      10117         NA        6.0          7.0
## 1673   101763      10121      10118        5.0        8.0          6.0
## 1674   101764      10121      10119        9.0       10.0          7.0
## 1675   101766      10122      10111        5.0        1.0          6.0
## 1676   101767      10122      10112        5.0        9.0          8.0
## 1677   101768      10122      10113        4.0        3.0          4.0
## 1678   101769      10122      10114        2.0       10.0         10.0
## 1679   101770      10122      10115        4.0        4.0          8.0
## 1680   101771      10122      10116        4.0        8.0          7.0
## 1681   101772      10122      10117        4.0        9.0          8.0
## 1682   101773      10122      10118        2.0        1.0          4.0
## 1683   101774      10122      10119        4.0        6.0          7.0
## 1684   101776      10123      10111        7.0        7.0          8.0
## 1685   101777      10123      10112       10.0        9.0         10.0
## 1686   101778      10123      10113        7.0        5.0          5.0
## 1687   101779      10123      10114       10.0       10.0         10.0
## 1688   101780      10123      10115       10.0        8.0          8.0
## 1689   101781      10123      10116       10.0       10.0         10.0
## 1690   101782      10123      10117        6.0        8.0          8.0
## 1691   101783      10123      10118        6.0        8.0          8.0
## 1692   101784      10123      10119        6.0       10.0         10.0
## 1693   101786      10124      10111        5.0        7.0          9.0
## 1694   101787      10124      10112        6.0        9.0          8.0
## 1695   101788      10124      10113        5.0        6.0          5.0
## 1696   101789      10124      10114        6.0       10.0         10.0
## 1697   101790      10124      10115        6.0        9.0         10.0
## 1698   101791      10124      10116        6.0       10.0          9.0
## 1699   101792      10124      10117        5.0        4.0          8.0
## 1700   101793      10124      10118        8.0       10.0          8.0
## 1701   101794      10124      10119        8.0        7.0         10.0
## 1702   101796      10125      10111       10.0        6.0          7.0
```

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## 1703   101797         10125       10112          9.0          9.0          8.0
## 1704   101798         10125       10113          2.0          3.0          2.0
## 1705   101799         10125       10114          8.0          5.0          9.0
## 1706   101800         10125       10115          8.0          6.0          6.0
## 1707   101801         10125       10116          8.0          6.0          7.0
## 1708   101802         10125       10117          8.0         10.0          9.0
## 1709   101803         10125       10118          9.0          4.0          5.0
## 1710   101804         10125       10119          4.0          4.0          2.0
## 1711   101806         10126       10111          9.0         10.0          8.0
## 1712   101807         10126       10112          6.0         10.0          9.0
## 1713   101808         10126       10113          8.0          6.0          7.0
## 1714   101809         10126       10114          9.0         10.0          9.0
## 1715   101810         10126       10115          7.0          8.0          8.0
## 1716   101811         10126       10116          7.0          8.0          6.0
## 1717   101812         10126       10117          5.0          7.0           NA
## 1718   101813         10126       10118          8.0          7.0          8.0
## 1719   101814         10126       10119          9.0         10.0         10.0
## 1720   101836         10129       10111          2.0          7.0          6.0
## 1721   101837         10129       10112          4.0          9.0          8.0
## 1722   101838         10129       10113          5.0          6.0          4.0
## 1724   101840         10129       10115          4.0          8.0          7.0
## 1726   101842         10129       10117          2.0          7.0          6.0
## 1727   101843         10129       10118          7.0          8.0          6.0
## 1728   101844         10129       10119          7.0         10.0         10.0
## 1729   101846         10130       10135          8.0          8.0          9.0
## 1730   101847         10130       10136          8.0          7.0          4.0
## 1731   101848         10130       10137          8.0           NA          8.0
## 1732   101849         10130       10138          7.0          7.0          7.0
## 1733   101850         10130       10139          8.0          7.0          7.0
## 1734   101851         10131       10135          6.0         10.0         10.0
## 1735   101852         10131       10136          3.0          8.0          8.0
## 1736   101853         10131       10137          6.0          8.0         10.0
## 1737   101854         10131       10138          5.0          9.0          8.0
## 1738   101855         10131       10139          6.0         10.0          9.0
## 1739   101856         10132       10135          9.0          9.0          9.0
## 1740   101857         10132       10136          3.0          8.0          8.0
## 1741   101858         10132       10137          7.0          9.0          9.0
## 1742   101859         10132       10138          6.5          8.0          7.5
## 1743   101860         10132       10139          7.0          8.0          8.0
## 1744   101861         10133       10135          7.0          8.0          8.0
## 1745   101862         10133       10136          4.0          6.0          6.0
## 1746   101863         10133       10137          6.0           NA           NA
## 1747   101864         10133       10138          6.5          8.0          8.0
## 1748   101865         10133       10139          8.0          9.0          8.0
## 1749   101871         10135       10130          7.0          9.0          7.0
## 1750   101872         10135       10131          7.0          7.0          7.0
## 1751   101873         10135       10132          8.0          9.0          7.0
## 1752   101874         10135       10133          8.0          5.0           NA
## 1753   101876         10136       10130          8.0          8.0          8.0
## 1754   101877         10136       10131          7.0          6.0          8.0
## 1755   101878         10136       10132          7.0          8.0          9.0
## 1756   101879         10136       10133          8.0          8.0          8.0
## 1757   101881         10137       10130          5.0          7.0          9.0
## 1758   101882         10137       10131          6.0          5.0          5.0
```

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## 1759   101883        10137      10132          7.0        7.0          8.0
## 1760   101884        10137      10133          7.0        8.0           NA
## 1761   101886        10138      10130          8.0        9.0          9.0
## 1762   101887        10138      10131          8.0        7.0          7.0
## 1763   101888        10138      10132          8.0        9.0          9.0
## 1764   101889        10138      10133          8.0        8.0          8.0
## 1765   101891        10139      10130          5.0        8.0          8.0
## 1766   101892        10139      10131          5.0        6.0          5.0
## 1767   101893        10139      10132          6.0        5.0          6.0
## 1768   101894        10139      10133          7.0         NA           NA
## 1769   101896        10140      10156         10.0        8.0          8.0
## 1770   101897        10140      10157          7.0        7.0          7.0
## 1771   101898        10140      10158          6.0        9.0          8.0
## 1772   101899        10140      10159          8.0        7.0          8.0
## 1773   101900        10140      10160          6.0        7.0          7.0
## 1774   101901        10140      10161          7.0        7.0          7.0
## 1775   101902        10140      10162          8.0        7.0          9.0
## 1776   101903        10140      10163          8.0        8.0          9.0
## 1777   101904        10140      10164          4.0        4.0          8.0
## 1778   101905        10140      10165          7.0        6.0          7.0
## 1779   101906        10140      10166          8.0        8.0          7.0
## 1780   101907        10140      10167          8.0        8.0          9.0
## 1781   101908        10140      10168          7.0        7.0          7.0
## 1782   101909        10140      10169          7.0        8.0          9.0
## 1783   101910        10140      10170          8.0        7.0          6.0
## 1784   101911        10140      10171          8.0        7.0          7.0
## 1785   101912        10141      10156          6.0        8.0          9.0
## 1786   101913        10141      10157          5.0        7.0          7.0
## 1787   101914        10141      10158          4.0        9.0          7.0
## 1788   101915        10141      10159          5.0       10.0          8.0
## 1789   101916        10141      10160          3.0        6.0          6.0
## 1790   101917        10141      10161          5.0        8.0          7.0
## 1791   101918        10141      10162          4.0        9.0          9.0
## 1792   101919        10141      10163          6.0        9.0          9.0
## 1793   101920        10141      10164          3.0        7.0          7.0
## 1794   101921        10141      10165          3.0        7.0          6.0
## 1795   101922        10141      10166          5.0        5.0          5.0
## 1796   101923        10141      10167          7.0        9.0          9.0
## 1797   101924        10141      10168          5.0        7.0          7.0
## 1798   101925        10141      10169          5.0        8.0          9.0
## 1799   101926        10141      10170           NA        8.0          9.0
## 1800   101927        10141      10171          4.0        6.0          5.0
## 1801   101928        10142      10156          9.0        9.0          9.0
## 1802   101929        10142      10157          8.0        8.0          8.0
## 1803   101930        10142      10158          6.0        8.0          9.0
## 1804   101931        10142      10159          6.0        8.0         10.0
## 1805   101932        10142      10160          8.0        7.0          7.0
## 1806   101933        10142      10161          8.0        8.0          8.0
## 1807   101934        10142      10162          7.0        7.0          9.0
## 1808   101935        10142      10163          7.0        8.0         10.0
## 1809   101936        10142      10164          7.0        7.0          9.0
## 1810   101937        10142      10165          4.0        6.0          5.0
## 1811   101938        10142      10166          8.0        8.0          8.0
## 1812   101939        10142      10167          8.0        7.0          8.0
```

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## 1813   101940          10142     10168        NA       NA          NA
## 1814   101941          10142     10169       8.0      9.0         9.0
## 1815   101942          10142     10170       4.0      7.0         8.0
## 1816   101943          10142     10171       5.0      7.0         6.0
## 1817   101944          10143     10156       9.0      8.0         9.0
## 1818   101945          10143     10157       8.0      8.0         8.0
## 1819   101946          10143     10158       4.0      8.0         9.0
## 1820   101947          10143     10159       6.0      8.0        10.0
## 1821   101948          10143     10160       5.0      6.0         7.0
## 1822   101949          10143     10161       6.0      7.0         6.0
## 1823   101950          10143     10162       4.0      8.0         9.0
## 1824   101951          10143     10163       6.0      8.0         9.0
## 1825   101952          10143     10164       5.0      7.0         7.0
## 1826   101953          10143     10165       2.0      6.0         6.0
## 1827   101954          10143     10166       7.0      7.0         7.0
## 1828   101955          10143     10167       7.0      9.0         9.0
## 1829   101956          10143     10168       6.0      7.0         6.0
## 1830   101957          10143     10169       6.0      8.0         9.0
## 1831   101958          10143     10170       2.0      7.0         9.0
## 1832   101959          10143     10171       4.0      6.0         6.0
## 1833   101960          10144     10156       8.0      9.0         8.0
## 1834   101961          10144     10157       6.0      8.0         8.0
## 1835   101962          10144     10158       5.0      8.0          NA
## 1836   101963          10144     10159       5.0      6.0         7.0
## 1837   101964          10144     10160       4.0      6.0         8.0
## 1838   101965          10144     10161       5.0      8.0         7.0
## 1839   101966          10144     10162       9.0     10.0        10.0
## 1840   101967          10144     10163       8.0      7.0         9.0
## 1841   101968          10144     10164       7.0      7.0         7.0
## 1842   101969          10144     10165       3.0      6.0         8.0
## 1843   101970          10144     10166       4.0      6.0         7.0
## 1844   101971          10144     10167       7.0      8.0         9.0
## 1845   101972          10144     10168       5.0      7.0         7.0
## 1846   101973          10144     10169       6.0      8.0         9.0
## 1847   101974          10144     10170       1.0      4.0         5.0
## 1848   101975          10144     10171       5.0      6.0         5.0
## 1849   101976          10145     10156       9.0      7.0         7.0
## 1850   101977          10145     10157       6.0      6.0         6.0
## 1851   101978          10145     10158       8.0     10.0         9.0
## 1852   101979          10145     10159       7.0      8.0         9.0
## 1853   101980          10145     10160       5.0      7.0         7.0
## 1854   101981          10145     10161       7.0      9.0         7.0
## 1855   101982          10145     10162       9.0      6.0         6.0
## 1856   101983          10145     10163       7.0      8.0         8.0
## 1857   101984          10145     10164       8.0      8.0         8.0
## 1858   101985          10145     10165       3.0      6.0         5.0
## 1859   101986          10145     10166       4.0      7.0         8.0
## 1860   101987          10145     10167      10.0      8.0         8.0
## 1861   101988          10145     10168       7.0      7.0         7.0
## 1862   101989          10145     10169       5.0      6.0         7.0
## 1863   101990          10145     10170       8.0      4.0          NA
## 1864   101991          10145     10171       5.0      7.0         5.0
## 1865   101992          10146     10156       9.0      8.0         8.0
## 1866   101993          10146     10157       7.0      6.0         6.0
```

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## 1867   101994        10146      10158           7.0         8.0           8.0
## 1868   101995        10146      10159           6.0         6.0           8.0
## 1869   101996        10146      10160           6.0         6.0           7.0
## 1870   101997        10146      10161           8.0         8.0           8.0
## 1871   101998        10146      10162           7.0         7.0           7.0
## 1872   101999        10146      10163           8.0         8.0           9.0
## 1873   102000        10146      10164           8.0         8.0           8.0
## 1874   102001        10146      10165           6.0         5.0           6.0
## 1875   102002        10146      10166           7.0         8.0           8.0
## 1876   102003        10146      10167           9.0         9.0           9.0
## 1877   102004        10146      10168           6.0         6.0           7.0
## 1878   102005        10146      10169           7.0         7.0           7.0
## 1879   102006        10146      10170           7.0         4.0           6.0
## 1880   102007        10146      10171           5.0         8.0           5.0
## 1881   102008        10147      10156           9.0         9.0           9.0
## 1882   102009        10147      10157           8.0         9.0           7.0
## 1883   102010        10147      10158           6.0         9.0           9.0
## 1884   102011        10147      10159           7.0         6.0           7.0
## 1885   102012        10147      10160           8.0         6.0           6.0
## 1886   102013        10147      10161           8.0         8.0           8.0
## 1887   102014        10147      10162           6.0         6.0           6.0
## 1888   102015        10147      10163           9.0         7.0           9.0
## 1889   102016        10147      10164           7.0         7.0           7.0
## 1890   102017        10147      10165           6.0         6.0           6.0
## 1891   102018        10147      10166           5.0         6.0           6.0
## 1892   102019        10147      10167           9.0         8.0           9.0
## 1893   102020        10147      10168           7.0         7.0           7.0
## 1894   102021        10147      10169           8.0         7.0           8.0
## 1895   102022        10147      10170           6.0         4.0           7.0
## 1896   102023        10147      10171           8.0         8.0           8.0
## 1897   102024        10148      10156          10.0         8.0           9.0
## 1898   102025        10148      10157           8.0         9.0           9.0
## 1899   102026        10148      10158           7.0        10.0           9.0
## 1900   102027        10148      10159           8.0         8.0          10.0
## 1901   102028        10148      10160           6.0         9.0           8.0
## 1902   102029        10148      10161           9.0         9.0           9.0
## 1903   102030        10148      10162           9.0        10.0           9.0
## 1904   102031        10148      10163           8.0        10.0           9.0
## 1905   102032        10148      10164           5.0         7.0           9.0
## 1906   102033        10148      10165           7.0         5.0           6.0
## 1907   102034        10148      10166           8.0         7.0           7.0
## 1908   102035        10148      10167           7.0         8.0           9.0
## 1909   102036        10148      10168           6.0         7.0           7.0
## 1910   102037        10148      10169           7.0         9.0           9.0
## 1911   102038        10148      10170           4.0         6.0           8.0
## 1912   102039        10148      10171           7.0         7.0           7.0
## 1913   102040        10149      10156          10.0         8.0           8.0
## 1914   102041        10149      10157           8.0         8.0           7.0
## 1915   102042        10149      10158           8.0         8.0            NA
## 1916   102043        10149      10159          10.0         8.0           8.0
## 1917   102044        10149      10160           8.0         7.0           7.0
## 1918   102045        10149      10161           8.0         9.0           8.0
## 1919   102046        10149      10162           9.0         9.0           7.0
## 1920   102047        10149      10163          10.0         9.0           8.0
```

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## 1921 102048          10149          10164              8.0        8.0              8.0
## 1922 102049          10149          10165              8.0        8.0              5.0
## 1923 102050          10149          10166              9.0        8.0              7.0
## 1924 102051          10149          10167              9.0        9.0              9.0
## 1925 102052          10149          10168              8.0        7.0              7.0
## 1926 102053          10149          10169              9.0        9.0              8.0
## 1927 102054          10149          10170              8.0        7.0              8.0
## 1928 102055          10149          10171              9.0        8.0              7.0
## 1929 102056          10150          10156              9.0        9.0              8.0
## 1930 102057          10150          10157              7.0        7.0              7.0
## 1931 102058          10150          10158              7.0        9.0             10.0
## 1932 102059          10150          10159              7.0       10.0              9.0
## 1933 102060          10150          10160              6.0        7.0              7.0
## 1934 102061          10150          10161              6.0        8.0              8.0
## 1935 102062          10150          10162              8.0        9.0              9.0
## 1936 102063          10150          10163              8.0        9.0             10.0
## 1937 102064          10150          10164              8.0        8.0               NA
## 1938 102065          10150          10165              7.0        8.0              8.0
## 1939 102066          10150          10166              7.0        7.0              7.0
## 1940 102067          10150          10167             10.0        9.0              8.0
## 1941 102068          10150          10168              5.0        7.0              6.0
## 1942 102069          10150          10169              7.0        7.0              8.0
## 1943 102070          10150          10170              7.0        8.0              8.0
## 1944 102071          10150          10171              5.0        5.0              5.0
## 1945 102072          10151          10156              7.0        9.0              8.0
## 1946 102073          10151          10157              7.0        7.0              7.0
## 1947 102074          10151          10158              7.0        9.0              8.0
## 1948 102075          10151          10159              7.0        9.0              6.0
## 1949 102076          10151          10160              5.0        7.0              6.0
## 1950 102077          10151          10161              8.0       10.0              8.0
## 1951 102078          10151          10162              7.0        8.0              8.0
## 1952 102079          10151          10163              7.0        8.0              8.0
## 1953 102080          10151          10164              6.0        7.0              7.0
## 1954 102081          10151          10165              4.0        8.0              6.0
## 1955 102082          10151          10166              7.0        7.0              7.0
## 1956 102083          10151          10167              9.0       10.0              8.0
## 1957 102084          10151          10168              5.0        7.0              7.0
## 1958 102085          10151          10169              6.0        8.0              8.0
## 1959 102086          10151          10170              4.0        6.0              8.0
## 1960 102087          10151          10171              5.0        5.0              5.0
## 1961 102088          10152          10156              9.0        9.0              7.0
## 1962 102089          10152          10157              7.0        8.0              7.0
## 1963 102090          10152          10158              8.0        8.0              8.0
## 1964 102091          10152          10159              9.0        9.0              8.0
## 1965 102092          10152          10160              7.0        6.0              7.0
## 1966 102093          10152          10161              8.0       10.0              8.0
## 1967 102094          10152          10162              8.0        7.0              7.0
## 1968 102095          10152          10163             10.0        8.0              8.0
## 1969 102096          10152          10164              7.0        7.0              7.0
## 1970 102097          10152          10165              5.0        7.0              7.0
## 1971 102098          10152          10166              8.0        8.0              8.0
## 1972 102099          10152          10167             10.0        9.0              9.0
## 1973 102100          10152          10168              6.0        6.0              7.0
## 1974 102101          10152          10169              9.0        7.0              8.0
```

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## 1975  102102      10152      10170        7.0       8.0           8.0
## 1976  102103      10152      10171        6.0       7.0           6.0
## 1977  102104      10153      10156       10.0       9.0           9.0
## 1978  102105      10153      10157        7.0       9.0           8.0
## 1979  102106      10153      10158        7.0       8.0           8.0
## 1980  102107      10153      10159        7.0       8.0           8.0
## 1981  102108      10153      10160        6.0       5.0           3.0
## 1982  102109      10153      10161        8.0       6.0           6.0
## 1983  102110      10153      10162        5.0      10.0           8.0
## 1984  102111      10153      10163        9.0       9.0           8.0
## 1985  102112      10153      10164        7.0       7.0           7.0
## 1986  102113      10153      10165        6.0       6.0           5.0
## 1987  102114      10153      10166        7.0       7.0           7.0
## 1988  102115      10153      10167        9.0       8.0           8.0
## 1989  102116      10153      10168        6.0       7.0           7.0
## 1990  102117      10153      10169       10.0       8.0           8.0
## 1991  102118      10153      10170        5.0       6.0           6.0
## 1992  102119      10153      10171        6.0       7.0           7.0
## 1993  102120      10154      10156        9.0       8.0           8.0
## 1994  102121      10154      10157        6.0       7.0           7.0
## 1995  102122      10154      10158        8.0      10.0           8.0
## 1996  102123      10154      10159        7.0       9.0          10.0
## 1997  102124      10154      10160        5.0       7.0           7.0
## 1998  102125      10154      10161        8.0       9.0           9.0
## 1999  102126      10154      10162        8.0       8.0          10.0
## 2000  102127      10154      10163        7.0       8.0           7.0
## 2001  102128      10154      10164        7.0       7.0           7.0
## 2002  102129      10154      10165        7.0       6.0           6.0
## 2003  102130      10154      10166        7.0       8.0           8.0
## 2004  102131      10154      10167        8.0       8.0          10.0
## 2005  102132      10154      10168        6.0       8.0           8.0
## 2006  102133      10154      10169        6.0       8.0           9.0
## 2007  102134      10154      10170        6.0       8.0           7.0
## 2008  102135      10154      10171        7.0       7.0           7.0
## 2009  102136      10155      10156        9.0       8.0           8.0
## 2010  102137      10155      10157        6.0      10.0           6.0
## 2011  102138      10155      10158       10.0       8.0           8.0
## 2012  102139      10155      10159        8.0       8.0           8.0
## 2013  102140      10155      10160        5.0       5.0           6.0
## 2014  102141      10155      10161        7.0       6.0           6.0
## 2015  102142      10155      10162        8.0       7.0           8.0
## 2016  102143      10155      10163        9.0       7.0           8.0
## 2017  102144      10155      10164        8.0       8.0           8.0
## 2018  102145      10155      10165        6.0       7.0           6.0
## 2019  102146      10155      10166        6.0       8.0           8.0
## 2020  102147      10155      10167       10.0       8.0           8.0
## 2021  102148      10155      10168        6.0       6.0           6.0
## 2022  102149      10155      10169        9.0       8.0           9.0
## 2023  102150      10155      10170        8.0       5.0           7.0
## 2024  102151      10155      10171        7.0       8.0           8.0
## 2025  102152      10156      10140        4.0       5.0           6.0
## 2026  102153      10156      10141        5.0       6.0           8.0
## 2027  102154      10156      10142        4.0       6.0           7.0
## 2028  102155      10156      10143        7.0      10.0          10.0
```

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## 2029   102156          10156        10144          4.0          6.0          8.0
## 2030   102157          10156        10145          5.0          5.0          8.0
## 2031   102158          10156        10146          4.0          8.0          8.0
## 2032   102159          10156        10147          6.0          7.0          7.0
## 2033   102160          10156        10148          5.0          5.0          8.0
## 2034   102161          10156        10149          4.0          5.0          5.0
## 2035   102162          10156        10150          6.0          7.0          7.0
## 2036   102163          10156        10151          6.0          6.0          8.0
## 2037   102164          10156        10152          5.0          8.0         10.0
## 2038   102165          10156        10153          2.0          6.0          7.0
## 2039   102166          10156        10154          4.0          7.0         10.0
## 2040   102167          10156        10155          2.0          3.0          3.0
## 2041   102168          10157        10140          5.0         10.0          9.0
## 2042   102169          10157        10141          4.0          6.0          8.0
## 2043   102170          10157        10142          4.0          7.0          8.0
## 2044   102171          10157        10143          7.0         10.0         10.0
## 2045   102172          10157        10144          5.0          7.0         10.0
## 2046   102173          10157        10145          5.0          6.0          8.0
## 2047   102174          10157        10146          3.0          8.0          8.0
## 2048   102175          10157        10147          4.0          7.0          8.0
## 2049   102176          10157        10148          5.0          8.0         10.0
## 2050   102177          10157        10149          3.0          7.0          7.0
## 2051   102178          10157        10150          4.0          6.0          5.0
## 2052   102179          10157        10151          5.0          5.0          6.0
## 2053   102180          10157        10152          6.0          8.0          9.0
## 2054   102181          10157        10153          1.0          4.0          6.0
## 2055   102182          10157        10154          3.0         10.0         10.0
## 2056   102183          10157        10155          2.0          6.0          6.0
## 2057   102184          10158        10140          8.0          8.0          8.0
## 2058   102185          10158        10141          5.0          5.0          7.0
## 2059   102186          10158        10142          7.0          8.0          8.0
## 2060   102187          10158        10143          8.0         10.0          7.0
## 2061   102188          10158        10144          8.0         10.0          7.0
## 2062   102189          10158        10145          8.0          6.0          7.0
## 2063   102190          10158        10146          7.0          5.0          7.0
## 2064   102191          10158        10147          9.0          7.0          8.0
## 2065   102192          10158        10148          9.0          7.0          7.0
## 2066   102193          10158        10149          8.0          6.0          8.0
## 2067   102194          10158        10150          6.0          8.0          7.0
## 2068   102195          10158        10151          5.0          6.0          6.0
## 2069   102196          10158        10152          9.0          9.0          9.0
## 2070   102197          10158        10153          7.0          7.0          6.0
## 2071   102198          10158        10154          7.0         10.0         10.0
## 2072   102199          10158        10155          7.0          6.0          7.0
## 2073   102200          10159        10140         10.0         10.0          9.0
## 2074   102201          10159        10141          5.0          6.0          8.0
## 2075   102202          10159        10142          8.0          8.0          8.0
## 2076   102203          10159        10143         10.0          9.0          9.0
## 2077   102204          10159        10144          6.0          8.0          8.0
## 2078   102205          10159        10145          7.0          6.0          7.0
## 2079   102206          10159        10146          5.0          8.0          8.0
## 2080   102207          10159        10147          8.0          6.0          8.0
## 2081   102208          10159        10148          8.0          5.0          8.0
## 2082   102209          10159        10149          9.0          7.0          8.0
```

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## 2083   102210          10159          10150             8.0           8.0              8.0
## 2084   102211          10159          10151             7.0           7.0              7.0
## 2085   102212          10159          10152            10.0           8.0              9.0
## 2086   102213          10159          10153             8.0           7.0              7.0
## 2087   102214          10159          10154             8.0           9.0             10.0
## 2088   102215          10159          10155             7.0           7.0              6.0
## 2089   102216          10160          10140             8.0          10.0              9.0
## 2090   102217          10160          10141             6.0           7.0              9.0
## 2091   102218          10160          10142             7.0           7.0              8.0
## 2092   102219          10160          10143             9.0           9.0              9.0
## 2093   102220          10160          10144             5.0           5.0             10.0
## 2094   102221          10160          10145             5.0           6.0              6.0
## 2095   102222          10160          10146             6.0           8.0              8.0
## 2096   102223          10160          10147             4.0           8.0              7.0
## 2097   102224          10160          10148             6.0           6.0              7.0
## 2098   102225          10160          10149             9.0           8.0              7.0
## 2099   102226          10160          10150             5.0           6.0              8.0
## 2100   102227          10160          10151             5.0           5.0              7.0
## 2101   102228          10160          10152             5.0           8.0              8.0
## 2102   102229          10160          10153             2.0           4.0              6.0
## 2103   102230          10160          10154             7.0           6.0             10.0
## 2104   102231          10160          10155             3.0           5.0              7.0
## 2105   102232          10161          10140             6.0           8.0              8.0
## 2106   102233          10161          10141             9.0           8.0              9.0
## 2107   102234          10161          10142             6.0           7.0              7.0
## 2108   102235          10161          10143             9.0           9.0              8.0
## 2109   102236          10161          10144             6.0           8.0              8.0
## 2110   102237          10161          10145             7.0           8.0              8.0
## 2111   102238          10161          10146             7.0           9.0              9.0
## 2112   102239          10161          10147             5.0           6.0              6.0
## 2113   102240          10161          10148             7.0           7.0              8.0
## 2114   102241          10161          10149             7.0           5.0              7.0
## 2115   102242          10161          10150             7.0           8.0              7.0
## 2116   102243          10161          10151             8.0           8.0              8.0
## 2117   102244          10161          10152             9.0           9.0              8.0
## 2118   102245          10161          10153             6.0           7.0              6.0
## 2119   102246          10161          10154             6.0           9.0             10.0
## 2120   102247          10161          10155             5.0           7.0              6.0
## 2121   102248          10162          10140             8.0           9.0             10.0
## 2122   102249          10162          10141             8.0           7.0              9.0
## 2123   102250          10162          10142             8.0           8.0              7.0
## 2124   102251          10162          10143             9.0          10.0             10.0
## 2125   102252          10162          10144            10.0           9.0             10.0
## 2126   102253          10162          10145             6.0           8.0              8.0
## 2127   102254          10162          10146             4.0           6.0              7.0
## 2128   102255          10162          10147             3.0           7.0              8.0
## 2129   102256          10162          10148             8.0           7.0              6.0
## 2130   102257          10162          10149             6.0           8.0              8.0
## 2131   102258          10162          10150             6.0           8.0              8.0
## 2132   102259          10162          10151             6.0           6.0              7.0
## 2133   102260          10162          10152             7.0           9.0              9.0
## 2134   102261          10162          10153             6.0           8.0              7.0
## 2135   102262          10162          10154             7.0           9.0             10.0
## 2136   102263          10162          10155             5.0           6.0              6.0
```

```
## 2137   102264        10163        10140          6.0      8.0          7.0
## 2138   102265        10163        10141         10.0      9.0          9.0
## 2139   102266        10163        10142          7.0      6.0          6.0
## 2140   102267        10163        10143          8.0      8.0          7.0
## 2141   102268        10163        10144          8.0      8.0          7.0
## 2142   102269        10163        10145          7.0      7.0          7.0
## 2143   102270        10163        10146          6.0      7.0          6.0
## 2144   102271        10163        10147          8.0      7.0          6.0
## 2145   102272        10163        10148          9.0      8.0          8.0
## 2146   102273        10163        10149          8.0      5.0          5.0
## 2147   102274        10163        10150          8.0      8.0          7.0
## 2148   102275        10163        10151          5.0      5.0          5.0
## 2149   102276        10163        10152          7.0      9.0          7.0
## 2150   102277        10163        10153          7.0      6.0          5.0
## 2151   102278        10163        10154          8.0      5.0         10.0
## 2152   102279        10163        10155          6.0      7.0          7.0
## 2153   102280        10164        10140          8.0      6.0          6.0
## 2154   102281        10164        10141          9.0      8.0          9.0
## 2155   102282        10164        10142          7.0      8.0          8.0
## 2156   102283        10164        10143          7.0      7.0          7.0
## 2157   102284        10164        10144          5.0      8.0          6.0
## 2158   102285        10164        10145          8.0      8.0          8.0
## 2159   102286        10164        10146          7.0      8.0          7.0
## 2160   102287        10164        10147          8.0      5.0          6.0
## 2161   102288        10164        10148          6.0      5.0          6.0
## 2162   102289        10164        10149          6.0      4.0          6.0
## 2163   102290        10164        10150          5.0      5.0          6.0
## 2164   102291        10164        10151          4.0      4.0          5.0
## 2165   102292        10164        10152          9.0      9.0          9.0
## 2166   102293        10164        10153          8.0      7.0          7.0
## 2167   102294        10164        10154          7.0      6.0         10.0
## 2168   102295        10164        10155          6.0      7.0          7.0
## 2169   102296        10165        10140          8.0      8.0          8.0
## 2170   102297        10165        10141          5.0      6.0          7.0
## 2171   102298        10165        10142          6.0      7.0          8.0
## 2172   102299        10165        10143         10.0      9.0          9.0
## 2173   102300        10165        10144          5.0      7.0          8.0
## 2174   102301        10165        10145          6.0      6.0          6.0
## 2175   102302        10165        10146          3.0      8.0          8.0
## 2176   102303        10165        10147          4.0      6.0          7.0
## 2177   102304        10165        10148          7.0      7.0          8.0
## 2178   102305        10165        10149          6.0      3.0          6.0
## 2179   102306        10165        10150          7.0      9.0          8.0
## 2180   102307        10165        10151          5.0      6.0          7.0
## 2181   102308        10165        10152          8.0      8.0          8.0
## 2182   102309        10165        10153          5.0      5.0          6.0
## 2183   102310        10165        10154          6.0      9.0         10.0
## 2184   102311        10165        10155          4.0      5.0          5.0
## 2185   102312        10166        10140          6.0      9.0          9.0
## 2186   102313        10166        10141          7.0      8.0          9.0
## 2187   102314        10166        10142          5.0      5.0          6.0
## 2188   102315        10166        10143          6.0      9.0          8.0
## 2189   102316        10166        10144          6.0      8.0         10.0
## 2190   102317        10166        10145          4.0      8.0          8.0
```

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## 2191   102318        10166       10146           2.0         8.0           8.0
## 2192   102319        10166       10147           4.0         7.0           8.0
## 2193   102320        10166       10148           7.0         8.0           8.0
## 2194   102321        10166       10149           6.0         3.0           7.0
## 2195   102322        10166       10150           4.0         7.0           7.0
## 2196   102323        10166       10151           5.0         6.0           6.0
## 2197   102324        10166       10152           5.0         9.0           7.0
## 2198   102325        10166       10153           3.0         6.0           4.0
## 2199   102326        10166       10154           6.0         9.0          10.0
## 2200   102327        10166       10155           2.0         8.0           8.0
## 2201   102328        10167       10140          10.0        10.0          10.0
## 2202   102329        10167       10141           8.0         9.0           9.0
## 2203   102330        10167       10142           7.0         7.0           8.0
## 2204   102331        10167       10143           9.0         7.0           9.0
## 2205   102332        10167       10144           8.0         8.0           8.0
## 2206   102333        10167       10145           8.0         7.0           8.0
## 2207   102334        10167       10146           8.0         8.0           8.0
## 2208   102335        10167       10147           8.0         7.0           8.0
## 2209   102336        10167       10148           9.0         9.0           9.0
## 2210   102337        10167       10149           7.0         8.0           7.0
## 2211   102338        10167       10150           8.0         9.0           9.0
## 2212   102339        10167       10151           7.0         7.0           7.0
## 2213   102340        10167       10152           9.0         9.0           9.0
## 2214   102341        10167       10153           8.0         8.0           8.0
## 2215   102342        10167       10154           7.0         9.0          10.0
## 2216   102343        10167       10155           8.0         7.0           7.0
## 2217   102344        10168       10140           4.0         7.0           7.0
## 2218   102345        10168       10141           5.0         5.0           9.0
## 2220   102347        10168       10143           8.0        10.0           9.0
## 2221   102348        10168       10144           6.0         8.0           8.0
## 2222   102349        10168       10145           4.0         7.0           8.0
## 2223   102350        10168       10146           3.0         8.0           8.0
## 2224   102351        10168       10147           4.0         8.0           7.0
## 2225   102352        10168       10148           5.0         6.0           9.0
## 2226   102353        10168       10149           3.0         8.0           8.0
## 2227   102354        10168       10150           4.0         6.0           7.0
## 2228   102355        10168       10151           5.0         5.0           7.0
## 2229   102356        10168       10152           6.0        10.0          10.0
## 2230   102357        10168       10153           2.0         8.0           8.0
## 2231   102358        10168       10154           4.0         8.0          10.0
## 2232   102359        10168       10155           3.0         6.0           7.0
## 2233   102360        10169       10140           4.0        10.0           9.0
## 2234   102361        10169       10141           8.0         9.0           9.0
## 2235   102362        10169       10142           5.0         7.0           8.0
## 2236   102363        10169       10143           9.0         9.0           9.0
## 2237   102364        10169       10144           8.0         8.0           8.0
## 2238   102365        10169       10145           4.0         7.0           9.0
## 2239   102366        10169       10146           4.0         8.0           8.0
## 2240   102367        10169       10147           6.0         8.0           8.0
## 2241   102368        10169       10148           6.0         7.0           9.0
## 2242   102369        10169       10149           5.0         7.0           6.0
## 2243   102370        10169       10150           6.0         7.0           8.0
## 2244   102371        10169       10151           6.0         6.0           7.0
## 2245   102372        10169       10152           8.0         9.0           9.0
```

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## 2246   102373        10169        10153        4.0        7.0             7.0
## 2247   102374        10169        10154        5.0        8.0            10.0
## 2248   102375        10169        10155        5.0        7.0             7.0
## 2249   102376        10170        10140        8.0        7.0             8.0
## 2250   102377        10170        10141        8.0        8.0             9.0
## 2251   102378        10170        10142        5.0        8.0             7.0
## 2252   102379        10170        10143        9.0        9.0             9.0
## 2253   102380        10170        10144        8.0        8.0             8.0
## 2254   102381        10170        10145        8.0       10.0            10.0
## 2255   102382        10170        10146        7.0        8.0             8.0
## 2256   102383        10170        10147        7.0        7.0             7.0
## 2257   102384        10170        10148        6.0        7.0             8.0
## 2258   102385        10170        10149        7.0        8.0             7.0
## 2259   102386        10170        10150        6.0        8.0             7.0
## 2260   102387        10170        10151        6.0        5.0             6.0
## 2261   102388        10170        10152        9.0       10.0            10.0
## 2262   102389        10170        10153        5.0        8.0             8.0
## 2263   102390        10170        10154        5.0        9.0            10.0
## 2264   102391        10170        10155        7.0        7.0             7.0
## 2265   102392        10171        10140        6.0        4.0             8.0
## 2266   102393        10171        10141        7.0        5.0             8.0
## 2267   102394        10171        10142        6.0        7.0             8.0
## 2268   102395        10171        10143        8.0       10.0            10.0
## 2269   102396        10171        10144        6.0        8.0             8.0
## 2270   102397        10171        10145        6.0        8.0             8.0
## 2271   102398        10171        10146        7.0        9.0             9.0
## 2272   102399        10171        10147        5.0        8.0             8.0
## 2273   102400        10171        10148        6.0        8.0             8.0
## 2274   102401        10171        10149        8.0        7.0             8.0
## 2275   102402        10171        10150        5.0        8.0             8.0
## 2276   102403        10171        10151        5.0        5.0             6.0
## 2277   102404        10171        10152        9.0        9.0            10.0
## 2278   102405        10171        10153        3.0        8.0             8.0
## 2279   102406        10171        10154        6.0        9.0            10.0
## 2280   102407        10171        10155        5.0        6.0             5.0
## 2281   102408        10172        10182        8.0       10.0            10.0
## 2282   102409        10172        10183        6.0        6.0             7.0
## 2283   102410        10172        10184        4.0        6.0             6.0
## 2284   102411        10172        10185        6.0        8.0              NA
## 2285   102412        10172        10186        4.0        5.0             5.0
## 2286   102413        10172        10187        5.0        8.0             7.0
## 2287   102414        10172        10188        5.0        8.0             8.0
## 2288   102415        10172        10189        5.0        8.0             7.0
## 2289   102416        10172        10190        3.0        8.0             8.0
## 2290   102417        10172        10191        3.0        9.0             7.0
## 2291   102418        10173        10182        7.0       10.0            10.0
## 2292   102419        10173        10183        3.0        8.0             8.0
## 2293   102420        10173        10184        7.0        6.0             6.0
## 2294   102421        10173        10185        6.0         NA            10.0
## 2295   102422        10173        10186        6.0        5.0             6.0
## 2296   102423        10173        10187        6.0        6.0             5.0
## 2297   102424        10173        10188        9.0        8.0             8.0
## 2298   102425        10173        10189        5.0        9.0             8.0
## 2299   102426        10173        10190        4.0        8.0             7.0
```

```
## 2300   102427        10173        10191          5.0          8.0          8.0
## 2301   102428        10174        10182         10.0         10.0         10.0
## 2302   102429        10174        10183          3.0          8.0          8.0
## 2303   102430        10174        10184          8.0          7.0          7.0
## 2304   102431        10174        10185           NA           NA           NA
## 2305   102432        10174        10186          6.0          5.0          7.0
## 2306   102433        10174        10187          8.0          8.0          5.0
## 2307   102434        10174        10188          9.0           NA          8.0
## 2308   102435        10174        10189          7.0          8.0          7.0
## 2309   102436        10174        10190          7.0          8.0          9.0
## 2310   102437        10174        10191          6.0          9.0          9.0
## 2311   102438        10175        10182          8.0         10.0         10.0
## 2312   102439        10175        10183          2.0          9.0          9.0
## 2313   102440        10175        10184          5.0          5.0          7.0
## 2314   102441        10175        10185          4.0           NA           NA
## 2315   102442        10175        10186          3.0          4.0          5.0
## 2316   102443        10175        10187          5.0          6.0          6.0
## 2317   102444        10175        10188          5.0           NA          5.0
## 2318   102445        10175        10189          5.0          7.0          7.0
## 2319   102446        10175        10190          6.0          8.0          6.0
## 2320   102447        10175        10191          6.0          8.0          8.0
## 2321   102448        10176        10182          8.0         10.0         10.0
## 2322   102449        10176        10183          3.0          7.0          7.0
## 2323   102450        10176        10184          5.0          6.0          6.0
## 2325   102452        10176        10186          5.0          5.0          6.0
## 2326   102453        10176        10187          5.0          8.0          8.0
## 2327   102454        10176        10188          3.0          9.0          8.0
## 2328   102455        10176        10189          5.0          8.0          7.0
## 2329   102456        10176        10190          4.0          7.0          6.0
## 2330   102457        10176        10191          3.0          9.0          9.0
## 2331   102458        10177        10182         10.0         10.0         10.0
## 2332   102459        10177        10183          8.0          8.0          9.0
## 2333   102460        10177        10184          7.0          7.0          7.0
## 2334   102461        10177        10185          7.0          7.0          7.0
## 2335   102462        10177        10186          7.0          6.0          6.0
## 2336   102463        10177        10187          7.0          8.0          8.0
## 2337   102464        10177        10188         10.0          8.0         10.0
## 2338   102465        10177        10189          8.0          8.0          9.0
## 2339   102466        10177        10190          7.0          7.0          8.0
## 2340   102467        10177        10191          9.0          9.0          9.0
## 2341   102468        10178        10182         10.0          9.0          8.0
## 2342   102469        10178        10183          9.0         10.0          8.0
## 2343   102470        10178        10184          7.0          7.0           NA
## 2344   102471        10178        10185           NA           NA          7.0
## 2345   102472        10178        10186          8.0          8.0          5.0
## 2346   102473        10178        10187          6.0          8.0          8.0
## 2347   102474        10178        10188          7.0          5.0          7.0
## 2348   102475        10178        10189          7.0          8.0          7.0
## 2349   102476        10178        10190          7.0          7.0          8.0
## 2350   102477        10178        10191          7.0          8.0          8.0
## 2351   102478        10179        10182         10.0         10.0         10.0
## 2352   102479        10179        10183          9.0         10.0          8.0
## 2353   102480        10179        10184          6.0          8.0          8.0
## 2354   102481        10179        10185           NA           NA           NA
```

## 2355	102482	10179	10186	6.0	7.0	5.0
## 2356	102483	10179	10187	6.0	7.0	7.0
## 2357	102484	10179	10188	6.0	9.0	NA
## 2358	102485	10179	10189	8.0	8.0	8.0
## 2359	102486	10179	10190	7.0	7.0	6.0
## 2360	102487	10179	10191	8.0	10.0	8.0
## 2361	102488	10180	10182	8.0	10.0	10.0
## 2362	102489	10180	10183	6.0	8.0	9.0
## 2363	102490	10180	10184	5.0	7.0	6.0
## 2364	102491	10180	10185	NA	NA	NA
## 2365	102492	10180	10186	5.0	7.0	7.0
## 2366	102493	10180	10187	5.0	7.0	6.0
## 2367	102494	10180	10188	7.0	5.0	7.0
## 2368	102495	10180	10189	5.0	7.0	7.0
## 2369	102496	10180	10190	3.0	8.0	7.0
## 2370	102497	10180	10191	3.0	9.0	7.0
## 2371	102498	10181	10182	10.0	10.0	10.0
## 2372	102499	10181	10183	6.0	6.0	6.0
## 2373	102500	10181	10184	7.0	7.0	6.0
## 2374	102501	10181	10185	4.0	NA	NA
## 2375	102502	10181	10186	4.0	5.0	5.0
## 2376	102503	10181	10187	6.0	8.0	7.0
## 2377	102504	10181	10188	8.0	3.0	8.0
## 2378	102505	10181	10189	5.0	7.0	7.0
## 2379	102506	10181	10190	5.0	7.0	6.0
## 2380	102507	10181	10191	6.0	8.0	7.0
## 2381	102508	10182	10172	5.0	6.0	6.0
## 2382	102509	10182	10173	7.0	7.0	7.0
## 2383	102510	10182	10174	7.0	7.0	8.0
## 2384	102511	10182	10175	5.0	7.0	7.0
## 2385	102512	10182	10176	5.0	7.0	7.0
## 2386	102513	10182	10177	3.0	7.0	6.0
## 2387	102514	10182	10178	7.0	8.0	7.0
## 2388	102515	10182	10179	8.0	9.0	8.0
## 2389	102516	10182	10180	7.0	8.0	8.0
## 2390	102517	10182	10181	8.0	9.0	9.0
## 2391	102518	10183	10172	5.0	5.0	5.0
## 2392	102519	10183	10173	2.0	7.0	7.0
## 2393	102520	10183	10174	6.0	5.0	6.0
## 2394	102521	10183	10175	2.0	3.0	3.0
## 2395	102522	10183	10176	7.0	7.0	7.0
## 2396	102523	10183	10177	4.0	6.0	6.0
## 2397	102524	10183	10178	4.0	4.0	4.0
## 2398	102525	10183	10179	6.0	8.0	9.0
## 2399	102526	10183	10180	7.0	7.0	8.0
## 2400	102527	10183	10181	7.0	6.0	7.0
## 2401	102528	10184	10172	5.0	5.0	6.0
## 2402	102529	10184	10173	2.0	8.0	8.0
## 2403	102530	10184	10174	7.0	8.0	7.0
## 2404	102531	10184	10175	2.0	6.0	7.0
## 2405	102532	10184	10176	5.0	7.0	7.0
## 2406	102533	10184	10177	4.0	8.0	7.0
## 2407	102534	10184	10178	6.0	7.0	7.0
## 2408	102535	10184	10179	8.0	8.0	9.0

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## 2409   102536          10184       10180          6.0        8.0            10.0
## 2410   102537          10184       10181          8.0        8.0             8.0
## 2411   102538          10185       10172          5.0        5.0             5.0
## 2412   102539          10185       10173          4.0        6.0             7.0
## 2414   102541          10185       10175          4.0        6.0             7.0
## 2416   102543          10185       10177          4.0        8.0             7.0
## 2417   102544          10185       10178          5.0        5.0             5.0
## 2419   102546          10185       10180          6.0        8.0             9.0
## 2420   102547          10185       10181          6.0        6.0             6.0
## 2421   102548          10186       10172          5.0        5.0             5.0
## 2422   102549          10186       10173          4.0        7.0             7.0
## 2423   102550          10186       10174          7.0        5.0             6.0
## 2424   102551          10186       10175          1.0        6.0             6.0
## 2425   102552          10186       10176          5.0        6.0             7.0
## 2426   102553          10186       10177          4.0        8.0             7.0
## 2427   102554          10186       10178          7.0        8.0             8.0
## 2428   102555          10186       10179          4.0        4.0             4.0
## 2429   102556          10186       10180          1.0        7.0             8.0
## 2430   102557          10186       10181          6.0        7.0             7.0
## 2431   102558          10187       10172          5.0        5.0             5.0
## 2432   102559          10187       10173          4.0        7.0             7.0
## 2433   102560          10187       10174          6.0        7.0             7.0
## 2434   102561          10187       10175          4.0        6.0             6.0
## 2435   102562          10187       10176          7.0        7.0             7.0
## 2436   102563          10187       10177          4.0        8.0             7.0
## 2437   102564          10187       10178          7.0        6.0             7.0
## 2438   102565          10187       10179          5.0       10.0             8.0
## 2439   102566          10187       10180          6.0        8.0             8.0
## 2440   102567          10187       10181          6.0        8.0             8.0
## 2441   102568          10188       10172          5.0        5.0             6.0
## 2442   102569          10188       10173          7.0        8.0             7.0
## 2443   102570          10188       10174          8.0        7.0             6.0
## 2444   102571          10188       10175          6.0        7.0             7.0
## 2445   102572          10188       10176          7.0        5.0             7.0
## 2446   102573          10188       10177          7.0        6.0             7.0
## 2447   102574          10188       10178          8.0        7.0             7.0
## 2448   102575          10188       10179          5.0        5.0             6.0
## 2449   102576          10188       10180          7.0        8.0             9.0
## 2450   102577          10188       10181          7.0        7.0             7.0
## 2451   102578          10189       10172          5.0        6.0             5.0
## 2452   102579          10189       10173          1.0        7.0             8.0
## 2453   102580          10189       10174          8.0        6.0             7.0
## 2454   102581          10189       10175          7.0        7.0             7.0
## 2455   102582          10189       10176          8.0        7.0             7.0
## 2456   102583          10189       10177          4.0        7.0             6.0
## 2457   102584          10189       10178          8.0        7.0             8.0
## 2458   102585          10189       10179          8.0        9.0             8.0
## 2459   102586          10189       10180          9.0        9.0             9.0
## 2460   102587          10189       10181          7.0        7.0             7.0
## 2461   102588          10190       10172          6.0        5.0             6.0
## 2462   102589          10190       10173          1.0        5.0             7.0
## 2463   102590          10190       10174          8.0        7.0             9.0
## 2464   102591          10190       10175          7.0        7.0             8.0
## 2465   102592          10190       10176          6.0        6.0             7.0
```

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## 2466   102593        10190      10177        6.0        6.0        6.0
## 2467   102594        10190      10178        9.0        8.0        8.0
## 2468   102595        10190      10179        6.0        4.0        4.0
## 2469   102596        10190      10180        8.0        9.0        9.0
## 2470   102597        10190      10181        8.0        8.0        8.0
## 2471   102598        10191      10172        6.0        5.0        6.0
## 2472   102599        10191      10173        4.0        6.0        7.0
## 2473   102600        10191      10174        7.0        8.0        8.0
## 2474   102601        10191      10175        5.0        7.0        7.0
## 2475   102602        10191      10176        7.0        8.0        8.0
## 2476   102603        10191      10177        5.0        7.0        7.0
## 2477   102604        10191      10178        7.0        7.0        7.0
## 2478   102605        10191      10179        8.0        8.0        9.0
## 2479   102606        10191      10180        5.0        8.0        9.0
## 2480   102607        10191      10181        7.0        8.0        7.0
## 2481   102608        10192      10212        7.0        8.0        6.0
## 2482   102609        10192      10213        3.0        4.0        4.0
## 2483   102610        10192      10214        5.0        5.0        7.0
## 2484   102611        10192      10215        3.0        9.0        9.0
## 2485   102612        10192      10216        2.0        6.0        4.0
## 2486   102613        10192      10217        3.0        7.0         NA
## 2487   102614        10192      10218        5.0        8.0        8.0
## 2488   102615        10192      10219        4.0        3.0        6.0
## 2489   102616        10192      10220        7.0        4.0        4.0
## 2490   102617        10192      10221        7.0        7.0        7.0
## 2491   102618        10192      10222        5.0        8.0        7.0
## 2492   102619        10192      10223        6.0        4.0        5.0
## 2493   102620        10192      10224        4.0        5.0        5.0
## 2494   102621        10192      10225        4.0        6.0        6.0
## 2495   102622        10192      10226        6.0        7.0        6.0
## 2496   102623        10192      10227        1.0        5.0        5.0
## 2497   102624        10192      10228        3.0        5.0        5.0
## 2498   102625        10192      10229        5.0        4.0        6.0
## 2499   102626        10192      10230        5.0        5.0        5.0
## 2500   102627        10192      10231        6.0        7.0        8.0
## 2501   102628        10193      10212        9.0        8.0        7.0
## 2502   102629        10193      10213        5.0        9.0        8.0
## 2503   102630        10193      10214        7.0        7.0        9.0
## 2504   102631        10193      10215        6.0        5.0        9.0
## 2505   102632        10193      10216        6.0        7.0        7.0
## 2506   102633        10193      10217        7.0        8.0        7.0
## 2507   102634        10193      10218        8.0        8.0        9.0
## 2508   102635        10193      10219        7.0        8.0        8.0
## 2509   102636        10193      10220        6.0        3.0        8.0
## 2510   102637        10193      10221        6.0        8.0        6.0
## 2511   102638        10193      10222        7.0        6.0        7.0
## 2512   102639        10193      10223        6.0        7.0        7.0
## 2513   102640        10193      10224        6.0        7.0        7.0
## 2514   102641        10193      10225        6.0        4.0        8.0
## 2515   102642        10193      10226        6.0        6.0        6.0
## 2516   102643        10193      10227        8.0        9.0        7.0
## 2517   102644        10193      10228        8.0        7.0        7.0
## 2518   102645        10193      10229        6.0        8.0        8.0
## 2519   102646        10193      10230        7.0        8.0        8.0
```

```
## 2520   102647          10193          10231              6.0            7.0                7.0
## 2521   102648          10194          10212              7.0            8.0                8.0
## 2522   102649          10194          10213              5.0            8.0                5.0
## 2523   102650          10194          10214              7.0            6.0                9.0
## 2524   102651          10194          10215              4.0            7.0                8.0
## 2525   102652          10194          10216              2.0            5.0                4.0
## 2526   102653          10194          10217              8.0            7.0                7.0
## 2527   102654          10194          10218             10.0           10.0               10.0
## 2528   102655          10194          10219              6.0            5.0                5.0
## 2529   102656          10194          10220              7.0            6.0                5.0
## 2530   102657          10194          10221              7.0            8.0                6.0
## 2531   102658          10194          10222              7.0            8.0                5.0
## 2532   102659          10194          10223              6.0            5.0                5.0
## 2533   102660          10194          10224              5.0            8.0                7.0
## 2534   102661          10194          10225              5.0            7.0                7.0
## 2535   102662          10194          10226              6.0            7.0                6.0
## 2536   102663          10194          10227              6.0            7.0                8.0
## 2537   102664          10194          10228              8.0            7.0                8.0
## 2538   102665          10194          10229              8.0            6.0                7.0
## 2539   102666          10194          10230              6.0            6.0                6.0
## 2540   102667          10194          10231              7.0            8.0                7.0
## 2541   102668          10195          10212              8.0            8.0                9.0
## 2542   102669          10195          10213              7.0            9.0                9.0
## 2543   102670          10195          10214              6.0            8.0                8.0
## 2544   102671          10195          10215              7.0            7.0                9.0
## 2545   102672          10195          10216              3.0            3.0                4.0
## 2546   102673          10195          10217              6.0            8.0                6.0
## 2547   102674          10195          10218              8.0            8.0                7.0
## 2548   102675          10195          10219              7.0            6.0                7.0
## 2549   102676          10195          10220              8.0            4.0                7.0
## 2550   102677          10195          10221              8.0            6.0                7.0
## 2551   102678          10195          10222              5.0            8.0                8.0
## 2552   102679          10195          10223              6.0            6.0                6.0
## 2553   102680          10195          10224              8.0            8.0                8.0
## 2554   102681          10195          10225              7.0            7.0                7.0
## 2555   102682          10195          10226              5.0            6.0                6.0
## 2556   102683          10195          10227              4.0            8.0                8.0
## 2557   102684          10195          10228              7.0            6.0                7.0
## 2558   102685          10195          10229              9.0            5.0                6.0
## 2559   102686          10195          10230             10.0           10.0                9.0
## 2560   102687          10195          10231              8.0            8.0                8.0
## 2561   102688          10196          10212              6.0            7.0                7.0
## 2562   102689          10196          10213              3.0            7.0                5.0
## 2563   102690          10196          10214              8.0            8.0                8.0
## 2564   102691          10196          10215              3.0            7.0                6.0
## 2565   102692          10196          10216              3.0            7.0                5.0
## 2566   102693          10196          10217              3.0            6.0                5.0
## 2567   102694          10196          10218              8.0            8.0                8.0
## 2568   102695          10196          10219              3.0            5.0                6.0
## 2569   102696          10196          10220              4.0            7.0                8.0
## 2570   102697          10196          10221              6.0            8.0                8.0
## 2571   102698          10196          10222              5.0            6.0                6.0
## 2572   102699          10196          10223              4.0            5.0                6.0
## 2573   102700          10196          10224              3.0            7.0                6.0
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## 2574   102701        10196       10225          3.0         3.0          5.0
## 2575   102702        10196       10226          6.0         9.0          7.0
## 2576   102703        10196       10227          3.0         4.0          5.0
## 2577   102704        10196       10228          9.0         8.0          8.0
## 2578   102705        10196       10229          3.0         6.0          5.0
## 2579   102706        10196       10230          3.0         6.0          5.0
## 2580   102707        10196       10231          6.0         8.0          8.0
## 2581   102708        10197       10212          8.0         6.0          7.0
## 2582   102709        10197       10213          5.0         6.0          6.0
## 2583   102710        10197       10214          8.0         7.0          7.0
## 2584   102711        10197       10215          9.0         6.0          7.0
## 2585   102712        10197       10216          4.0         4.0          6.0
## 2586   102713        10197       10217          6.0         6.0          6.0
## 2587   102714        10197       10218          8.0         6.0          7.0
## 2588   102715        10197       10219          8.0         6.0          7.0
## 2589   102716        10197       10220         10.0         7.0          9.0
## 2590   102717        10197       10221          9.0         7.0          8.0
## 2591   102718        10197       10222          8.0         5.0          5.0
## 2592   102719        10197       10223          5.0         6.0          8.0
## 2593   102720        10197       10224          7.0         6.0          6.0
## 2594   102721        10197       10225          8.0         8.0          8.0
## 2595   102722        10197       10226          6.0         6.0          7.0
## 2596   102723        10197       10227          5.0         3.0          6.0
## 2597   102724        10197       10228          8.0         6.0          6.0
## 2598   102725        10197       10229          9.0         4.0          6.0
## 2599   102726        10197       10230          6.0         5.0          6.0
## 2600   102727        10197       10231          9.0         7.0          8.0
## 2601   102728        10198       10212          9.0         5.0          6.0
## 2602   102729        10198       10213          8.0         7.0          7.0
## 2603   102730        10198       10214          8.0         8.0          8.0
## 2604   102731        10198       10215          7.0         7.0          7.0
## 2605   102732        10198       10216          7.0         6.0          7.0
## 2606   102733        10198       10217          7.0         7.0          7.0
## 2607   102734        10198       10218          9.0         9.0          9.0
## 2608   102735        10198       10219          7.0         6.0          7.0
## 2609   102736        10198       10220          8.0         6.0          4.0
## 2610   102737        10198       10221          8.0         9.0          8.0
## 2611   102738        10198       10222          9.0         6.0          6.0
## 2612   102739        10198       10223          7.0         7.0          8.0
## 2613   102740        10198       10224          7.0         7.0          8.0
## 2614   102741        10198       10225          8.0         7.0          8.0
## 2615   102742        10198       10226          4.0         7.0          7.0
## 2616   102743        10198       10227          8.0         8.0          6.0
## 2617   102744        10198       10228          6.0         6.0          6.0
## 2618   102745        10198       10229          8.0         8.0          7.0
## 2619   102746        10198       10230          8.0         8.0          9.0
## 2621   102748        10199       10212          9.0         7.0          8.0
## 2622   102749        10199       10213          6.0         8.0          9.0
## 2623   102750        10199       10214          9.0         9.0          9.0
## 2624   102751        10199       10215          5.0         7.0          6.0
## 2625   102752        10199       10216          6.0         6.0          6.0
## 2626   102753        10199       10217          5.0         8.0          6.0
## 2627   102754        10199       10218         10.0        10.0         10.0
## 2628   102755        10199       10219          7.0         7.0          8.0
```

```
## 2629   102756        10199        10220          5.0          4.0          4.0
## 2630   102757        10199        10221          8.0          9.0          8.0
## 2631   102758        10199        10222          6.0          6.0          7.0
## 2632   102759        10199        10223          5.0          7.0          7.0
## 2633   102760        10199        10224          6.0          7.0          7.0
## 2634   102761        10199        10225          6.0          8.0          8.0
## 2635   102762        10199        10226          6.0          7.0          7.0
## 2636   102763        10199        10227          5.0          8.0          7.0
## 2637   102764        10199        10228          9.0          8.0          9.0
## 2638   102765        10199        10229          6.0          6.0          6.0
## 2639   102766        10199        10230          6.0          6.0          7.0
## 2640   102767        10199        10231          7.0          8.0          8.0
## 2641   102768        10200        10212          9.0          8.0          9.0
## 2642   102769        10200        10213          3.0          7.0          7.0
## 2643   102770        10200        10214          9.0          9.0          9.0
## 2644   102771        10200        10215          5.0          7.0          9.0
## 2645   102772        10200        10216          6.0          6.0          8.0
## 2646   102773        10200        10217          4.0          7.0          7.0
## 2647   102774        10200        10218          8.0          8.0          8.0
## 2648   102775        10200        10219          8.0          8.0          8.0
## 2649   102776        10200        10220          6.0          4.0          7.0
## 2650   102777        10200        10221          6.0          7.0          7.0
## 2651   102778        10200        10222          7.0          6.0          7.0
## 2652   102779        10200        10223          4.0          6.0          7.0
## 2653   102780        10200        10224          4.0          7.0          8.0
## 2654   102781        10200        10225          4.0          6.0          7.0
## 2655   102782        10200        10226          4.0          8.0          7.0
## 2656   102783        10200        10227          2.0          8.0          9.0
## 2657   102784        10200        10228          7.0          6.0          7.0
## 2658   102785        10200        10229          6.0          6.0          7.0
## 2659   102786        10200        10230          6.0          7.0          7.0
## 2660   102787        10200        10231          7.0          8.0          8.0
## 2661   102788        10201        10212          9.0          8.0          9.0
## 2662   102789        10201        10213          6.0          8.0          7.0
## 2663   102790        10201        10214          9.0          9.0          9.0
## 2664   102791        10201        10215          6.0          8.0          9.0
## 2665   102792        10201        10216          6.0          6.0          8.0
## 2666   102793        10201        10217          7.0          7.0          7.0
## 2667   102794        10201        10218          9.0          9.0          9.0
## 2668   102795        10201        10219          6.0          7.0          9.0
## 2669   102796        10201        10220          8.0          5.0          6.0
## 2670   102797        10201        10221          9.0          9.0          9.0
## 2671   102798        10201        10222          6.0          8.0          8.0
## 2672   102799        10201        10223          6.0          5.0          7.0
## 2673   102800        10201        10224          5.0          8.0          8.0
## 2674   102801        10201        10225          5.0          7.0          7.0
## 2675   102802        10201        10226          6.0          7.0          7.0
## 2676   102803        10201        10227          6.0          6.0          9.0
## 2677   102804        10201        10228          7.0          7.0          8.0
## 2678   102805        10201        10229          8.0          8.0          8.0
## 2679   102806        10201        10230          7.0          8.0          8.0
## 2680   102807        10201        10231          8.0          8.0          8.0
## 2681   102808        10202        10212          9.0          7.0          8.0
## 2682   102809        10202        10213          6.0          7.0          7.0
```

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## 2683   102810        10202       10214          7.0       10.0           10.0
## 2684   102811        10202       10215          4.0        6.0            7.0
## 2685   102812        10202       10216          6.0        5.0            5.0
## 2686   102813        10202       10217          6.0        6.0            8.0
## 2687   102814        10202       10218          7.0        8.0            8.0
## 2688   102815        10202       10219          4.0        5.0            6.0
## 2689   102816        10202       10220          7.0        6.0            2.0
## 2690   102817        10202       10221          8.0        8.0            8.0
## 2691   102818        10202       10222          6.0        2.0            3.0
## 2692   102819        10202       10223          7.0        7.0            7.0
## 2693   102820        10202       10224          3.0        3.0            5.0
## 2694   102821        10202       10225          4.0        4.0            5.0
## 2695   102822        10202       10226          4.0        7.0            5.0
## 2696   102823        10202       10227          3.0        5.0            8.0
## 2697   102824        10202       10228          5.0        8.0            8.0
## 2698   102825        10202       10229          6.0        3.0            6.0
## 2699   102826        10202       10230          6.0        7.0            6.0
## 2700   102827        10202       10231          7.0        8.0            8.0
## 2701   102828        10203       10212         10.0        9.0            8.0
## 2702   102829        10203       10213          6.0        8.0            8.0
## 2703   102830        10203       10214          7.0        8.0            7.0
## 2704   102831        10203       10215          5.0        6.0            5.0
## 2705   102832        10203       10216          6.0        6.0            7.0
## 2706   102833        10203       10217          8.0        7.0            7.0
## 2707   102834        10203       10218          8.0       10.0           10.0
## 2708   102835        10203       10219          5.0        5.0            7.0
## 2709   102836        10203       10220          7.0        5.0            6.0
## 2710   102837        10203       10221          8.0        8.0            8.0
## 2711   102838        10203       10222          5.0        1.0            5.0
## 2712   102839        10203       10223          7.0        4.0            5.0
## 2713   102840        10203       10224          3.0        7.0            7.0
## 2714   102841        10203       10225          3.0        5.0            6.0
## 2715   102842        10203       10226          6.0        7.0            7.0
## 2716   102843        10203       10227          3.0        5.0            4.0
## 2717   102844        10203       10228          6.0        8.0            8.0
## 2718   102845        10203       10229          7.0        6.0            8.0
## 2719   102846        10203       10230          8.0        9.0            8.0
## 2720   102847        10203       10231          7.0        7.0            6.0
## 2721   102848        10204       10212          7.0        8.0            8.0
## 2722   102849        10204       10213          6.0        8.0            7.0
## 2723   102850        10204       10214          5.0       10.0            8.0
## 2724   102851        10204       10215          3.0        7.0            7.0
## 2725   102852        10204       10216          5.0        7.0            8.0
## 2726   102853        10204       10217          5.0        6.0            6.0
## 2727   102854        10204       10218         10.0       10.0           10.0
## 2728   102855        10204       10219          6.0        6.0            7.0
## 2729   102856        10204       10220          6.0        5.0            6.0
## 2730   102857        10204       10221         10.0        9.0           10.0
## 2731   102858        10204       10222          6.0        7.0            8.0
## 2732   102859        10204       10223          6.0        8.0            8.0
## 2733   102860        10204       10224          6.0        8.0            8.0
## 2734   102861        10204       10225          4.0        5.0            6.0
## 2735   102862        10204       10226          7.0        7.0            7.0
## 2736   102863        10204       10227          3.0        9.0            8.0
```

```
## 2737   102864        10204      10228          6.0        8.0          9.0
## 2738   102865        10204      10229          5.0        9.0          9.0
## 2739   102866        10204      10230          6.0        7.0          6.0
## 2740   102867        10204      10231          7.0        7.0          7.0
## 2741   102868        10205      10212         10.0        8.0          8.0
## 2742   102869        10205      10213          8.0        7.0          4.0
## 2743   102870        10205      10214         10.0       10.0         10.0
## 2744   102871        10205      10215          9.0        7.0          6.0
## 2745   102872        10205      10216          6.0        5.0          6.0
## 2746   102873        10205      10217          8.0        6.0          8.0
## 2747   102874        10205      10218         10.0        9.0         10.0
## 2748   102875        10205      10219          8.0        7.0          7.0
## 2749   102876        10205      10220          8.0        4.0          8.0
## 2750   102877        10205      10221         10.0        7.0          6.0
## 2751   102878        10205      10222          8.0        6.0          6.0
## 2752   102879        10205      10223          9.0        6.0          5.0
## 2753   102880        10205      10224          9.0        7.0          7.0
## 2754   102881        10205      10225          8.0        8.0          7.0
## 2755   102882        10205      10226          7.0        5.0          6.0
## 2756   102883        10205      10227          8.0        5.0          5.0
## 2757   102884        10205      10228          9.0        7.0          7.0
## 2758   102885        10205      10229          7.0        4.0          5.0
## 2759   102886        10205      10230          8.0        7.0          7.0
## 2760   102887        10205      10231          9.0        8.0          8.0
## 2761   102888        10206      10212          8.0        9.0          8.0
## 2762   102889        10206      10213          7.0        7.0          5.0
## 2763   102890        10206      10214          8.0        9.0          9.0
## 2764   102891        10206      10215          7.0        8.0          8.0
## 2765   102892        10206      10216          7.0        6.0          6.0
## 2766   102893        10206      10217          7.0        7.0          7.0
## 2767   102894        10206      10218          9.0        9.0          9.0
## 2768   102895        10206      10219          7.0        7.0          7.0
## 2769   102896        10206      10220          8.0        7.0          7.0
## 2770   102897        10206      10221         10.0        8.0          8.0
## 2771   102898        10206      10222          7.0        6.0          5.0
## 2772   102899        10206      10223          8.0       10.0          9.0
## 2773   102900        10206      10224          8.0        7.0          8.0
## 2774   102901        10206      10225          8.0        8.0          8.0
## 2775   102902        10206      10226          8.0        6.0          6.0
## 2776   102903        10206      10227          6.0        8.0          7.0
## 2777   102904        10206      10228          9.0        8.0          7.0
## 2778   102905        10206      10229          8.0        8.0          7.0
## 2779   102906        10206      10230          7.0        7.0          8.0
## 2780   102907        10206      10231          7.0        8.0          8.0
## 2781   102908        10207      10212          7.0        8.0          8.0
## 2782   102909        10207      10213          4.0        5.0          6.0
## 2783   102910        10207      10214          6.0        9.0          9.0
## 2784   102911        10207      10215          4.0        7.0          7.0
## 2785   102912        10207      10216          3.0        4.0          5.0
## 2786   102913        10207      10217          5.0        7.0          6.0
## 2787   102914        10207      10218          9.0        9.0          9.0
## 2788   102915        10207      10219          4.0        8.0          6.0
## 2789   102916        10207      10220          6.0        4.0          5.0
## 2790   102917        10207      10221          8.0        9.0          6.0
```

```
## 2791  102918        10207       10222        5.0        8.0            6.0
## 2792  102919        10207       10223        6.0        8.0            7.0
## 2793  102920        10207       10224        5.0        8.0            8.0
## 2794  102921        10207       10225        4.0        7.0            7.0
## 2795  102922        10207       10226        6.0        7.0            7.0
## 2796  102923        10207       10227        3.0        9.0            8.0
## 2797  102924        10207       10228        5.0        8.0            6.0
## 2798  102925        10207       10229        6.0        6.0            6.0
## 2799  102926        10207       10230        6.0        7.0            7.0
## 2801  102928        10208       10212        9.0        8.0            8.0
## 2802  102929        10208       10213        7.0        8.0            7.0
## 2803  102930        10208       10214        8.0        9.0            9.0
## 2804  102931        10208       10215        4.0        7.0            7.0
## 2805  102932        10208       10216        4.0        4.0            6.0
## 2806  102933        10208       10217        4.0        7.0            6.0
## 2807  102934        10208       10218        9.0        9.0            9.0
## 2808  102935        10208       10219        5.0        7.0            7.0
## 2809  102936        10208       10220        7.0        6.0            9.0
## 2810  102937        10208       10221        9.0        9.0            9.0
## 2811  102938        10208       10222        3.0        3.0            8.0
## 2812  102939        10208       10223        5.0        6.0            5.0
## 2813  102940        10208       10224        6.0        9.0            9.0
## 2814  102941        10208       10225        5.0        8.0            7.0
## 2815  102942        10208       10226        6.0        6.0            6.0
## 2816  102943        10208       10227        6.0        8.0            7.0
## 2817  102944        10208       10228        5.0        8.0            8.0
## 2818  102945        10208       10229        6.0        7.0            7.0
## 2819  102946        10208       10230        6.0        7.0            7.0
## 2820  102947        10208       10231        8.0        8.0            8.0
## 2821  102948        10209       10212        8.0        7.0            7.0
## 2822  102949        10209       10213        7.0        7.0            8.0
## 2823  102950        10209       10214        9.0        8.0            9.0
## 2824  102951        10209       10215        6.0        6.0            6.0
## 2825  102952        10209       10216        5.0        5.0            4.0
## 2826  102953        10209       10217        6.0        5.0            7.0
## 2827  102954        10209       10218       10.0       10.0           10.0
## 2828  102955        10209       10219        6.0        5.0            6.0
## 2829  102956        10209       10220        8.0        5.0            7.0
## 2830  102957        10209       10221        9.0        8.0            9.0
## 2831  102958        10209       10222        6.0        5.0            5.0
## 2832  102959        10209       10223        6.0        7.0            7.0
## 2833  102960        10209       10224        6.0        8.0            8.0
## 2834  102961        10209       10225        6.0        6.0            6.0
## 2835  102962        10209       10226        6.0        6.0            6.0
## 2836  102963        10209       10227        6.0        5.0            5.0
## 2837  102964        10209       10228        9.0        7.0            7.0
## 2838  102965        10209       10229        7.0        5.0            6.0
## 2839  102966        10209       10230        9.0        8.0            8.0
## 2840  102967        10209       10231        9.0        8.0            7.0
## 2841  102968        10210       10212        9.0        9.0            9.0
## 2842  102969        10210       10213        6.0        8.0            7.0
## 2843  102970        10210       10214        9.0        8.0            9.0
## 2844  102971        10210       10215        6.0       10.0            8.0
## 2845  102972        10210       10216        6.0        5.0            6.0
```

```
## 2846   102973        10210       10217        8.0       8.0        8.0
## 2847   102974        10210       10218        6.0       8.0        9.0
## 2848   102975        10210       10219        5.0       8.0        8.0
## 2849   102976        10210       10220        8.0       6.0        6.0
## 2850   102977        10210       10221        9.0       7.0        8.0
## 2851   102978        10210       10222        8.0       8.0        6.0
## 2852   102979        10210       10223        3.0       5.0        5.0
## 2853   102980        10210       10224        8.0       7.0        8.0
## 2854   102981        10210       10225        6.0       8.0        8.0
## 2855   102982        10210       10226        7.0       6.0        7.0
## 2856   102983        10210       10227        4.0       8.0        7.0
## 2857   102984        10210       10228        7.0       6.0        6.0
## 2858   102985        10210       10229        6.0       8.0        7.0
## 2859   102986        10210       10230       10.0       9.0        9.0
## 2860   102987        10210       10231        8.0       8.0        8.0
## 2861   102988        10211       10212        8.0       8.0        8.0
## 2862   102989        10211       10213        4.0       8.0        4.0
## 2863   102990        10211       10214        9.0       9.0        9.0
## 2864   102991        10211       10215        7.0       6.0        7.0
## 2865   102992        10211       10216        6.0       6.0        6.0
## 2866   102993        10211       10217        7.0       6.0        7.0
## 2867   102994        10211       10218        9.0      10.0        9.0
## 2868   102995        10211       10219        5.0       7.0        7.0
## 2869   102996        10211       10220        6.0       5.0        5.0
## 2870   102997        10211       10221        8.0       7.0        8.0
## 2871   102998        10211       10222        9.0       7.0        7.0
## 2872   102999        10211       10223        7.0       7.0        8.0
## 2873   103000        10211       10224        6.0       7.0        6.0
## 2874   103001        10211       10225        6.0       8.0        8.0
## 2875   103002        10211       10226        7.0       5.0        6.0
## 2876   103003        10211       10227        6.0       8.0        5.0
## 2877   103004        10211       10228        9.0       8.0        8.0
## 2878   103005        10211       10229        7.0       7.0        7.0
## 2879   103006        10211       10230        8.0       9.0        9.0
## 2880   103007        10211       10231        8.0       8.0        8.0
## 2881   103008        10212       10192        7.0       8.0       10.0
## 2882   103009        10212       10193        8.0       7.0       10.0
## 2883   103010        10212       10194        5.0       8.0        7.0
## 2884   103011        10212       10195        7.0       7.0        7.0
## 2885   103012        10212       10196        4.0       5.0        5.0
## 2886   103013        10212       10197        2.0      10.0       10.0
## 2887   103014        10212       10198        7.0      10.0       10.0
## 2888   103015        10212       10199        7.0       7.0        8.0
## 2889   103016        10212       10200        7.0       9.0        8.0
## 2890   103017        10212       10201        3.0       6.0        7.0
## 2891   103018        10212       10202        5.0       6.0        7.0
## 2892   103019        10212       10203        5.0       6.0        7.0
## 2893   103020        10212       10204        5.0       7.0        7.0
## 2894   103021        10212       10205        4.0       6.0        6.0
## 2895   103022        10212       10206        5.0       8.0        8.0
## 2896   103023        10212       10207        6.0       5.0        5.0
## 2897   103024        10212       10208        7.0      10.0        4.0
## 2898   103025        10212       10209        6.0       8.0       10.0
## 2899   103026        10212       10210        6.0       7.0        8.0
```

```
## 2900   103027          10212          10211             8.0          9.0              10.0
## 2901   103028          10213          10192             9.0          9.0               9.0
## 2902   103029          10213          10193             7.0          8.0               9.0
## 2903   103030          10213          10194             5.0          6.0               7.0
## 2904   103031          10213          10195             8.0          8.0               8.0
## 2905   103032          10213          10196             4.0          5.0               5.0
## 2906   103033          10213          10197             6.0          6.0               8.0
## 2907   103034          10213          10198             6.0          8.0               8.0
## 2908   103035          10213          10199             7.0          8.0               8.0
## 2909   103036          10213          10200             7.0          8.0               7.0
## 2910   103037          10213          10201             7.0          6.0               6.0
## 2911   103038          10213          10202             7.0          7.0               9.0
## 2912   103039          10213          10203            10.0          8.0               8.0
## 2913   103040          10213          10204             7.0          7.0               7.0
## 2914   103041          10213          10205             6.0          9.0              10.0
## 2915   103042          10213          10206            10.0         10.0              10.0
## 2916   103043          10213          10207             8.0           NA               8.0
## 2917   103044          10213          10208             7.0          8.0               8.0
## 2918   103045          10213          10209             4.0          7.0               8.0
## 2919   103046          10213          10210             7.0          6.0               8.0
## 2920   103047          10213          10211             6.0          9.0               9.0
## 2921   103048          10214          10192             4.0          8.0               8.0
## 2922   103049          10214          10193             5.0          8.0               7.0
## 2923   103050          10214          10194             2.0          3.0               5.0
## 2924   103051          10214          10195             7.0          6.0               7.0
## 2925   103052          10214          10196             3.0          4.0               5.0
## 2926   103053          10214          10197             1.0          6.0               6.0
## 2927   103054          10214          10198             3.0          7.0               7.0
## 2928   103055          10214          10199             3.0          8.0               8.0
## 2929   103056          10214          10200             5.0          8.0               7.0
## 2930   103057          10214          10201             2.0          5.0               6.0
## 2931   103058          10214          10202             3.0          8.0              10.0
## 2932   103059          10214          10203             2.0          8.0               4.0
## 2933   103060          10214          10204             2.0          8.0               8.0
## 2934   103061          10214          10205             3.0          8.0               8.0
## 2935   103062          10214          10206             5.0          5.0              10.0
## 2936   103063          10214          10207             5.0          6.0               7.0
## 2937   103064          10214          10208             1.0          1.0               1.0
## 2938   103065          10214          10209             4.0          9.0              10.0
## 2939   103066          10214          10210             6.0          7.0               8.0
## 2940   103067          10214          10211             6.0          8.0               9.0
## 2941   103068          10215          10192             8.0          8.0              10.0
## 2942   103069          10215          10193             9.0          6.0              10.0
## 2943   103070          10215          10194             6.0          8.0               7.0
## 2944   103071          10215          10195             8.0          9.0               9.0
## 2945   103072          10215          10196             6.0          5.0               7.0
## 2946   103073          10215          10197             9.0          9.0               9.0
## 2947   103074          10215          10198             8.0         10.0              10.0
## 2948   103075          10215          10199             7.0          8.0              10.0
## 2949   103076          10215          10200             9.0          8.0               9.0
## 2950   103077          10215          10201            10.0          7.0               9.0
## 2951   103078          10215          10202             9.0          8.0              10.0
## 2952   103079          10215          10203            10.0         10.0              10.0
## 2953   103080          10215          10204             9.0          5.0               9.0
```

```
## 2954   103081          10215          10205          7.0          8.0               10.0
## 2955   103082          10215          10206          6.0          8.0                8.0
## 2956   103083          10215          10207          6.0          6.0                9.0
## 2957   103084          10215          10208          9.0           NA                9.0
## 2958   103085          10215          10209          5.0          7.0                9.0
## 2959   103086          10215          10210          7.0         10.0               10.0
## 2960   103087          10215          10211          8.0          8.0                9.0
## 2961   103088          10216          10192          8.0          9.0               10.0
## 2962   103089          10216          10193          6.0         10.0               10.0
## 2963   103090          10216          10194          2.0          3.0                3.0
## 2964   103091          10216          10195          7.0          8.0                7.0
## 2965   103092          10216          10196          5.0          4.0                5.0
## 2966   103093          10216          10197          4.0          9.0                9.0
## 2967   103094          10216          10198          6.0          7.0                9.0
## 2968   103095          10216          10199          2.0          8.0                 NA
## 2969   103096          10216          10200          6.0          8.0                9.0
## 2970   103097          10216          10201          7.0          5.0               10.0
## 2971   103098          10216          10202          5.0          7.0                9.0
## 2972   103099          10216          10203          5.0          8.0                8.0
## 2973   103100          10216          10204          7.0          7.0                7.0
## 2974   103101          10216          10205          6.0          9.0                8.0
## 2975   103102          10216          10206          5.0          8.0               10.0
## 2976   103103          10216          10207          5.0           NA                5.0
## 2977   103104          10216          10208          6.0         10.0                 NA
## 2978   103105          10216          10209          3.0          7.0               10.0
## 2979   103106          10216          10210          6.0          7.0                7.0
## 2980   103107          10216          10211          7.0          8.0                9.0
## 2981   103108          10217          10192          8.0          9.0                8.0
## 2982   103109          10217          10193          9.0         10.0                9.0
## 2983   103110          10217          10194          6.0          7.0                7.0
## 2984   103111          10217          10195          7.0          7.0                8.0
## 2985   103112          10217          10196          5.0          4.0                5.0
## 2986   103113          10217          10197          9.0         10.0               10.0
## 2987   103114          10217          10198          7.0          9.0                8.0
## 2988   103115          10217          10199          7.0           NA                 NA
## 2989   103116          10217          10200          8.0          8.0                9.0
## 2990   103117          10217          10201          8.0          6.0                9.0
## 2991   103118          10217          10202          7.0          8.0                9.0
## 2992   103119          10217          10203          6.0          6.0                6.0
## 2993   103120          10217          10204          7.0          7.0                7.0
## 2994   103121          10217          10205          9.0          9.0                9.0
## 2995   103122          10217          10206          8.0          9.0                9.0
## 2996   103123          10217          10207          6.0          5.0                 NA
## 2997   103124          10217          10208          9.0          8.0                5.0
## 2998   103125          10217          10209          6.0         10.0                9.0
## 2999   103126          10217          10210          8.0          8.0                9.0
## 3000   103127          10217          10211          8.0          8.0                8.0
## 3001   103128          10218          10192          6.0         10.0               10.0
## 3002   103129          10218          10193          5.0         10.0                9.0
## 3003   103130          10218          10194          4.0          4.0                3.0
## 3004   103131          10218          10195          7.0          7.0                7.0
## 3005   103132          10218          10196          3.0          2.0                8.0
## 3006   103133          10218          10197          2.0         10.0                8.0
## 3007   103134          10218          10198          6.0         10.0                9.0
```

```
## 3008   103135        10218       10199         3.0       8.0           8.0
## 3009   103136        10218       10200         5.0       9.0           9.0
## 3010   103137        10218       10201         3.0       9.0           9.0
## 3011   103138        10218       10202         4.0       7.0           9.0
## 3012   103139        10218       10203         8.0       8.0           8.0
## 3013   103140        10218       10204         9.0      10.0          10.0
## 3014   103141        10218       10205         7.0       9.0          10.0
## 3015   103142        10218       10206         5.0      10.0          10.0
## 3016   103143        10218       10207         5.0       7.0           6.0
## 3017   103144        10218       10208         5.0      10.0          10.0
## 3018   103145        10218       10209         6.0      10.0          10.0
## 3019   103146        10218       10210         6.0       6.0           7.0
## 3020   103147        10218       10211         6.0       7.0           7.0
## 3021   103148        10219       10192         8.0      10.0          10.0
## 3022   103149        10219       10193         7.0       8.0           7.0
## 3023   103150        10219       10194         3.0       6.0           4.0
## 3024   103151        10219       10195         7.0       7.0           7.0
## 3025   103152        10219       10196         3.0       5.0           6.0
## 3026   103153        10219       10197         5.0      10.0           9.0
## 3027   103154        10219       10198         7.0       9.0           8.0
## 3028   103155        10219       10199         7.0       7.0           7.0
## 3029   103156        10219       10200         6.0       9.0           9.0
## 3030   103157        10219       10201         3.0       7.0           8.0
## 3031   103158        10219       10202         4.0       7.0           9.0
## 3032   103159        10219       10203         8.0       8.0           8.0
## 3033   103160        10219       10204         8.0       7.0           8.0
## 3034   103161        10219       10205         6.0       7.0           9.0
## 3035   103162        10219       10206         5.0       7.0          10.0
## 3036   103163        10219       10207         8.0       7.0           9.0
## 3037   103164        10219       10208         5.0       8.0           8.0
## 3038   103165        10219       10209         6.0      10.0          10.0
## 3039   103166        10219       10210         7.0       7.0           8.0
## 3040   103167        10219       10211         8.0       9.0          10.0
## 3041   103168        10220       10192         3.0      10.0           9.0
## 3042   103169        10220       10193         4.0       5.0          10.0
## 3043   103170        10220       10194         2.0       6.0           4.0
## 3044   103171        10220       10195         7.0       7.0           7.0
## 3045   103172        10220       10196         2.0       3.0           4.0
## 3046   103173        10220       10197         2.0       9.0           9.0
## 3047   103174        10220       10198         3.0       9.0          10.0
## 3048   103175        10220       10199         1.0       7.0           NA
## 3049   103176        10220       10200         2.0       9.0          10.0
## 3050   103177        10220       10201         3.0       9.0          10.0
## 3051   103178        10220       10202         1.0       6.0           8.0
## 3052   103179        10220       10203         3.0      10.0          10.0
## 3053   103180        10220       10204         4.0      10.0          10.0
## 3054   103181        10220       10205         1.0       1.0           1.0
## 3055   103182        10220       10206         5.0       7.0          10.0
## 3056   103183        10220       10207         3.0        NA           7.0
## 3057   103184        10220       10208         3.0        NA           9.0
## 3058   103185        10220       10209         4.0      10.0          10.0
## 3059   103186        10220       10210         5.0       8.0           8.0
## 3060   103187        10220       10211         6.0       8.0           9.0
## 3061   103188        10221       10192         6.0      10.0          10.0
```

```
## 3062   103189          10221     10193          6.0        8.0           10.0
## 3063   103190          10221     10194          2.0        7.0            7.0
## 3064   103191          10221     10195          7.0        7.0            7.0
## 3065   103192          10221     10196          4.0        4.0            4.0
## 3066   103193          10221     10197          2.0       10.0           10.0
## 3067   103194          10221     10198          6.0       10.0            8.0
## 3068   103195          10221     10199          6.0        8.0            9.0
## 3069   103196          10221     10200          8.0        9.0            9.0
## 3070   103197          10221     10201          5.0        8.0            8.0
## 3071   103198          10221     10202          6.0        6.0            7.0
## 3072   103199          10221     10203          6.0        7.0            6.0
## 3073   103200          10221     10204          8.0        8.0            8.0
## 3074   103201          10221     10205          3.0        8.0            7.0
## 3075   103202          10221     10206          5.0        5.0            5.0
## 3076   103203          10221     10207          5.0        7.0            5.0
## 3077   103204          10221     10208          4.0       10.0            8.0
## 3078   103205          10221     10209          5.0       10.0            9.0
## 3079   103206          10221     10210          6.0        7.0            8.0
## 3080   103207          10221     10211          7.0        8.0            8.0
## 3081   103208          10222     10192          7.0        9.0           10.0
## 3082   103209          10222     10193          8.0        8.0           10.0
## 3083   103210          10222     10194          2.0        5.0            3.0
## 3084   103211          10222     10195          8.0        8.0            8.0
## 3085   103212          10222     10196          4.0        5.0            5.0
## 3086   103213          10222     10197          3.0       10.0           10.0
## 3087   103214          10222     10198          7.0       10.0            9.0
## 3088   103215          10222     10199          4.0        7.0            8.0
## 3089   103216          10222     10200          4.0        9.0            9.0
## 3090   103217          10222     10201          4.0        7.0            9.0
## 3091   103218          10222     10202          5.0        6.0            7.0
## 3092   103219          10222     10203         10.0       10.0           10.0
## 3093   103220          10222     10204          7.0        7.0            7.0
## 3094   103221          10222     10205          4.0        8.0            7.0
## 3095   103222          10222     10206         10.0       10.0           10.0
## 3096   103223          10222     10207          7.0        7.0           10.0
## 3097   103224          10222     10208          7.0       10.0           10.0
## 3098   103225          10222     10209          5.0        9.0            9.0
## 3099   103226          10222     10210          7.0        8.0            8.0
## 3100   103227          10222     10211          6.0        8.0            8.0
## 3101   103228          10223     10192          7.0       10.0           10.0
## 3102   103229          10223     10193          6.0        7.0            8.0
## 3103   103230          10223     10194          3.0        4.0            4.0
## 3104   103231          10223     10195          7.0        7.0            7.0
## 3105   103232          10223     10196          4.0        6.0            7.0
## 3106   103233          10223     10197          7.0       10.0            8.0
## 3107   103234          10223     10198          7.0        9.0            8.0
## 3108   103235          10223     10199          5.0        8.0            8.0
## 3109   103236          10223     10200          7.0        9.0            9.0
## 3110   103237          10223     10201          6.0        9.0            8.0
## 3111   103238          10223     10202          7.0        9.0            8.0
## 3112   103239          10223     10203          6.0        8.0            8.0
## 3113   103240          10223     10204          4.0        9.0            9.0
## 3114   103241          10223     10205          7.0        6.0            7.0
## 3115   103242          10223     10206          5.0        8.0            8.0
```

```
## 3116   103243         10223       10207          5.0          6.0          8.0
## 3117   103244         10223       10208          7.0         10.0         10.0
## 3118   103245         10223       10209          7.0          9.0          8.0
## 3119   103246         10223       10210          7.0          7.0          8.0
## 3120   103247         10223       10211          8.0          8.0          8.0
## 3121   103248         10224       10192         10.0          8.0          8.0
## 3122   103249         10224       10193         10.0          9.0          9.0
## 3123   103250         10224       10194          5.0          4.0          5.0
## 3124   103251         10224       10195          7.0          8.0          8.0
## 3125   103252         10224       10196          8.0          7.0          7.0
## 3126   103253         10224       10197          8.0          7.0          8.0
## 3127   103254         10224       10198          7.0          8.0          8.0
## 3128   103255         10224       10199          9.0          7.0          8.0
## 3129   103256         10224       10200          9.0          8.0          8.0
## 3130   103257         10224       10201         10.0          8.0          8.0
## 3131   103258         10224       10202          9.0          9.0          8.0
## 3132   103259         10224       10203          9.0          7.0          6.0
## 3133   103260         10224       10204          7.0          7.0          7.0
## 3134   103261         10224       10205         10.0          9.0          9.0
## 3135   103262         10224       10206          9.0          9.0          9.0
## 3136   103263         10224       10207          8.0          7.0          8.0
## 3137   103264         10224       10208         10.0         10.0          8.0
## 3138   103265         10224       10209         10.0          8.0          8.0
## 3139   103266         10224       10210          8.0          7.0          8.0
## 3140   103267         10224       10211          9.0          8.0         10.0
## 3141   103268         10225       10192         10.0          8.0          7.0
## 3142   103269         10225       10193          9.0          7.0          7.0
## 3143   103270         10225       10194          5.0          5.0          4.0
## 3144   103271         10225       10195          7.0          7.0          7.0
## 3145   103272         10225       10196          5.0          5.0          5.0
## 3146   103273         10225       10197          4.0         10.0         10.0
## 3147   103274         10225       10198          7.0          8.0          7.0
## 3148   103275         10225       10199          6.0          7.0          7.0
## 3149   103276         10225       10200          8.0          7.0          8.0
## 3150   103277         10225       10201          8.0          6.0          8.0
## 3151   103278         10225       10202          7.0          7.0          6.0
## 3152   103279         10225       10203          2.0          7.0          5.0
## 3153   103280         10225       10204          8.0          8.0          8.0
## 3154   103281         10225       10205          8.0         10.0          7.0
## 3155   103282         10225       10206          8.0          9.0          9.0
## 3156   103283         10225       10207          8.0          8.0          8.0
## 3157   103284         10225       10208          6.0          6.0          5.0
## 3158   103285         10225       10209          7.0          6.0          8.0
## 3159   103286         10225       10210          8.0          7.0          8.0
## 3160   103287         10225       10211          8.0          8.0         10.0
## 3161   103288         10226       10192          7.0         10.0         10.0
## 3162   103289         10226       10193          8.0          9.0         10.0
## 3163   103290         10226       10194          2.0          5.0          3.0
## 3164   103291         10226       10195          7.0          7.0          7.0
## 3165   103292         10226       10196          8.0          8.0          8.0
## 3166   103293         10226       10197          5.0          9.0          9.0
## 3167   103294         10226       10198          5.0         10.0          9.0
## 3168   103295         10226       10199          5.0          8.0          8.0
## 3169   103296         10226       10200          4.0          9.0          9.0
```

```
## 3170   103297        10226   10201       6.0      7.0         10.0
## 3171   103298        10226   10202       2.0      6.0          5.0
## 3172   103299        10226   10203       5.0      9.0          9.0
## 3173   103300        10226   10204       7.0      8.0          9.0
## 3174   103301        10226   10205       6.0      6.0          8.0
## 3175   103302        10226   10206       5.0      8.0          8.0
## 3176   103303        10226   10207       5.0      6.0          7.0
## 3177   103304        10226   10208       5.0      8.0           NA
## 3178   103305        10226   10209       7.0     10.0         10.0
## 3179   103306        10226   10210       6.0     10.0         10.0
## 3180   103307        10226   10211       6.0      8.0          9.0
## 3181   103308        10227   10192       8.0      9.0          8.0
## 3182   103309        10227   10193       8.0      8.0          9.0
## 3183   103310        10227   10194       3.0      3.0          5.0
## 3184   103311        10227   10195       7.0      7.0          7.0
## 3185   103312        10227   10196       6.0      6.0          8.0
## 3186   103313        10227   10197       2.0      2.0         10.0
## 3187   103314        10227   10198       7.0     10.0          8.0
## 3188   103315        10227   10199       7.0      7.0          8.0
## 3189   103316        10227   10200       9.0      9.0          9.0
## 3190   103317        10227   10201       8.0      3.0          9.0
## 3191   103318        10227   10202       8.0      7.0          8.0
## 3192   103319        10227   10203      10.0      8.0          6.0
## 3193   103320        10227   10204       8.0      8.0          8.0
## 3194   103321        10227   10205       7.0      9.0          9.0
## 3195   103322        10227   10206       8.0      8.0          8.0
## 3196   103323        10227   10207       8.0       NA          8.0
## 3197   103324        10227   10208      10.0      9.0          9.0
## 3198   103325        10227   10209       7.0      8.0          9.0
## 3199   103326        10227   10210       7.0      7.0          9.0
## 3200   103327        10227   10211       8.0      9.0         10.0
## 3201   103328        10228   10192       6.0     10.0          9.0
## 3202   103329        10228   10193       6.0      7.0          6.0
## 3203   103330        10228   10194       2.0      3.0          3.0
## 3204   103331        10228   10195       7.0      7.0          7.0
## 3205   103332        10228   10196       5.0      5.0          5.0
## 3206   103333        10228   10197       2.0      4.0          4.0
## 3207   103334        10228   10198       8.0      7.0           NA
## 3208   103335        10228   10199       8.0      8.0          8.0
## 3209   103336        10228   10200       5.0      9.0          8.0
## 3210   103337        10228   10201       4.0      6.0          6.0
## 3211   103338        10228   10202       6.0      8.0          7.0
## 3212   103339        10228   10203       5.0      5.0          6.0
## 3213   103340        10228   10204       7.0      7.0          7.0
## 3214   103341        10228   10205       4.0      7.0          6.0
## 3215   103342        10228   10206       9.0      9.0          9.0
## 3216   103343        10228   10207       5.0      5.0          7.0
## 3217   103344        10228   10208       8.0     10.0           NA
## 3218   103345        10228   10209       6.0      9.0          8.0
## 3219   103346        10228   10210       6.0      6.0          6.0
## 3220   103347        10228   10211       5.0      8.0          8.0
## 3221   103348        10229   10192       8.0     10.0          9.0
## 3222   103349        10229   10193       6.0     10.0          9.0
## 3223   103350        10229   10194       3.0      6.0          7.0
```

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## 3224   103351        10229        10195         10.0        10.0          10.0
## 3225   103352        10229        10196          5.0         5.0           5.0
## 3226   103353        10229        10197          3.0         3.0           3.0
## 3227   103354        10229        10198          5.0         7.0           8.0
## 3228   103355        10229        10199          8.0         8.0           8.0
## 3229   103356        10229        10200          6.0         8.0           8.0
## 3230   103357        10229        10201          5.0         5.0           8.0
## 3231   103358        10229        10202          7.0         7.0           9.0
## 3232   103359        10229        10203          4.0         5.0           5.0
## 3233   103360        10229        10204          7.0         7.0           7.0
## 3234   103361        10229        10205          4.0         5.0           4.0
## 3235   103362        10229        10206          5.0         9.0           9.0
## 3236   103363        10229        10207          8.0         8.0           8.0
## 3237   103364        10229        10208          5.0         2.0           3.0
## 3238   103365        10229        10209          7.0         8.0           9.0
## 3239   103366        10229        10210          7.0         7.0           7.0
## 3240   103367        10229        10211          6.0        10.0          10.0
## 3241   103368        10230        10192          5.0        10.0           9.0
## 3242   103369        10230        10193          5.0         6.0           7.0
## 3243   103370        10230        10194          3.0         5.0           4.0
## 3244   103371        10230        10195         10.0        10.0          10.0
## 3245   103372        10230        10196          4.0         4.0           4.0
## 3246   103373        10230        10197          2.0         9.0           7.0
## 3247   103374        10230        10198          5.0         9.0           7.0
## 3248   103375        10230        10199          4.0         8.0           8.0
## 3249   103376        10230        10200          7.0         9.0           9.0
## 3250   103377        10230        10201          5.0         6.0           8.0
## 3251   103378        10230        10202          6.0         8.0           8.0
## 3252   103379        10230        10203          6.0         8.0           6.0
## 3253   103380        10230        10204          4.0         9.0           7.0
## 3254   103381        10230        10205          4.0         6.0           6.0
## 3255   103382        10230        10206          5.0         9.0           9.0
## 3256   103383        10230        10207          5.0          NA            NA
## 3257   103384        10230        10208          3.0         9.0           9.0
## 3258   103385        10230        10209          5.0        10.0          10.0
## 3259   103386        10230        10210          6.0         6.0           7.0
## 3260   103387        10230        10211          6.0         7.0           7.0
## 3261   103388        10231        10192          6.0         7.0           9.0
## 3262   103389        10231        10193          6.0         9.0          10.0
## 3263   103390        10231        10194          2.0         8.0           7.0
## 3264   103391        10231        10195          7.0         7.0           7.0
## 3265   103392        10231        10196          4.0         6.0           6.0
## 3266   103393        10231        10197          8.0        10.0          10.0
## 3267   103394        10231        10198           NA          NA            NA
## 3268   103395        10231        10199          4.0         8.0           8.0
## 3269   103396        10231        10200          7.0         8.0           8.0
## 3270   103397        10231        10201          6.0        10.0           9.0
## 3271   103398        10231        10202          6.0         8.0           9.0
## 3272   103399        10231        10203          6.0         8.0           7.0
## 3273   103400        10231        10204          1.0         7.0           7.0
## 3274   103401        10231        10205          9.0         8.0           8.0
## 3275   103402        10231        10206          6.0         8.0           8.0
## 3276   103403        10231        10207          5.0          NA           7.0
## 3277   103404        10231        10208          4.0         2.0           2.0
```

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## 3278   103405        10231        10209        5.0        5.0        7.0
## 3279   103406        10231        10210        6.0        7.0        7.0
## 3280   103407        10231        10211        8.0        8.0        8.0
## 3281   103408        10232        10241        6.0        9.0        7.0
## 3282   103409        10232        10242        6.0        8.0        9.0
## 3283   103410        10232        10243        8.0        7.0        6.0
## 3284   103411        10232        10244        3.0        6.0        7.0
## 3285   103412        10232        10245        3.0        7.0        5.0
## 3286   103413        10232        10246        5.0        7.0        8.0
## 3287   103414        10232        10247        9.0        9.0        8.0
## 3288   103415        10232        10248        5.0       10.0        6.0
## 3289   103416        10232        10249        8.0        8.0        8.0
## 3290   103417        10233        10241        8.0        8.0        8.0
## 3291   103418        10233        10242        9.0        9.0        7.0
## 3292   103419        10233        10243        7.0        6.0        6.0
## 3293   103420        10233        10244        6.0        3.0        5.0
## 3294   103421        10233        10245        8.0        7.0        7.0
## 3295   103422        10233        10246        7.0        8.0        6.0
## 3296   103423        10233        10247        9.0        8.0        9.0
## 3297   103424        10233        10248        9.0       10.0        7.0
## 3298   103425        10233        10249        8.0        9.0        8.0
## 3299   103426        10234        10241        6.0        8.0        8.0
## 3300   103427        10234        10242        4.0        6.0        7.0
## 3301   103428        10234        10243        9.0        7.0        8.0
## 3302   103429        10234        10244        2.0        3.0         NA
## 3303   103430        10234        10245        7.0        7.0        5.0
## 3304   103431        10234        10246        6.0        6.0        9.0
## 3305   103432        10234        10247        9.0        9.0        9.0
## 3306   103433        10234        10248        3.0        8.0        5.0
## 3307   103434        10234        10249        4.0        8.0        7.0
## 3308   103435        10235        10241        7.0        8.0        7.0
## 3309   103436        10235        10242        2.0        6.0        8.0
## 3310   103437        10235        10243        7.0        8.0        6.0
## 3311   103438        10235        10244        3.0        7.0        7.0
## 3312   103439        10235        10245        5.0        6.0        8.0
## 3313   103440        10235        10246        6.0        7.0        7.0
## 3314   103441        10235        10247        6.0        9.0        8.0
## 3315   103442        10235        10248        6.0       10.0        8.0
## 3316   103443        10235        10249        6.0        8.0        8.0
## 3317   103444        10236        10241        6.0        7.0        6.0
## 3318   103445        10236        10242        8.0        8.0        8.0
## 3319   103446        10236        10243        6.0        7.0        6.0
## 3320   103447        10236        10244        6.0        6.0        7.0
## 3321   103448        10236        10245        6.0        7.0        7.0
## 3322   103449        10236        10246        6.0        8.0        7.0
## 3323   103450        10236        10247        9.0        9.0        8.0
## 3324   103451        10236        10248        8.0        8.0        8.0
## 3325   103452        10236        10249        5.0        8.0        7.0
## 3326   103453        10237        10241        6.0        9.0        7.0
## 3327   103454        10237        10242        6.0        8.0        9.0
## 3328   103455        10237        10243        6.0        8.0        8.0
## 3329   103456        10237        10244        5.0        5.0        6.0
## 3330   103457        10237        10245        5.0        8.0        6.0
## 3331   103458        10237        10246        6.0        7.0        8.0
```

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## 3332   103459        10237        10247        6.0        7.0         6.0
## 3333   103460        10237        10248        5.0        8.0         7.0
## 3334   103461        10237        10249        7.0        8.0         8.0
## 3335   103462        10238        10241        7.0        7.0         7.0
## 3336   103463        10238        10242        8.0        6.0         8.0
## 3337   103464        10238        10243        8.0        7.0         8.0
## 3338   103465        10238        10244        5.0        7.0         7.0
## 3339   103466        10238        10245        6.0        6.0         4.0
## 3340   103467        10238        10246        6.0        7.0         7.0
## 3341   103468        10238        10247        8.0        9.0         8.0
## 3342   103469        10238        10248        6.0        7.0         7.0
## 3343   103470        10238        10249        7.0        8.0         7.0
## 3344   103471        10239        10241        7.0        7.0         6.0
## 3345   103472        10239        10242        8.0        9.0         9.0
## 3346   103473        10239        10243        9.0        8.0         7.0
## 3347   103474        10239        10244        8.0        5.0         6.0
## 3348   103475        10239        10245        5.0        6.0         5.0
## 3349   103476        10239        10246        6.0        7.0         7.0
## 3350   103477        10239        10247        2.0        9.0         7.0
## 3351   103478        10239        10248        8.0       10.0         8.0
## 3352   103479        10239        10249        7.0        8.0         7.0
## 3353   103480        10240        10241        7.0        8.0         8.0
## 3354   103481        10240        10242        8.0        5.0         7.0
## 3355   103482        10240        10243        9.0        8.0         8.0
## 3356   103483        10240        10244        8.0        7.0         7.0
## 3357   103484        10240        10245        8.0        6.0         6.0
## 3358   103485        10240        10246        8.0        7.0         7.0
## 3359   103486        10240        10247        9.0        8.0         9.0
## 3360   103487        10240        10248        7.0        8.0         7.0
## 3361   103488        10240        10249        8.0        9.0         8.0
## 3362   103489        10241        10232        4.0        8.0         9.0
## 3363   103490        10241        10233        6.0        6.0         6.0
## 3364   103491        10241        10234        6.0        7.0         8.0
## 3365   103492        10241        10235        4.0        2.0         4.0
## 3366   103493        10241        10236        8.0        8.0         9.0
## 3367   103494        10241        10237        7.0        9.0         9.0
## 3368   103495        10241        10238        7.0        7.0         7.0
## 3369   103496        10241        10239        5.0        6.0         8.0
## 3370   103497        10241        10240        4.0        6.0         7.0
## 3371   103498        10242        10232        7.0        8.0         8.0
## 3372   103499        10242        10233        6.0        7.0         7.0
## 3373   103500        10242        10234        7.0        7.0         7.0
## 3374   103501        10242        10235        7.0        8.0         6.0
## 3375   103502        10242        10236        8.0        9.0         9.0
## 3376   103503        10242        10237        7.0        6.0         6.0
## 3377   103504        10242        10238        7.0        7.0         6.0
## 3378   103505        10242        10239        5.0        7.0         8.0
## 3379   103506        10242        10240        3.0        6.0         6.0
## 3380   103507        10243        10232        4.0        6.0        10.0
## 3381   103508        10243        10233        2.0        6.0         8.0
## 3382   103509        10243        10234        4.0        6.0         9.0
## 3383   103510        10243        10235        6.0        8.0         9.0
## 3384   103511        10243        10236        8.0        9.0        10.0
## 3385   103512        10243        10237        7.0        6.0         9.0
```

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## 3386   103513        10243       10238          5.0        7.0            6.0
## 3387   103514        10243       10239          4.0        7.0           10.0
## 3388   103515        10243       10240          3.0        2.0            6.0
## 3389   103516        10244       10232          4.0        8.0            7.0
## 3390   103517        10244       10233          3.0        7.0            5.0
## 3391   103518        10244       10234          4.0        7.0            5.0
## 3392   103519        10244       10235          2.0        6.0            5.0
## 3393   103520        10244       10236          7.0        9.0            9.0
## 3394   103521        10244       10237          5.0        9.0            7.0
## 3395   103522        10244       10238          4.0        4.0            4.0
## 3396   103523        10244       10239          4.0        9.0            8.0
## 3397   103524        10244       10240          4.0        8.0            8.0
## 3398   103525        10245       10232          3.0        7.0            9.0
## 3399   103526        10245       10233          3.0        8.0            7.0
## 3400   103527        10245       10234          3.0        7.0            7.0
## 3401   103528        10245       10235          6.0        9.0            8.0
## 3402   103529        10245       10236          5.0        8.0            8.0
## 3403   103530        10245       10237          6.0        8.0            8.0
## 3404   103531        10245       10238          4.0        5.0            5.0
## 3405   103532        10245       10239          5.0       10.0           10.0
## 3406   103533        10245       10240          1.0        7.0            6.0
## 3407   103534        10246       10232          5.0        6.0            6.0
## 3408   103535        10246       10233          7.0        6.0            6.0
## 3409   103536        10246       10234          7.0        5.0            6.0
## 3410   103537        10246       10235          7.0        8.0            7.0
## 3411   103538        10246       10236          9.0        8.0            9.0
## 3412   103539        10246       10237          8.0        8.0            7.0
## 3413   103540        10246       10238          5.0        4.0            5.0
## 3414   103541        10246       10239         10.0        6.0            8.0
## 3415   103542        10246       10240          5.0        3.0            6.0
## 3416   103543        10247       10232          4.0        8.0            7.0
## 3417   103544        10247       10233          2.0        5.0            5.0
## 3418   103545        10247       10234          4.0        7.0            7.0
## 3419   103546        10247       10235          3.0        7.0            8.0
## 3420   103547        10247       10236          6.0        8.0            9.0
## 3421   103548        10247       10237          6.0        8.0            8.0
## 3422   103549        10247       10238          5.0        5.0            6.0
## 3423   103550        10247       10239          5.0        8.0            9.0
## 3424   103551        10247       10240          3.0        5.0             NA
## 3425   103552        10248       10232          7.0        5.0            8.0
## 3426   103553        10248       10233          3.0        7.0            7.0
## 3427   103554        10248       10234          7.0        6.0            7.0
## 3428   103555        10248       10235          6.0        8.0           10.0
## 3429   103556        10248       10236          9.0        8.0            9.0
## 3430   103557        10248       10237          7.0        8.0            9.0
## 3431   103558        10248       10238          7.0        5.0            5.0
## 3432   103559        10248       10239          8.0        6.0           10.0
## 3433   103560        10248       10240          7.0        7.0            7.0
## 3434   103561        10249       10232          5.0        8.0            7.0
## 3435   103562        10249       10233          5.0        9.0            8.0
## 3436   103563        10249       10234          5.0        6.0            6.0
## 3437   103564        10249       10235          2.0       10.0           10.0
## 3438   103565        10249       10236          6.0        8.0            8.0
## 3439   103566        10249       10237          5.0        7.0            8.0
```

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## 3440   103567        10249       10238         5.0         5.0          5.0
## 3441   103568        10249       10239         7.0         7.0          9.0
## 3442   103569        10249       10240         3.0         6.0          7.0
## 3443   103570        10250       10271         4.0         8.0          8.0
## 3444   103571        10250       10272         7.0         9.0          8.0
## 3445   103572        10250       10273         7.0         8.0          8.0
## 3446   103573        10250       10274         6.0         9.0          8.0
## 3447   103574        10250       10275         6.0         8.0          7.0
## 3448   103575        10250       10276         7.0         7.0          8.0
## 3449   103576        10250       10277         6.5         8.0          9.0
## 3450   103577        10250       10278         7.0         8.0          7.0
## 3451   103578        10250       10279        10.0         8.0          8.0
## 3452   103579        10250       10280         7.0         7.0          7.0
## 3453   103580        10250       10281         9.0         9.0          9.0
## 3454   103581        10250       10282         7.0         7.0           NA
## 3455   103582        10250       10283         5.0         5.0          5.0
## 3456   103583        10250       10284         9.0         8.0          8.0
## 3457   103584        10250       10285         7.0         7.0          7.0
## 3458   103585        10250       10286         4.0         6.0          5.0
## 3459   103586        10250       10287         7.0         6.0          6.0
## 3460   103587        10250       10288         8.0         7.0          6.0
## 3461   103588        10250       10289         6.0        10.0          8.0
## 3462   103589        10250       10290         6.0        10.0          6.0
## 3463   103590        10250       10291         8.0         8.0          7.0
## 3464   103591        10251       10271         1.0         7.0          8.0
## 3465   103592        10251       10272         5.0         6.0          8.0
## 3466   103593        10251       10273         6.0         6.0          7.0
## 3467   103594        10251       10274         4.0         7.0          7.0
## 3468   103595        10251       10275         5.0         7.0          7.0
## 3469   103596        10251       10276         5.0         7.0          7.0
## 3470   103597        10251       10277         4.0         7.0          7.0
## 3471   103598        10251       10278         2.0         7.0          7.0
## 3472   103599        10251       10279         3.0         6.0          8.0
## 3473   103600        10251       10280         6.0         6.0          9.0
## 3474   103601        10251       10281         3.0         3.0          3.0
## 3475   103602        10251       10282         2.0         5.0           NA
## 3476   103603        10251       10283         5.0         5.0          5.0
## 3477   103604        10251       10284         6.0          NA           NA
## 3478   103605        10251       10285         4.0         7.0          6.0
## 3479   103606        10251       10286         3.0         6.0          6.0
## 3480   103607        10251       10287         2.0         3.0          6.0
## 3481   103608        10251       10288         2.0         5.0          6.0
## 3482   103609        10251       10289         5.0         9.0          8.0
## 3483   103610        10251       10290         4.0        10.0          8.0
## 3484   103611        10251       10291         4.0         6.0          7.0
## 3485   103612        10252       10271         8.0         8.0          9.0
## 3486   103613        10252       10272         6.0         7.0         10.0
## 3487   103614        10252       10273         5.0         5.0          6.0
## 3488   103615        10252       10274         3.0         8.0         10.0
## 3489   103616        10252       10275         6.0         7.0          7.0
## 3490   103617        10252       10276         6.0         6.0          8.0
## 3491   103618        10252       10277         6.0         5.0          8.0
## 3492   103619        10252       10278         3.0         7.0          8.0
## 3493   103620        10252       10279         6.0         5.0          7.0
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## 3494  103621     10252     10280         7.0         7.0          7.0
## 3495  103622     10252     10281        10.0        10.0         10.0
## 3496  103623     10252     10282         3.0         4.0           NA
## 3497  103624     10252     10283         8.0         8.0          8.0
## 3498  103625     10252     10284         7.0          NA          9.0
## 3499  103626     10252     10285         8.0         8.0          7.0
## 3500  103627     10252     10286         5.0         5.0          7.0
## 3501  103628     10252     10287         5.0         9.0          8.0
## 3502  103629     10252     10288         3.0         6.0          6.0
## 3503  103630     10252     10289         6.0         9.0          8.0
## 3504  103631     10252     10290         5.0        10.0          7.0
## 3505  103632     10252     10291         6.0         8.0          8.0
## 3506  103633     10253     10271         6.0         5.0          5.0
## 3507  103634     10253     10272         2.0         4.0          6.0
## 3508  103635     10253     10273         5.0         5.0          6.0
## 3509  103636     10253     10274         7.0         6.0          5.0
## 3510  103637     10253     10275         6.0         6.0          6.0
## 3511  103638     10253     10276         7.0         6.0          5.0
## 3512  103639     10253     10277         5.0         5.0          7.0
## 3513  103640     10253     10278         8.0         7.0          8.0
## 3514  103641     10253     10279         5.0         4.0          4.0
## 3515  103642     10253     10280         6.0         7.0          7.0
## 3516  103643     10253     10281         9.0         9.0          9.0
## 3517  103644     10253     10282         7.0         7.0           NA
## 3518  103645     10253     10283         3.0         3.0          3.0
## 3519  103646     10253     10284         7.0          NA          7.0
## 3520  103647     10253     10285         7.0         7.0          5.0
## 3521  103648     10253     10286         5.0         7.0          3.0
## 3522  103649     10253     10287         7.0         4.0          7.0
## 3523  103650     10253     10288         3.0         6.0          6.0
## 3524  103651     10253     10289         5.0         9.0          8.0
## 3525  103652     10253     10290         5.0        10.0          8.0
## 3526  103653     10253     10291         5.0         7.0          6.0
## 3527  103654     10254     10271         7.0         6.0          8.0
## 3528  103655     10254     10272         4.0         8.0          8.0
## 3529  103656     10254     10273         6.0         5.0          7.0
## 3530  103657     10254     10274         7.0         8.0          9.0
## 3531  103658     10254     10275         7.0         7.0          7.0
## 3532  103659     10254     10276         8.0         7.0          8.0
## 3533  103660     10254     10277         7.0         7.0          8.0
## 3534  103661     10254     10278         7.0         8.0          8.0
## 3535  103662     10254     10279         7.0         5.0          7.0
## 3536  103663     10254     10280         8.0         7.0          7.0
## 3537  103664     10254     10281         9.0         9.0          9.0
## 3538  103665     10254     10282         7.0         6.0           NA
## 3539  103666     10254     10283         6.0         6.0          6.0
## 3540  103667     10254     10284         6.0          NA          7.0
## 3541  103668     10254     10285         6.0         7.0          6.0
## 3542  103669     10254     10286         6.0         6.0          6.0
## 3543  103670     10254     10287         6.0         8.0          8.0
## 3544  103671     10254     10288         7.0         8.0          8.0
## 3545  103672     10254     10289         5.0         8.0          8.0
## 3546  103673     10254     10290         6.0        10.0          7.0
## 3547  103674     10254     10291         6.0         8.0          9.0
```

```
## 3548   103675        10255        10271           7.0        6.0            7.0
## 3549   103676        10255        10272           6.0        8.0            8.0
## 3550   103677        10255        10273           6.0        6.0            7.0
## 3551   103678        10255        10274           6.0        5.0            4.0
## 3552   103679        10255        10275           7.0        6.0            6.0
## 3553   103680        10255        10276           5.0        5.0            5.0
## 3554   103681        10255        10277           8.0        8.0            7.0
## 3555   103682        10255        10278           6.0        6.0            6.0
## 3556   103683        10255        10279           6.0        7.0            5.0
## 3557   103684        10255        10280           8.0        8.0            8.0
## 3558   103685        10255        10281          10.0       10.0           10.0
## 3559   103686        10255        10282           7.0        7.0             NA
## 3560   103687        10255        10283           8.0        8.0            8.0
## 3561   103688        10255        10284           7.0         NA            8.0
## 3562   103689        10255        10285           8.0        6.0            7.0
## 3563   103690        10255        10286           4.0        5.0            6.0
## 3564   103691        10255        10287           7.0        8.0            6.0
## 3565   103692        10255        10288           6.0        7.0            7.0
## 3566   103693        10255        10289           6.0        7.0            6.0
## 3567   103694        10255        10290           9.0       10.0            7.0
## 3568   103695        10255        10291           7.0        7.0            6.0
## 3569   103696        10256        10271           8.0        7.0            8.0
## 3570   103697        10256        10272           7.0        6.0            5.0
## 3571   103698        10256        10273           7.0        6.0            6.0
## 3572   103699        10256        10274           6.0       10.0            9.0
## 3573   103700        10256        10275           8.0        7.0            8.0
## 3574   103701        10256        10276           5.0        7.0            7.0
## 3575   103702        10256        10277           7.0        6.0            8.0
## 3576   103703        10256        10278           8.0        8.0            8.0
## 3577   103704        10256        10279           5.0        7.0            6.0
## 3578   103705        10256        10280           8.0        8.0            8.0
## 3579   103706        10256        10281          10.0        9.0            9.0
## 3580   103707        10256        10282           7.0        7.0            7.0
## 3581   103708        10256        10283           7.0        7.0            7.0
## 3582   103709        10256        10284           8.0         NA            8.0
## 3583   103710        10256        10285           8.0        6.0            5.0
## 3584   103711        10256        10286           5.0        6.0            5.0
## 3585   103712        10256        10287           7.0        6.0            7.0
## 3586   103713        10256        10288           7.0        7.0            7.0
## 3587   103714        10256        10289           5.0        8.0            8.0
## 3588   103715        10256        10290           7.0        9.0            8.0
## 3589   103716        10256        10291           5.0        8.0            7.0
## 3590   103717        10257        10271           4.0        5.0            8.0
## 3591   103718        10257        10272           8.0        7.0            8.0
## 3592   103719        10257        10273            NA         NA             NA
## 3593   103720        10257        10274          10.0       10.0           10.0
## 3594   103721        10257        10275           8.0        8.0            8.0
## 3595   103722        10257        10276           6.0        5.0            5.0
## 3596   103723        10257        10277           9.0        1.0            6.0
## 3597   103724        10257        10278           7.0        7.0            9.0
## 3598   103725        10257        10279           5.0        5.0            7.0
## 3599   103726        10257        10280           7.0        7.0            7.0
## 3600   103727        10257        10281          10.0        9.0            9.0
## 3601   103728        10257        10282           5.0        4.0            6.0
```

```
## 3602   103729        10257       10283           9.0          9.0               9.0
## 3603   103730        10257       10284           7.0          NA                8.0
## 3604   103731        10257       10285           7.0          6.0               6.0
## 3605   103732        10257       10286           4.0          5.0               5.0
## 3606   103733        10257       10287           4.0          3.0               7.0
## 3607   103734        10257       10288           3.0          3.0               8.0
## 3608   103735        10257       10289           6.0          7.0               7.0
## 3609   103736        10257       10290           7.0          9.0               9.0
## 3610   103737        10257       10291           5.0          5.0               6.0
## 3611   103738        10258       10271           2.0          8.0               8.0
## 3612   103739        10258       10272           3.0          7.0               8.0
## 3613   103740        10258       10273           5.0          6.0               8.0
## 3614   103741        10258       10274           7.0          7.0               8.0
## 3615   103742        10258       10275           7.0          8.0               8.0
## 3616   103743        10258       10276           5.0          5.0               5.0
## 3617   103744        10258       10277           6.0          7.0               8.0
## 3618   103745        10258       10278           7.0          7.0               8.0
## 3619   103746        10258       10279           6.0          7.0               9.0
## 3620   103747        10258       10280          10.0          9.0               9.0
## 3621   103748        10258       10281           7.0          7.0               7.0
## 3622   103749        10258       10282           6.0          6.0                NA
## 3623   103750        10258       10283           6.0          6.0               6.0
## 3624   103751        10258       10284           7.0          NA                8.0
## 3625   103752        10258       10285           7.0          8.0               8.0
## 3626   103753        10258       10286           4.0          6.0               5.0
## 3627   103754        10258       10287           5.0          3.0               4.0
## 3628   103755        10258       10288           4.0          6.0               9.0
## 3629   103756        10258       10289           6.0          8.0               8.0
## 3630   103757        10258       10290           5.0         10.0               9.0
## 3631   103758        10258       10291           3.0          6.0               8.0
## 3632   103759        10259       10271           2.0          7.0               7.0
## 3633   103760        10259       10272           3.0          0.0               6.0
## 3634   103761        10259       10273           6.0          6.0               7.0
## 3635   103762        10259       10274           8.0         10.0               9.0
## 3636   103763        10259       10275           6.0          7.0               7.0
## 3637   103764        10259       10276           5.0          5.0               6.0
## 3638   103765        10259       10277           7.0          8.0              10.0
## 3639   103766        10259       10278           7.0          7.0               8.0
## 3640   103767        10259       10279           3.0          7.0               9.0
## 3641   103768        10259       10280           7.0          7.0               7.0
## 3642   103769        10259       10281           6.0          6.0               6.0
## 3643   103770        10259       10282           6.0          8.0               8.0
## 3644   103771        10259       10283           6.0          6.0               6.0
## 3645   103772        10259       10284           6.0          NA                8.0
## 3646   103773        10259       10285           4.0          6.0               5.0
## 3647   103774        10259       10286           4.0          6.0               6.0
## 3648   103775        10259       10287           4.0          2.0               6.0
## 3649   103776        10259       10288           5.0          7.0               8.0
## 3650   103777        10259       10289           6.0          7.0               8.0
## 3651   103778        10259       10290           5.0          9.0               7.0
## 3652   103779        10259       10291           5.0          6.0               7.0
## 3653   103780        10260       10271           2.0          8.0               9.0
## 3654   103781        10260       10272           4.0          6.0               7.0
## 3655   103782        10260       10273           4.0          7.0               8.0
```

```
## 3656   103783        10260        10274          5.0          6.0          7.0
## 3657   103784        10260        10275          5.0          5.0          5.0
## 3658   103785        10260        10276          5.0          5.0          6.0
## 3659   103786        10260        10277          6.0          8.0          9.0
## 3660   103787        10260        10278          3.0          7.0          7.0
## 3661   103788        10260        10279          6.0          7.0          7.0
## 3662   103789        10260        10280          7.0          7.0          7.0
## 3663   103790        10260        10281         10.0         10.0         10.0
## 3664   103791        10260        10282          5.0          9.0           NA
## 3665   103792        10260        10283          7.0          7.0          7.0
## 3666   103793        10260        10284          7.0           NA          9.0
## 3667   103794        10260        10285          6.0          8.0          6.0
## 3668   103795        10260        10286          4.0          7.0          7.0
## 3669   103796        10260        10287          6.0          9.0          9.0
## 3670   103797        10260        10288          3.0          5.0          6.0
## 3671   103798        10260        10289          5.0         10.0          9.0
## 3672   103799        10260        10290         10.0         10.0         10.0
## 3673   103800        10260        10291          3.0          8.0          7.0
## 3674   103801        10261        10271          2.0          8.0          8.0
## 3675   103802        10261        10272          7.0          8.0          9.0
## 3676   103803        10261        10273          6.0          6.0          7.0
## 3677   103804        10261        10274          8.0          5.0          7.0
## 3678   103805        10261        10275          6.0          8.0          7.0
## 3679   103806        10261        10276          8.0          8.0          8.0
## 3680   103807        10261        10277          8.0          8.0          8.0
## 3681   103808        10261        10278          6.0          7.0          8.0
## 3682   103809        10261        10279          6.0          7.0          9.0
## 3683   103810        10261        10280          8.0          8.0          8.0
## 3684   103811        10261        10281          1.0          1.0          1.0
## 3685   103812        10261        10282          6.0          6.0           NA
## 3686   103813        10261        10283          6.0          6.0          6.0
## 3687   103814        10261        10284          8.0          7.0          8.0
## 3689   103816        10261        10286          6.0          5.0          7.0
## 3690   103817        10261        10287          7.0          9.0          8.0
## 3691   103818        10261        10288          5.0          7.0          8.0
## 3692   103819        10261        10289          5.0         10.0          8.0
## 3693   103820        10261        10290          6.0         10.0         10.0
## 3694   103821        10261        10291          4.0          8.0          8.0
## 3695   103822        10262        10271          5.0          6.0          5.0
## 3696   103823        10262        10272          6.0          7.0          8.0
## 3697   103824        10262        10273          5.0          8.0          7.0
## 3698   103825        10262        10274          8.0          9.0          6.0
## 3699   103826        10262        10275          6.0          6.0          7.0
## 3700   103827        10262        10276          3.0          5.0          7.0
## 3701   103828        10262        10277          7.0          7.0          9.0
## 3702   103829        10262        10278          7.0          7.0          7.0
## 3703   103830        10262        10279          5.0          4.0          6.0
## 3704   103831        10262        10280          7.0          7.0          7.0
## 3705   103832        10262        10281         10.0         10.0         10.0
## 3706   103833        10262        10282          6.0          6.0           NA
## 3707   103834        10262        10283          7.0          7.0          7.0
## 3708   103835        10262        10284          8.0           NA          8.0
## 3709   103836        10262        10285          8.0          8.0          8.0
## 3710   103837        10262        10286          3.0          4.0          5.0
```

```
## 3711  103838        10262      10287       8.0       8.0        5.0
## 3712  103839        10262      10288       3.0       5.0        7.0
## 3713  103840        10262      10289       5.0       8.0        7.0
## 3714  103841        10262      10290       6.0      10.0       10.0
## 3715  103842        10262      10291       5.0       6.0        7.0
## 3716  103843        10263      10271       5.0       7.0        9.0
## 3717  103844        10263      10272       4.0       3.0        2.0
## 3718  103845        10263      10273       6.0       6.0        7.0
## 3719  103846        10263      10274       3.0       4.0        6.0
## 3720  103847        10263      10275       5.0       8.0        7.0
## 3721  103848        10263      10276       5.0       5.0        7.0
## 3722  103849        10263      10277       6.0       7.0        9.0
## 3723  103850        10263      10278       3.0       7.0        8.0
## 3724  103851        10263      10279       6.0       8.0        8.0
## 3725  103852        10263      10280       7.0       7.0        7.0
## 3727  103854        10263      10282       4.0       6.0         NA
## 3728  103855        10263      10283       7.0       7.0        7.0
## 3729  103856        10263      10284       7.0       6.0        9.0
## 3730  103857        10263      10285       5.0       9.0        7.0
## 3731  103858        10263      10286       3.0       6.0        5.0
## 3732  103859        10263      10287       3.0       4.0        5.0
## 3733  103860        10263      10288       3.0       5.0        6.0
## 3734  103861        10263      10289       4.0       9.0        9.0
## 3735  103862        10263      10290       5.0       7.0        7.0
## 3736  103863        10263      10291       4.0       5.0        4.0
## 3737  103864        10264      10271       8.0       8.0        9.0
## 3738  103865        10264      10272       8.0       9.0        8.0
## 3739  103866        10264      10273       6.0       6.0        8.0
## 3740  103867        10264      10274       9.0       9.0        6.0
## 3741  103868        10264      10275       7.0       7.0        7.0
## 3742  103869        10264      10276       8.0       7.0        8.0
## 3743  103870        10264      10277       8.0       7.0        8.0
## 3744  103871        10264      10278       8.0       7.0        7.0
## 3745  103872        10264      10279       9.0      10.0       10.0
## 3746  103873        10264      10280       7.0       7.0        7.0
## 3747  103874        10264      10281      10.0      10.0       10.0
## 3748  103875        10264      10282       6.0       8.0         NA
## 3749  103876        10264      10283       7.5       7.5        7.5
## 3750  103877        10264      10284       7.0        NA        8.0
## 3751  103878        10264      10285       7.0       7.0        7.0
## 3752  103879        10264      10286       7.0       6.0        7.0
## 3753  103880        10264      10287       8.0       9.0        8.0
## 3754  103881        10264      10288       4.0       7.0        7.0
## 3755  103882        10264      10289       7.0       9.0        9.0
## 3756  103883        10264      10290       7.0      10.0        8.0
## 3757  103884        10264      10291       6.0       7.0        6.0
## 3758  103885        10265      10271       9.0       7.0        5.0
## 3759  103886        10265      10272       3.0       2.0        3.0
## 3760  103887        10265      10273       5.0       6.0        7.0
## 3761  103888        10265      10274       5.0       8.0        3.0
## 3762  103889        10265      10275       6.0       8.0        7.0
## 3763  103890        10265      10276       8.0       7.0        6.0
## 3764  103891        10265      10277       6.0       7.0        8.0
## 3765  103892        10265      10278       5.0       5.0        5.0
```

```
## 3766   103893        10265        10279          5.0          5.0          6.0
## 3767   103894        10265        10280          8.0          8.0          8.0
## 3768   103895        10265        10281          5.0          5.0          5.0
## 3769   103896        10265        10282          7.0          7.0           NA
## 3770   103897        10265        10283          6.0          6.0          6.0
## 3771   103898        10265        10284          6.0           NA          7.0
## 3772   103899        10265        10285          9.0          9.0          9.0
## 3773   103900        10265        10286          3.0          6.0          3.0
## 3774   103901        10265        10287          7.0          6.0          5.0
## 3775   103902        10265        10288          4.0          5.0          5.0
## 3776   103903        10265        10289          6.0          9.0          8.0
## 3777   103904        10265        10290          5.0         10.0          7.0
## 3778   103905        10265        10291          7.0          6.0          7.0
## 3779   103906        10266        10271         10.0          9.0          9.0
## 3780   103907        10266        10272          8.0          9.0          9.0
## 3781   103908        10266        10273          9.0          7.0          8.0
## 3782   103909        10266        10274          8.0          9.0          8.0
## 3783   103910        10266        10275          9.0          8.0          8.0
## 3784   103911        10266        10276          7.0          5.0          7.0
## 3785   103912        10266        10277          8.0          9.0          9.0
## 3786   103913        10266        10278          6.0          7.0          7.0
## 3787   103914        10266        10279         10.0          8.0          8.0
## 3788   103915        10266        10280          9.0          9.0          9.0
## 3789   103916        10266        10281         10.0         10.0         10.0
## 3790   103917        10266        10282          7.0          7.0           NA
## 3791   103918        10266        10283          8.5          8.5          8.5
## 3792   103919        10266        10284         10.0           NA          8.0
## 3793   103920        10266        10285          9.0          9.0          9.0
## 3794   103921        10266        10286          5.0          5.0          6.0
## 3795   103922        10266        10287         10.0          9.0          8.0
## 3796   103923        10266        10288          9.0          8.0          8.0
## 3797   103924        10266        10289          9.0          9.0          9.0
## 3798   103925        10266        10290          8.0         10.0          7.0
## 3799   103926        10266        10291          9.0          8.0          9.0
## 3800   103927        10267        10271          9.0          9.0          8.0
## 3801   103928        10267        10272          8.0          9.0          8.0
## 3802   103929        10267        10273          8.0          6.0          7.0
## 3803   103930        10267        10274          9.0         10.0          8.0
## 3804   103931        10267        10275          7.0          8.0          7.0
## 3805   103932        10267        10276          5.0          6.0          8.0
## 3806   103933        10267        10277          8.0          7.0          9.0
## 3807   103934        10267        10278          8.0          8.0          8.0
## 3808   103935        10267        10279          8.0         10.0         10.0
## 3809   103936        10267        10280          8.0           NA          8.0
## 3810   103937        10267        10281          8.0          8.0          9.0
## 3811   103938        10267        10282          5.0          6.0           NA
## 3812   103939        10267        10283          8.0          8.0          8.0
## 3813   103940        10267        10284          7.0           NA          7.0
## 3814   103941        10267        10285          8.0          8.0          8.0
## 3815   103942        10267        10286          6.0          7.0          7.0
## 3816   103943        10267        10287          9.0          9.0         10.0
## 3817   103944        10267        10288          7.0          6.0          7.0
## 3818   103945        10267        10289          6.0          8.0          8.0
## 3819   103946        10267        10290          7.0          8.0          7.0
```

```
## 3820   103947        10267      10291           8.0         6.0              8.0
## 3821   103948        10268      10271           4.0         7.0              7.0
## 3822   103949        10268      10272           4.0         6.0              7.0
## 3823   103950        10268      10273           7.0         6.0              8.0
## 3824   103951        10268      10274           7.0         9.0              8.0
## 3825   103952        10268      10275           7.0         7.0              8.0
## 3826   103953        10268      10276           6.0         6.0              6.0
## 3827   103954        10268      10277           7.0         8.0              9.0
## 3828   103955        10268      10278           8.0         7.0              8.0
## 3829   103956        10268      10279           7.0         9.0             10.0
## 3830   103957        10268      10280           9.0         9.0              9.0
## 3831   103958        10268      10281           5.0         5.0              9.0
## 3832   103959        10268      10282           6.0         6.0               NA
## 3833   103960        10268      10283           6.0         6.0              6.0
## 3834   103961        10268      10284           7.0          NA              9.0
## 3835   103962        10268      10285           7.0         7.0              7.0
## 3836   103963        10268      10286           4.0         6.0              5.0
## 3837   103964        10268      10287           5.0         5.0              7.0
## 3838   103965        10268      10288           4.0         6.0              8.0
## 3839   103966        10268      10289           6.0         8.0              8.0
## 3840   103967        10268      10290           7.0        10.0              8.0
## 3841   103968        10268      10291           6.0         7.0              6.0
## 3842   103969        10269      10271           7.0         6.0              5.0
## 3843   103970        10269      10272           6.0         0.0              4.0
## 3844   103971        10269      10273           7.0         5.0              6.0
## 3845   103972        10269      10274           7.0         4.0              4.0
## 3846   103973        10269      10275           6.0         6.0              6.0
## 3847   103974        10269      10276           5.0         5.0              7.0
## 3848   103975        10269      10277           9.0         7.0              6.0
## 3849   103976        10269      10278           6.0         6.0              6.0
## 3850   103977        10269      10279           5.0         6.0              7.0
## 3851   103978        10269      10280           8.0         8.0              8.0
## 3852   103979        10269      10281          10.0         9.0              9.0
## 3853   103980        10269      10282           5.0         5.0               NA
## 3854   103981        10269      10283           6.0         6.0              6.0
## 3855   103982        10269      10284           8.0          NA              8.0
## 3856   103983        10269      10285           9.0         6.0              8.0
## 3857   103984        10269      10286           5.0         7.0              3.0
## 3858   103985        10269      10287           5.0         5.0              4.0
## 3859   103986        10269      10288           3.0         5.0              6.0
## 3860   103987        10269      10289           5.0         8.0              7.0
## 3861   103988        10269      10290           7.0        10.0              7.0
## 3862   103989        10269      10291           8.0         7.0              6.0
## 3863   103990        10270      10271           9.0         8.0              7.0
## 3864   103991        10270      10272           8.0         7.0              8.0
## 3865   103992        10270      10273           7.0         4.0              6.0
## 3866   103993        10270      10274           7.0         6.0              5.0
## 3867   103994        10270      10275           7.0         6.0              6.0
## 3868   103995        10270      10276           7.0         7.0              7.0
## 3869   103996        10270      10277           7.0         9.0              5.0
## 3870   103997        10270      10278           6.0         6.0              6.0
## 3871   103998        10270      10279           9.0         6.0              3.0
## 3872   103999        10270      10280           9.0         9.0              8.0
## 3873   104000        10270      10281          10.0        10.0             10.0
```

```
## 3874   104001        10270      10282         5.0       6.0            NA
## 3875   104002        10270      10283         8.0       8.0           8.0
## 3876   104003        10270      10284         9.0       8.0           9.0
## 3877   104004        10270      10285        10.0       7.0           9.0
## 3878   104005        10270      10286         7.0       4.0           4.0
## 3879   104006        10270      10287         6.0       4.0           4.0
## 3880   104007        10270      10288         8.0       6.0           6.0
## 3881   104008        10270      10289         7.0       8.0           7.0
## 3882   104009        10270      10290         6.0      10.0           6.0
## 3883   104010        10270      10291         7.0       8.0           6.0
## 3884   104011        10271      10250         6.0       6.0           7.0
## 3885   104012        10271      10251         5.0       6.0           7.0
## 3886   104013        10271      10252         6.0       6.0           6.0
## 3887   104014        10271      10253         6.0       7.0           6.0
## 3888   104015        10271      10254         7.0       7.0           6.0
## 3889   104016        10271      10255         5.0       7.0           8.0
## 3890   104017        10271      10256         5.0       3.0           9.0
## 3891   104018        10271      10257         7.0       8.0           9.0
## 3892   104019        10271      10258         5.0       7.0           8.0
## 3893   104020        10271      10259         6.0       8.0           8.0
## 3894   104021        10271      10260         9.0       9.0           9.0
## 3895   104022        10271      10261         8.0      10.0          10.0
## 3896   104023        10271      10262         3.0       6.0           6.0
## 3897   104024        10271      10263         6.0       6.0           6.0
## 3898   104025        10271      10264         5.0       8.0           9.0
## 3899   104026        10271      10265         4.0       5.0           6.0
## 3900   104027        10271      10266         9.0       9.0           9.0
## 3901   104028        10271      10267         6.0       8.0           8.0
## 3902   104029        10271      10268         5.0       6.0           6.0
## 3903   104030        10271      10269         6.0       6.0           7.0
## 3904   104031        10271      10270         4.0       4.0           7.0
## 3905   104032        10272      10250         4.0       5.0           6.0
## 3906   104033        10272      10251         6.0       7.0           7.0
## 3907   104034        10272      10252         4.0       3.0           3.0
## 3908   104035        10272      10253         6.0       6.0           6.0
## 3909   104036        10272      10254         6.0       7.0           6.0
## 3910   104037        10272      10255         5.0       7.0           7.0
## 3911   104038        10272      10256         8.0       6.0           5.0
## 3912   104039        10272      10257         5.0       6.0           7.0
## 3913   104040        10272      10258         6.0       8.0           6.0
## 3914   104041        10272      10259         5.0       6.0           7.0
## 3915   104042        10272      10260         7.0       7.0           8.0
## 3916   104043        10272      10261         8.0       9.0           8.0
## 3917   104044        10272      10262         6.0       8.0           8.0
## 3918   104045        10272      10263         5.0       6.0           6.0
## 3919   104046        10272      10264         4.0       4.0           6.0
## 3920   104047        10272      10265         4.0       6.0           5.0
## 3921   104048        10272      10266         8.0       7.0           7.0
## 3922   104049        10272      10267         8.0       8.0           7.0
## 3923   104050        10272      10268         4.0       5.0           5.0
## 3924   104051        10272      10269         5.0       4.0           4.0
## 3925   104052        10272      10270         4.0       6.0           7.0
## 3926   104053        10273      10250         7.0       6.0           9.0
## 3927   104054        10273      10251         6.0       7.0           7.0
```

```
## 3928   104055          10273        10252           8.0          7.0            6.0
## 3929   104056          10273        10253           6.0          6.0            7.0
## 3930   104057          10273        10254           6.0          6.0            7.0
## 3931   104058          10273        10255           5.0          5.0            6.0
## 3932   104059          10273        10256           6.0          8.0            7.0
## 3934   104061          10273        10258           6.0          8.0            7.0
## 3935   104062          10273        10259           8.0          8.0            8.0
## 3936   104063          10273        10260           6.0          8.0            8.0
## 3937   104064          10273        10261           5.0         10.0            9.0
## 3938   104065          10273        10262           5.0          6.0            7.0
## 3939   104066          10273        10263           8.0          6.0           10.0
## 3940   104067          10273        10264           5.0          0.0            5.0
## 3941   104068          10273        10265           6.0          5.0            7.0
## 3942   104069          10273        10266           8.0          7.0            7.0
## 3943   104070          10273        10267           6.0          7.0            8.0
## 3944   104071          10273        10268           5.0          8.0            7.0
## 3945   104072          10273        10269           6.0          4.0            5.0
## 3946   104073          10273        10270           7.0          6.0            8.0
## 3947   104074          10274        10250           2.0          4.0            5.0
## 3948   104075          10274        10251           6.0          6.0            7.0
## 3949   104076          10274        10252           8.0          7.0            6.0
## 3950   104077          10274        10253           6.0          6.0            6.0
## 3951   104078          10274        10254           6.0          5.0            6.0
## 3952   104079          10274        10255           3.0          5.0            6.0
## 3953   104080          10274        10256           7.0         10.0           10.0
## 3954   104081          10274        10257           7.0          2.0            8.0
## 3955   104082          10274        10258           7.0          7.0            8.0
## 3956   104083          10274        10259           8.0         10.0            9.0
## 3957   104084          10274        10260           7.0          7.0            8.0
## 3958   104085          10274        10261           5.0          9.0            7.0
## 3959   104086          10274        10262           5.0          6.0            7.0
## 3960   104087          10274        10263           6.0          5.0            8.0
## 3961   104088          10274        10264           4.0          6.0            7.0
## 3962   104089          10274        10265           5.0          6.0            6.0
## 3963   104090          10274        10266           7.0          8.0            9.0
## 3964   104091          10274        10267           6.0          8.0            9.0
## 3965   104092          10274        10268           7.0          7.0            8.0
## 3966   104093          10274        10269           4.0          4.0            7.0
## 3967   104094          10274        10270           6.0          8.0            9.0
## 3968   104095          10275        10250           2.0          1.0            1.0
## 3969   104096          10275        10251           7.0          7.0            8.0
## 3970   104097          10275        10252           9.0          5.0            8.0
## 3971   104098          10275        10253           6.0          6.0            6.0
## 3972   104099          10275        10254           6.0          6.0            6.0
## 3973   104100          10275        10255           5.0          6.0            6.0
## 3974   104101          10275        10256           8.0          9.0           10.0
## 3975   104102          10275        10257           7.0          3.0           10.0
## 3976   104103          10275        10258           9.0          9.0           10.0
## 3977   104104          10275        10259           8.0          8.0            8.0
## 3978   104105          10275        10260           8.0          7.0            8.0
## 3979   104106          10275        10261           8.0          8.0            8.0
## 3980   104107          10275        10262           6.0          6.0            7.0
## 3981   104108          10275        10263           5.0          6.0            6.0
## 3982   104109          10275        10264           4.0          8.0            6.0
```

## 3983	104110	10275	10265	6.0	6.0	5.0
## 3984	104111	10275	10266	7.0	8.0	9.0
## 3985	104112	10275	10267	8.0	7.0	7.0
## 3986	104113	10275	10268	5.0	6.0	7.0
## 3987	104114	10275	10269	6.0	5.0	7.0
## 3988	104115	10275	10270	7.0	7.0	8.0
## 3989	104116	10276	10250	1.0	2.0	8.0
## 3990	104117	10276	10251	5.0	6.0	6.0
## 3991	104118	10276	10252	4.0	5.0	5.0
## 3992	104119	10276	10253	5.0	5.0	5.0
## 3993	104120	10276	10254	4.0	7.0	7.0
## 3994	104121	10276	10255	2.0	7.0	8.0
## 3995	104122	10276	10256	4.0	6.0	6.0
## 3996	104123	10276	10257	7.0	7.0	8.0
## 3997	104124	10276	10258	6.0	8.0	7.0
## 3998	104125	10276	10259	5.0	7.0	7.0
## 3999	104126	10276	10260	6.0	8.0	8.0
## 4000	104127	10276	10261	4.0	7.0	7.0
## 4001	104128	10276	10262	3.0	6.0	7.0
## 4002	104129	10276	10263	5.0	6.0	6.0
## 4003	104130	10276	10264	4.0	7.0	9.0
## 4004	104131	10276	10265	4.0	6.0	5.0
## 4005	104132	10276	10266	6.0	8.0	8.0
## 4006	104133	10276	10267	5.0	8.0	9.0
## 4007	104134	10276	10268	5.0	6.0	5.0
## 4008	104135	10276	10269	4.0	4.0	6.0
## 4009	104136	10276	10270	5.0	4.0	10.0
## 4010	104137	10277	10250	4.0	2.0	5.0
## 4011	104138	10277	10251	7.0	6.0	7.0
## 4012	104139	10277	10252	9.0	8.0	8.0
## 4013	104140	10277	10253	6.0	6.0	6.0
## 4014	104141	10277	10254	8.0	7.0	7.0
## 4015	104142	10277	10255	6.0	6.0	7.0
## 4016	104143	10277	10256	5.0	6.0	10.0
## 4017	104144	10277	10257	5.0	1.0	8.0
## 4018	104145	10277	10258	9.0	7.0	8.0
## 4019	104146	10277	10259	8.0	6.0	8.0
## 4020	104147	10277	10260	7.0	7.0	8.0
## 4021	104148	10277	10261	9.0	9.0	8.0
## 4022	104149	10277	10262	7.0	8.0	8.0
## 4023	104150	10277	10263	6.0	4.0	5.0
## 4024	104151	10277	10264	7.0	9.0	9.0
## 4025	104152	10277	10265	6.0	5.0	5.0
## 4026	104153	10277	10266	9.5	9.0	9.0
## 4027	104154	10277	10267	8.0	7.0	8.0
## 4028	104155	10277	10268	6.0	6.0	6.0
## 4029	104156	10277	10269	7.0	6.0	7.0
## 4030	104157	10277	10270	8.0	9.0	8.0
## 4031	104158	10278	10250	1.0	9.0	8.0
## 4032	104159	10278	10251	5.0	6.0	7.0
## 4033	104160	10278	10252	5.0	5.0	7.0
## 4034	104161	10278	10253	6.0	6.0	7.0
## 4035	104162	10278	10254	6.0	7.0	7.0
## 4036	104163	10278	10255	3.0	4.0	6.0

```
## 4037  104164        10278        10256        5.0        9.0            8.0
## 4038  104165        10278        10257        5.0        7.0            8.0
## 4039  104166        10278        10258        7.0        9.0            9.0
## 4040  104167        10278        10259        4.0        8.0            8.0
## 4041  104168        10278        10260        6.0        9.0            9.0
## 4042  104169        10278        10261        6.0        9.0            9.0
## 4043  104170        10278        10262        5.0        7.0            8.0
## 4044  104171        10278        10263        8.0       10.0           10.0
## 4045  104172        10278        10264        3.0        6.0            8.0
## 4046  104173        10278        10265        4.0        7.0            7.0
## 4047  104174        10278        10266        5.0        8.0            8.0
## 4048  104175        10278        10267        5.0        9.0            9.0
## 4049  104176        10278        10268        6.0        7.0            8.0
## 4050  104177        10278        10269        5.0        4.0            8.0
## 4051  104178        10278        10270        2.0        4.0            8.0
## 4052  104179        10279        10250        4.0        6.0            8.0
## 4053  104180        10279        10251        7.0        7.0            7.0
## 4054  104181        10279        10252        6.0        3.0            4.0
## 4055  104182        10279        10253        6.0        6.0            7.0
## 4056  104183        10279        10254        6.0        5.0            7.0
## 4057  104184        10279        10255        3.0        5.0            6.0
## 4058  104185        10279        10256        5.0        6.0           10.0
## 4059  104186        10279        10257        7.0        8.0            8.0
## 4060  104187        10279        10258        4.0        7.0            7.0
## 4061  104188        10279        10259        6.0        8.0            9.0
## 4062  104189        10279        10260        6.0        7.0            8.0
## 4063  104190        10279        10261        7.0        4.0            9.0
## 4064  104191        10279        10262        4.0        4.0            6.0
## 4065  104192        10279        10263        9.0        6.0            9.0
## 4066  104193        10279        10264        4.0        7.0            9.0
## 4067  104194        10279        10265        4.0        6.0            7.0
## 4068  104195        10279        10266        5.0        6.0            7.0
## 4069  104196        10279        10267        6.0        6.0           10.0
## 4070  104197        10279        10268        6.0        6.0            7.0
## 4071  104198        10279        10269        4.0        5.0            6.0
## 4072  104199        10279        10270        7.0        6.0            9.0
## 4073  104200        10280        10250        1.0        2.0            5.0
## 4074  104201        10280        10251        7.0        7.0            7.0
## 4075  104202        10280        10252        7.0        6.0            5.0
## 4076  104203        10280        10253        6.0        7.0            7.0
## 4077  104204        10280        10254        6.0        8.0            6.0
## 4078  104205        10280        10255        7.0        7.0            7.0
## 4079  104206        10280        10256        7.0        9.0            9.0
## 4080  104207        10280        10257        7.0        7.0            8.0
## 4081  104208        10280        10258        7.0        8.0            6.0
## 4082  104209        10280        10259        5.0        7.0            8.0
## 4083  104210        10280        10260        8.0        8.0            7.0
## 4084  104211        10280        10261        9.0        9.0            9.0
## 4085  104212        10280        10262        8.0        8.0            7.0
## 4086  104213        10280        10263        9.0        8.0            8.0
## 4087  104214        10280        10264        4.0        8.0            6.0
## 4088  104215        10280        10265        6.0        5.0            6.0
## 4089  104216        10280        10266        7.0        5.0            6.0
## 4090  104217        10280        10267        6.0        8.0            5.0
```

```
## 4091   104218        10280        10268         6.0          7.0          6.0
## 4092   104219        10280        10269         7.0          7.0          7.0
## 4093   104220        10280        10270         6.0          7.0          9.0
## 4094   104221        10281        10250         6.0          1.0          5.0
## 4095   104222        10281        10251         4.0          8.0          8.0
## 4096   104223        10281        10252         6.0          6.0          6.0
## 4097   104224        10281        10253         6.0          7.0          7.0
## 4098   104225        10281        10254         5.0          7.0          6.0
## 4099   104226        10281        10255         4.0          7.0          9.0
## 4100   104227        10281        10256         9.0         10.0          8.0
## 4101   104228        10281        10257         6.0          9.0          9.0
## 4102   104229        10281        10258         4.0          7.0          5.0
## 4103   104230        10281        10259         3.0          6.0          7.0
## 4104   104231        10281        10260         6.0          7.0          7.0
## 4105   104232        10281        10261         8.0         10.0          9.0
## 4106   104233        10281        10262         4.0          8.0          8.0
## 4107   104234        10281        10263          NA           NA           NA
## 4108   104235        10281        10264         2.0          7.0          7.0
## 4109   104236        10281        10265         3.0          7.0          7.0
## 4110   104237        10281        10266         5.0          7.0          8.0
## 4111   104238        10281        10267         7.0         10.0          7.0
## 4112   104239        10281        10268         5.0          7.0          7.0
## 4113   104240        10281        10269         4.0          6.0          5.0
## 4114   104241        10281        10270         5.0          7.0          7.0
## 4115   104242        10282        10250         2.0          4.0          4.0
## 4116   104243        10282        10251         7.0          7.0          7.0
## 4117   104244        10282        10252         6.0          3.0          5.0
## 4118   104245        10282        10253         6.0          7.0          7.0
## 4119   104246        10282        10254         7.0          7.0          7.0
## 4120   104247        10282        10255         6.0          7.0          8.0
## 4121   104248        10282        10256         6.0         10.0          9.0
## 4122   104249        10282        10257         7.0          8.0          9.0
## 4123   104250        10282        10258         7.0          8.0          8.0
## 4124   104251        10282        10259         3.0          5.0          6.0
## 4125   104252        10282        10260         8.0          8.0          8.0
## 4126   104253        10282        10261         6.0         10.0          9.0
## 4127   104254        10282        10262         7.0          8.0          8.0
## 4128   104255        10282        10263         8.0          8.0          8.0
## 4129   104256        10282        10264         6.0          6.0          7.0
## 4130   104257        10282        10265         3.0          6.0          6.0
## 4131   104258        10282        10266         8.0          8.0          7.0
## 4132   104259        10282        10267         6.0          8.0          8.0
## 4133   104260        10282        10268         5.0          7.0          7.0
## 4134   104261        10282        10269         5.0          3.0          4.0
## 4135   104262        10282        10270         3.0          4.0          6.0
## 4136   104263        10283        10250         1.0          1.0          6.0
## 4137   104264        10283        10251         6.0          8.0          8.0
## 4138   104265        10283        10252         3.0          5.0          5.0
## 4139   104266        10283        10253         5.0          5.0          5.0
## 4140   104267        10283        10254         7.0          8.0          7.0
## 4141   104268        10283        10255         5.0          7.0          7.0
## 4142   104269        10283        10256         4.0         10.0         10.0
## 4143   104270        10283        10257         6.0          8.0          8.0
## 4144   104271        10283        10258         6.0          9.0          7.0
```

```
## 4145   104272          10283        10259           5.0          7.0              7.0
## 4146   104273          10283        10260           6.0          8.0              8.0
## 4147   104274          10283        10261           6.0         10.0              8.0
## 4148   104275          10283        10262           2.0          5.0              6.0
## 4149   104276          10283        10263           5.0          6.0              8.0
## 4150   104277          10283        10264           2.0          6.0              7.0
## 4151   104278          10283        10265           3.0          6.0              6.0
## 4152   104279          10283        10266           6.0          8.0              8.0
## 4153   104280          10283        10267           6.0          9.0              8.0
## 4154   104281          10283        10268           4.0          5.0              5.0
## 4155   104282          10283        10269           4.0          6.0              6.0
## 4156   104283          10283        10270           4.0          4.0              7.0
## 4157   104284          10284        10250           4.0          9.0              3.0
## 4158   104285          10284        10251           6.0          7.0              6.0
## 4159   104286          10284        10252           5.0          5.0              7.0
## 4160   104287          10284        10253           5.0          6.0              7.0
## 4161   104288          10284        10254           4.0          6.0              7.0
## 4162   104289          10284        10255           3.0          5.0              6.0
## 4163   104290          10284        10256           5.0          4.0              8.0
## 4164   104291          10284        10257           6.0          8.0              8.0
## 4165   104292          10284        10258           4.0          8.0              7.0
## 4166   104293          10284        10259           4.0          5.0              6.0
## 4167   104294          10284        10260           7.0          9.0              8.0
## 4168   104295          10284        10261           6.0         10.0             10.0
## 4169   104296          10284        10262           4.0          7.0              7.0
## 4170   104297          10284        10263           6.0          8.0              8.0
## 4171   104298          10284        10264           4.0          9.0              5.0
## 4172   104299          10284        10265           3.0          7.0              7.0
## 4173   104300          10284        10266           5.0          6.0              6.0
## 4174   104301          10284        10267           7.0          8.0              9.0
## 4175   104302          10284        10268           5.0          6.0              6.0
## 4176   104303          10284        10269           5.0          6.0              6.0
## 4177   104304          10284        10270           3.0          2.0              8.0
## 4178   104305          10285        10250           1.0          2.0              3.0
## 4179   104306          10285        10251           5.0          5.0              6.0
## 4180   104307          10285        10252           5.0          6.0              6.0
## 4181   104308          10285        10253           5.0          5.0              5.0
## 4182   104309          10285        10254           7.0          4.0              5.0
## 4183   104310          10285        10255           3.0          4.0              6.0
## 4184   104311          10285        10256           4.0          3.0              7.0
## 4185   104312          10285        10257           6.0          6.0              7.0
## 4186   104313          10285        10258           5.0          6.0              6.0
## 4187   104314          10285        10259           6.0          4.0              6.0
## 4188   104315          10285        10260           6.0          7.0              8.0
## 4189   104316          10285        10261            NA           NA               NA
## 4190   104317          10285        10262           2.0          3.0              6.0
## 4191   104318          10285        10263           6.0          8.0              9.0
## 4192   104319          10285        10264           2.0          2.0              7.0
## 4193   104320          10285        10265           3.0          7.0              7.0
## 4194   104321          10285        10266           5.0          5.0              6.0
## 4195   104322          10285        10267           6.0          8.0              8.0
## 4196   104323          10285        10268           4.0          6.0              5.0
## 4197   104324          10285        10269           4.0          4.0              4.0
## 4198   104325          10285        10270           2.0          2.0              6.0
```

```
## 4199   104326        10286        10250          1.0          6.0          5.0
## 4200   104327        10286        10251          5.0          5.0          6.0
## 4201   104328        10286        10252          5.0          9.0          8.0
## 4202   104329        10286        10253          6.0          6.0          6.0
## 4203   104330        10286        10254          6.0          7.0          7.0
## 4204   104331        10286        10255          4.0          5.0          6.0
## 4205   104332        10286        10256          6.0          5.0          9.0
## 4206   104333        10286        10257          7.0          7.0          7.0
## 4207   104334        10286        10258          8.0          8.0          8.0
## 4208   104335        10286        10259          7.0          6.0          7.0
## 4209   104336        10286        10260          9.0          8.0          7.0
## 4210   104337        10286        10261          5.0         10.0          9.0
## 4211   104338        10286        10262          8.0          7.0          7.0
## 4212   104339        10286        10263          6.0          7.0          7.0
## 4213   104340        10286        10264          6.0          8.0          8.0
## 4214   104341        10286        10265          5.0          5.0          6.0
## 4215   104342        10286        10266          7.0          7.0          7.0
## 4216   104343        10286        10267          7.0          9.0          8.0
## 4217   104344        10286        10268          6.0          7.0          7.0
## 4218   104345        10286        10269          7.0          6.0          6.0
## 4219   104346        10286        10270          5.0          5.0          8.0
## 4220   104347        10287        10250          2.0          6.0          6.0
## 4221   104348        10287        10251          7.0          7.0          7.0
## 4222   104349        10287        10252          5.0          7.0          6.0
## 4223   104350        10287        10253          6.0          7.0          7.0
## 4224   104351        10287        10254          7.0          7.0          6.0
## 4225   104352        10287        10255          5.0          7.0          7.0
## 4226   104353        10287        10256          9.0          6.0          8.0
## 4227   104354        10287        10257          7.0          8.0          7.0
## 4228   104355        10287        10258          7.0          7.0          8.0
## 4229   104356        10287        10259          6.0          7.0          7.0
## 4230   104357        10287        10260          8.0          8.0          9.0
## 4231   104358        10287        10261          6.0         10.0          9.0
## 4232   104359        10287        10262          6.0          8.0          8.0
## 4233   104360        10287        10263          6.0          6.0          6.0
## 4234   104361        10287        10264          7.0          9.0          8.0
## 4235   104362        10287        10265          5.0          5.0          5.0
## 4236   104363        10287        10266          5.0          7.0          9.0
## 4237   104364        10287        10267          8.0          8.0          8.0
## 4238   104365        10287        10268          6.0          5.0          6.0
## 4239   104366        10287        10269          4.0          7.0          7.0
## 4240   104367        10287        10270          6.0          6.0          7.0
## 4241   104368        10288        10250          4.0          2.0          7.0
## 4242   104369        10288        10251          6.0          7.0          7.0
## 4243   104370        10288        10252          8.0          3.0          3.0
## 4244   104371        10288        10253          6.0          6.0          6.0
## 4245   104372        10288        10254          7.0          6.0          6.0
## 4246   104373        10288        10255          7.0          8.0          8.0
## 4247   104374        10288        10256          4.0          7.0          9.0
## 4248   104375        10288        10257          7.0          7.0          9.0
## 4249   104376        10288        10258          7.0          9.0         10.0
## 4250   104377        10288        10259          7.0          8.0          7.0
## 4251   104378        10288        10260          6.0          6.0          7.0
## 4252   104379        10288        10261          8.0          9.0          9.0
```

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## 4253   104380        10288       10262        5.0        6.0          7.0
## 4254   104381        10288       10263        9.0        5.0          8.0
## 4255   104382        10288       10264        8.0        5.0          8.0
## 4256   104383        10288       10265        4.0        6.0          7.0
## 4257   104384        10288       10266        8.0        8.0          9.0
## 4258   104385        10288       10267        9.0        6.0          8.0
## 4259   104386        10288       10268        5.0        6.0          7.0
## 4260   104387        10288       10269        6.0        7.0          7.0
## 4261   104388        10288       10270        7.0        6.0          9.0
## 4262   104389        10289       10250        1.0        7.0          9.0
## 4263   104390        10289       10251        4.0        7.0          7.0
## 4264   104391        10289       10252        5.0        7.0          9.0
## 4265   104392        10289       10253        7.0        7.0          7.0
## 4266   104393        10289       10254        5.0        6.0          7.0
## 4267   104394        10289       10255        5.0        7.0          9.0
## 4268   104395        10289       10256        4.0        5.0          9.0
## 4269   104396        10289       10257        6.0        8.0          8.0
## 4270   104397        10289       10258        6.0        7.0          9.0
## 4271   104398        10289       10259        4.0        8.0          8.0
## 4272   104399        10289       10260        7.0        8.0          8.0
## 4273   104400        10289       10261        4.0       10.0         10.0
## 4274   104401        10289       10262        7.0        6.0          6.0
## 4275   104402        10289       10263        6.0        7.0          7.0
## 4276   104403        10289       10264        7.0        8.0          9.0
## 4277   104404        10289       10265        4.0        7.0          7.0
## 4278   104405        10289       10266        5.0        8.0          9.0
## 4279   104406        10289       10267        7.0        8.0          9.0
## 4280   104407        10289       10268        4.0        5.0          8.0
## 4281   104408        10289       10269        4.0        7.0          6.0
## 4282   104409        10289       10270        5.0        6.0         10.0
## 4283   104410        10290       10250        8.0        1.0          8.0
## 4284   104411        10290       10251        5.0        7.0          6.0
## 4285   104412        10290       10252        8.0        7.0          5.0
## 4286   104413        10290       10253        6.0        7.0          7.0
## 4287   104414        10290       10254        7.0        7.0          7.0
## 4288   104415        10290       10255        7.0        7.0          7.0
## 4289   104416        10290       10256        9.0       10.0          9.0
## 4290   104417        10290       10257        7.0        7.0          8.0
## 4291   104418        10290       10258        8.0        8.0          8.0
## 4292   104419        10290       10259        6.0        6.0          6.0
## 4293   104420        10290       10260       10.0        9.0          9.0
## 4294   104421        10290       10261       10.0        8.0          9.0
## 4295   104422        10290       10262        6.0        7.0          6.0
## 4296   104423        10290       10263        9.0        6.0          8.0
## 4297   104424        10290       10264        6.0        7.0          8.0
## 4298   104425        10290       10265        5.0        5.0          6.0
## 4299   104426        10290       10266        9.0        8.0          9.0
## 4300   104427        10290       10267        8.0        7.0          7.0
## 4301   104428        10290       10268        7.0        7.0          7.0
## 4302   104429        10290       10269        7.0        7.0          7.0
## 4303   104430        10290       10270        6.0        8.0          8.0
## 4304   104431        10291       10250        2.0        8.0          8.0
## 4305   104432        10291       10251        5.0        7.0          6.0
## 4306   104433        10291       10252        4.0        4.0          5.0
```

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## 4307   104434        10291        10253         6.0         6.0         6.0
## 4308   104435        10291        10254         5.0         6.0         7.0
## 4309   104436        10291        10255         3.0         5.0         5.0
## 4310   104437        10291        10256         6.0         7.0         9.0
## 4311   104438        10291        10257         6.0         6.0         7.0
## 4312   104439        10291        10258         7.0         7.0         8.0
## 4313   104440        10291        10259         7.0         6.0         7.0
## 4314   104441        10291        10260         8.0         8.0         8.0
## 4315   104442        10291        10261         9.0         9.0         9.0
## 4316   104443        10291        10262         3.0         7.0         6.0
## 4317   104444        10291        10263         6.0         8.0         8.0
## 4318   104445        10291        10264         4.0         5.0         4.0
## 4319   104446        10291        10265         4.0         7.0         6.0
## 4320   104447        10291        10266         7.0         8.0         9.0
## 4321   104448        10291        10267         8.0         6.0         7.0
## 4322   104449        10291        10268         6.0         5.0         5.0
## 4323   104450        10291        10269         6.0         7.0         6.0
## 4324   104451        10291        10270         6.0         6.0         6.0
## 4325   104452        10292        10306         9.0         9.0         9.0
## 4326   104453        10292        10307        10.0        10.0        10.0
## 4327   104454        10292        10308         7.0         7.0         8.0
## 4328   104455        10292        10309         6.0         7.0         8.0
## 4329   104456        10292        10310         8.0         8.0         8.0
## 4330   104457        10292        10311         6.0         5.0         6.0
## 4331   104458        10292        10312         7.0         7.0         6.0
## 4332   104459        10292        10313         9.0         8.0        10.0
## 4333   104460        10292        10314         7.0         8.0         9.0
## 4334   104461        10292        10315         8.0         7.0         9.0
## 4335   104462        10292        10316         6.0         7.0         7.0
## 4336   104463        10292        10317        10.0         9.0         9.0
## 4337   104464        10292        10318        10.0         8.0        10.0
## 4338   104465        10292        10319         7.0         7.0         7.0
## 4339   104466        10293        10306         8.0         9.0         8.0
## 4340   104467        10293        10307         9.0        10.0         8.0
## 4341   104468        10293        10308         6.0         7.0         7.0
## 4342   104469        10293        10309         4.0         5.0         5.0
## 4343   104470        10293        10310         5.0         6.0         6.0
## 4344   104471        10293        10311         5.0         7.0         8.0
## 4345   104472        10293        10312         4.0         6.0         5.0
## 4346   104473        10293        10313         7.0         7.0         9.0
## 4347   104474        10293        10314         5.0         6.0         6.0
## 4348   104475        10293        10315         4.0         7.0         7.0
## 4349   104476        10293        10316         6.0         6.0         6.0
## 4350   104477        10293        10317         6.0         9.0         7.0
## 4351   104478        10293        10318         5.0         7.0         7.0
## 4352   104479        10293        10319         4.0         5.0         6.0
## 4353   104480        10294        10306         7.0         8.0         8.0
## 4354   104481        10294        10307         8.0        10.0        10.0
## 4355   104482        10294        10308         6.0         8.0         8.0
## 4356   104483        10294        10309         5.0         5.0         7.0
## 4357   104484        10294        10310         3.0         6.0         7.0
## 4358   104485        10294        10311         3.0         6.0         9.0
## 4359   104486        10294        10312         4.0         6.0         6.0
## 4360   104487        10294        10313         7.0         8.0         8.0
```

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## 4361   104488        10294       10314          6.0        8.0            8.0
## 4362   104489        10294       10315          5.0       10.0            9.0
## 4363   104490        10294       10316          4.0        5.0            7.0
## 4364   104491        10294       10317          6.0        9.0            7.0
## 4365   104492        10294       10318          5.0        8.0            8.0
## 4366   104493        10294       10319          4.0        7.0            7.0
## 4367   104494        10295       10306          8.0        9.0            8.0
## 4368   104495        10295       10307         10.0       10.0            8.0
## 4369   104496        10295       10308          9.0        8.0            7.0
## 4370   104497        10295       10309          7.0        8.0            5.0
## 4371   104498        10295       10310          7.0        5.0            5.0
## 4372   104499        10295       10311          6.0        7.0            6.0
## 4373   104500        10295       10312          5.0        5.0            6.0
## 4374   104501        10295       10313          6.0        8.0            8.0
## 4375   104502        10295       10314          7.0        6.0            6.0
## 4376   104503        10295       10315          8.0        4.0            6.0
## 4377   104504        10295       10316          7.0        7.0            6.0
## 4378   104505        10295       10317          9.0        9.0            7.0
## 4379   104506        10295       10318          6.0       10.0            7.0
## 4380   104507        10295       10319          6.0        7.0            7.0
## 4381   104508        10296       10306          9.0        8.0            9.0
## 4382   104509        10296       10307          8.0       10.0            8.0
## 4383   104510        10296       10308          7.0        7.0            7.0
## 4384   104511        10296       10309          5.0        6.0            6.0
## 4385   104512        10296       10310          5.0        7.0            7.0
## 4386   104513        10296       10311          4.0        6.0            7.0
## 4387   104514        10296       10312          4.0        5.0            5.0
## 4388   104515        10296       10313          8.0        7.0            9.0
## 4389   104516        10296       10314          5.0        6.0            5.0
## 4390   104517        10296       10315          4.0        8.0            7.0
## 4391   104518        10296       10316          5.0        6.0            7.0
## 4392   104519        10296       10317          7.0        8.0            8.0
## 4393   104520        10296       10318          6.0       10.0            7.0
## 4394   104521        10296       10319          4.0        7.0            7.0
## 4395   104522        10297       10306          8.0        9.0            8.0
## 4396   104523        10297       10307          7.0       10.0            9.0
## 4397   104524        10297       10308          6.0        6.0            6.0
## 4398   104525        10297       10309          5.0        5.0            6.0
## 4399   104526        10297       10310          5.0        7.0            8.0
## 4400   104527        10297       10311          4.0        7.0            7.0
## 4401   104528        10297       10312          6.0        6.0            5.0
## 4402   104529        10297       10313          7.0        9.0            9.0
## 4403   104530        10297       10314          5.0        8.0            7.0
## 4404   104531        10297       10315          5.0        8.0            8.0
## 4405   104532        10297       10316          4.0        7.0            8.0
## 4406   104533        10297       10317          7.0        9.0            8.0
## 4407   104534        10297       10318          6.0       10.0            8.0
## 4408   104535        10297       10319          6.0        7.0            7.0
## 4409   104536        10298       10306          6.0        8.0            8.0
## 4410   104537        10298       10307         10.0       10.0            8.0
## 4411   104538        10298       10308          6.0        6.0            6.0
## 4412   104539        10298       10309          4.0        2.0            5.0
## 4413   104540        10298       10310          4.0        6.0            6.0
## 4414   104541        10298       10311          3.0        6.0            7.0
```

```
## 4415   104542        10298      10312       5.0       7.0        7.0
## 4416   104543        10298      10313       5.0       9.0        9.0
## 4417   104544        10298      10314       6.0       8.0        8.0
## 4418   104545        10298      10315       4.0       7.0        8.0
## 4419   104546        10298      10316       7.0       7.0        7.0
## 4420   104547        10298      10317       6.0       8.0        9.0
## 4421   104548        10298      10318       9.0       4.0        5.0
## 4422   104549        10298      10319       4.0       7.0        7.0
## 4423   104550        10299      10306       7.0       9.0        8.0
## 4424   104551        10299      10307       8.0      10.0       10.0
## 4425   104552        10299      10308       8.0       7.0        7.0
## 4426   104553        10299      10309       6.0       6.0        7.0
## 4427   104554        10299      10310       6.0       6.0        8.0
## 4428   104555        10299      10311       5.0       8.0        9.0
## 4429   104556        10299      10312       7.0       7.0        7.0
## 4430   104557        10299      10313       5.0       8.0        8.0
## 4431   104558        10299      10314       5.0       6.0        8.0
## 4432   104559        10299      10315       4.0      10.0       10.0
## 4433   104560        10299      10316       7.0       7.0        7.0
## 4434   104561        10299      10317       5.0       6.0        7.0
## 4435   104562        10299      10318       7.0       8.0        9.0
## 4436   104563        10299      10319       6.0       7.0        8.0
## 4437   104564        10300      10306       8.0       9.0       10.0
## 4438   104565        10300      10307       5.0       4.0        4.0
## 4439   104566        10300      10308       6.0       6.0        5.0
## 4440   104567        10300      10309       4.0       0.0        2.0
## 4441   104568        10300      10310       6.0       4.0        4.0
## 4442   104569        10300      10311       3.0       6.0        4.0
## 4443   104570        10300      10312       7.0       5.0        6.0
## 4444   104571        10300      10313       2.0       8.0        6.0
## 4445   104572        10300      10314       4.0       5.0        6.0
## 4446   104573        10300      10315       4.0       7.0        8.0
## 4447   104574        10300      10316       4.0       3.0        5.0
## 4448   104575        10300      10317       7.0       8.0        7.0
## 4449   104576        10300      10318       5.0       8.0        6.0
## 4450   104577        10300      10319       6.0       6.0        7.0
## 4451   104578        10301      10306       8.0       9.0       10.0
## 4452   104579        10301      10307      10.0      10.0       10.0
## 4453   104580        10301      10308       6.0       8.0        7.0
## 4454   104581        10301      10309       8.0       7.0        7.0
## 4455   104582        10301      10310       9.0       8.0        8.0
## 4456   104583        10301      10311       7.0       7.0        9.0
## 4457   104584        10301      10312       6.0       7.0        7.0
## 4458   104585        10301      10313       7.0       7.0        7.0
## 4459   104586        10301      10314       6.0       5.0        6.0
## 4460   104587        10301      10315       7.0       7.0        9.0
## 4461   104588        10301      10316       6.0       4.0        5.0
## 4462   104589        10301      10317       9.0       7.0        8.0
## 4463   104590        10301      10318       7.0       7.0        7.0
## 4464   104591        10301      10319       5.0       7.0        7.0
## 4465   104592        10302      10306       7.0       9.0        8.0
## 4466   104593        10302      10307       8.0      10.0        8.0
## 4467   104594        10302      10308       8.0       7.0        7.0
## 4468   104595        10302      10309       7.0       7.0        4.0
```

```
## 4469   104596          10302          10310          6.0          6.0          6.0
## 4470   104597          10302          10311          6.0          8.0          7.0
## 4471   104598          10302          10312          5.0          7.0          5.0
## 4472   104599          10302          10313          7.0          9.0          8.0
## 4473   104600          10302          10314          8.0          8.0          8.0
## 4474   104601          10302          10315          8.0          6.0          8.0
## 4475   104602          10302          10316          5.0          6.0          5.0
## 4476   104603          10302          10317          6.0          6.0          6.0
## 4477   104604          10302          10318          5.0          7.0          6.0
## 4478   104605          10302          10319          4.0          7.0          6.0
## 4479   104606          10303          10306          8.0          9.0          8.0
## 4480   104607          10303          10307         10.0         10.0         10.0
## 4481   104608          10303          10308          7.0          8.0          7.0
## 4482   104609          10303          10309          5.0          7.0          6.0
## 4483   104610          10303          10310          5.0          7.0          8.0
## 4484   104611          10303          10311          6.0          7.0          7.0
## 4485   104612          10303          10312          6.0          6.0          6.0
## 4486   104613          10303          10313          9.0          8.0          8.0
## 4487   104614          10303          10314          5.0          6.0          5.0
## 4488   104615          10303          10315          8.0          9.0          9.0
## 4489   104616          10303          10316          5.0          6.0          5.0
## 4490   104617          10303          10317          6.0          8.0          6.0
## 4491   104618          10303          10318          8.0          2.0          9.0
## 4492   104619          10303          10319          4.0          8.0          7.0
## 4493   104620          10304          10306         10.0         10.0         10.0
## 4494   104621          10304          10307         10.0         10.0          8.0
## 4495   104622          10304          10308          8.0          8.0          7.0
## 4496   104623          10304          10309          6.0          5.0          5.0
## 4497   104624          10304          10310          7.0          6.0          6.0
## 4498   104625          10304          10311          4.0          8.0          6.0
## 4499   104626          10304          10312          9.0          8.0          7.0
## 4500   104627          10304          10313          8.0          8.0          9.0
## 4501   104628          10304          10314          6.0          6.0          5.0
## 4502   104629          10304          10315          7.0         10.0          7.0
## 4503   104630          10304          10316          4.0          6.0          5.0
## 4504   104631          10304          10317          8.0          6.0          7.0
## 4505   104632          10304          10318          6.0          7.0          4.0
## 4506   104633          10304          10319          4.0          8.0          7.0
## 4507   104634          10305          10306          8.0          9.0          9.0
## 4508   104635          10305          10307         10.0         10.0         10.0
## 4509   104636          10305          10308          8.0          8.0          8.0
## 4510   104637          10305          10309          5.0          8.0          6.0
## 4511   104638          10305          10310          7.0          8.0          8.0
## 4512   104639          10305          10311          5.0          7.0          9.0
## 4513   104640          10305          10312          7.0          8.0          7.0
## 4514   104641          10305          10313         10.0          8.0         10.0
## 4515   104642          10305          10314          7.0          7.0          7.0
## 4516   104643          10305          10315          7.0          7.0          7.0
## 4517   104644          10305          10316          6.0          6.0          7.0
## 4518   104645          10305          10317          9.0          9.0          7.0
## 4519   104646          10305          10318          6.0          8.0          8.0
## 4520   104647          10305          10319          6.0          8.0          7.0
## 4521   104648          10306          10292          4.0          9.0          9.0
## 4522   104649          10306          10293          4.0         10.0          9.0
```

```
## 4523   104650        10306        10294         5.0          5.0           6.0
## 4524   104651        10306        10295         5.0         10.0           8.0
## 4525   104652        10306        10296         6.0          8.0           8.0
## 4526   104653        10306        10297         8.0          9.0          10.0
## 4527   104654        10306        10298         6.0         10.0          10.0
## 4528   104655        10306        10299         5.0          6.0           8.0
## 4529   104656        10306        10300         5.0         10.0          10.0
## 4530   104657        10306        10301         4.0          6.0           7.0
## 4531   104658        10306        10302         2.0          8.0           9.0
## 4532   104659        10306        10303         5.0          8.0           8.0
## 4533   104660        10306        10304         9.0          9.0           9.0
## 4534   104661        10306        10305         3.0          6.0           7.0
## 4535   104662        10307        10292         7.0          9.0           8.0
## 4536   104663        10307        10293         6.0          8.0            NA
## 4537   104664        10307        10294         7.0          8.0           9.0
## 4538   104665        10307        10295         7.0          8.0           8.0
## 4539   104666        10307        10296         7.0          9.0           9.0
## 4540   104667        10307        10297         7.0          8.0           8.0
## 4541   104668        10307        10298        10.0         10.0          10.0
## 4542   104669        10307        10299         6.0          7.0          10.0
## 4543   104670        10307        10300         4.0          9.0           8.0
## 4544   104671        10307        10301         7.0          8.0           8.0
## 4545   104672        10307        10302         6.0          7.0           8.0
## 4546   104673        10307        10303         7.0          9.0           9.0
## 4547   104674        10307        10304         8.0          9.0           8.0
## 4548   104675        10307        10305         4.0          7.0           6.0
## 4549   104676        10308        10292         5.0          6.0           5.0
## 4550   104677        10308        10293         6.0          9.0          10.0
## 4551   104678        10308        10294         6.0          5.0           5.0
## 4552   104679        10308        10295         7.0          8.0           9.0
## 4553   104680        10308        10296         7.0          7.0           8.0
## 4554   104681        10308        10297         8.0          8.0           8.0
## 4555   104682        10308        10298         6.0          9.0          10.0
## 4556   104683        10308        10299         3.0          7.0           7.0
## 4557   104684        10308        10300         3.0           NA            NA
## 4558   104685        10308        10301         7.0          5.0           7.0
## 4559   104686        10308        10302         8.0          7.0           9.0
## 4560   104687        10308        10303         8.0          7.0           8.0
## 4561   104688        10308        10304         7.0          6.0           6.0
## 4562   104689        10308        10305         4.0          6.0           6.0
## 4563   104690        10309        10292         6.0          6.0           6.0
## 4564   104691        10309        10293         7.0          7.0            NA
## 4565   104692        10309        10294         7.0          6.0           6.0
## 4566   104693        10309        10295         5.0          9.0           9.0
## 4567   104694        10309        10296         8.0          9.0           9.0
## 4568   104695        10309        10297        10.0          9.0           9.0
## 4569   104696        10309        10298         7.0         10.0           9.0
## 4570   104697        10309        10299         7.0          8.0           9.0
## 4571   104698        10309        10300         7.0          9.0            NA
## 4572   104699        10309        10301         8.0          7.0           8.0
## 4573   104700        10309        10302         7.0          7.0           7.0
## 4574   104701        10309        10303         9.0          8.0           8.0
## 4575   104702        10309        10304         8.0          8.0           7.0
## 4576   104703        10309        10305         7.5          8.0           8.0
```

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## 4577   104704          10310        10292           6.0         8.0              7.0
## 4578   104705          10310        10293           5.0         7.0              7.0
## 4579   104706          10310        10294           6.0         6.0              6.0
## 4580   104707          10310        10295           5.0         5.0              5.0
## 4581   104708          10310        10296           8.0         9.0              9.0
## 4582   104709          10310        10297           8.0         9.0              9.0
## 4583   104710          10310        10298           8.0        10.0              9.0
## 4584   104711          10310        10299           5.0         6.0              8.0
## 4585   104712          10310        10300          10.0        10.0             10.0
## 4586   104713          10310        10301           6.0        10.0              9.0
## 4587   104714          10310        10302           7.0         6.0              8.0
## 4588   104715          10310        10303           7.0         8.0              8.0
## 4589   104716          10310        10304           7.0         8.0              8.0
## 4590   104717          10310        10305           7.0         8.0              7.5
## 4591   104718          10311        10292           5.0         8.0              8.0
## 4592   104719          10311        10293           7.0         7.0               NA
## 4593   104720          10311        10294           8.0         8.0              9.0
## 4594   104721          10311        10295           5.0         7.0              7.0
## 4595   104722          10311        10296           8.0         8.0              8.0
## 4596   104723          10311        10297           8.0         9.0              9.0
## 4597   104724          10311        10298           9.0        10.0             10.0
## 4598   104725          10311        10299           7.0         7.0              8.0
## 4599   104726          10311        10300           6.0        10.0               NA
## 4600   104727          10311        10301           7.0         8.0              8.0
## 4601   104728          10311        10302           6.0         9.0              8.0
## 4602   104729          10311        10303           7.0         7.0              7.0
## 4603   104730          10311        10304           7.0         8.0              8.0
## 4604   104731          10311        10305           8.0         9.0              9.0
## 4605   104732          10312        10292           4.0         9.0              8.0
## 4606   104733          10312        10293           6.0         8.0              9.0
## 4607   104734          10312        10294           5.0         5.0              6.0
## 4608   104735          10312        10295           5.0         7.0              7.0
## 4609   104736          10312        10296           6.0         8.0              8.0
## 4610   104737          10312        10297           8.0         9.0              8.0
## 4611   104738          10312        10298           4.0         9.0             10.0
## 4612   104739          10312        10299           7.0         6.0              7.0
## 4613   104740          10312        10300           5.0         7.0             10.0
## 4614   104741          10312        10301           6.0         7.0              9.0
## 4615   104742          10312        10302           6.0         9.0             10.0
## 4616   104743          10312        10303           6.0         8.0              9.0
## 4617   104744          10312        10304           6.0         8.0              7.0
## 4618   104745          10312        10305           4.0         8.0              8.0
## 4619   104746          10313        10292           6.0         8.0              8.0
## 4620   104747          10313        10293           7.0         7.0              8.0
## 4621   104748          10313        10294           7.0         8.0              8.0
## 4622   104749          10313        10295           3.0         5.0              7.0
## 4623   104750          10313        10296           9.0         8.0              8.0
## 4624   104751          10313        10297           7.0         7.0             10.0
## 4625   104752          10313        10298           8.0        10.0             10.0
## 4626   104753          10313        10299           5.0         6.0              6.0
## 4627   104754          10313        10300           7.0         6.0              6.0
## 4628   104755          10313        10301           5.0         6.0              8.0
## 4629   104756          10313        10302           6.0         8.0             10.0
## 4630   104757          10313        10303           5.0         9.0              9.0
```

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## 4631   104758          10313        10304             8.0        8.0             8.0
## 4632   104759          10313        10305             6.5        8.0             8.0
## 4633   104760          10314        10292             8.0        9.0             9.0
## 4634   104761          10314        10293             5.0        7.0             8.0
## 4635   104762          10314        10294             9.0        8.0             8.0
## 4636   104763          10314        10295             7.0        7.0             7.0
## 4637   104764          10314        10296             9.0        9.0             9.0
## 4638   104765          10314        10297            10.0       10.0            10.0
## 4639   104766          10314        10298             8.0        9.0             9.0
## 4640   104767          10314        10299             6.0        6.0             7.0
## 4641   104768          10314        10300             7.0        6.0             6.0
## 4642   104769          10314        10301             6.0        7.0             8.0
## 4643   104770          10314        10302             9.0        8.0             9.0
## 4644   104771          10314        10303             7.0        5.0             7.0
## 4645   104772          10314        10304             7.0        8.0             8.0
## 4646   104773          10314        10305              NA        7.0             7.0
## 4647   104774          10315        10292             8.0        8.0             7.0
## 4648   104775          10315        10293             8.0        6.0              NA
## 4649   104776          10315        10294             8.0       10.0             8.0
## 4650   104777          10315        10295             8.0        8.0             7.0
## 4651   104778          10315        10296             9.0        7.0             8.0
## 4652   104779          10315        10297             8.0        9.0             9.0
## 4653   104780          10315        10298            10.0        9.0            10.0
## 4654   104781          10315        10299             9.0        8.0             8.0
## 4655   104782          10315        10300             7.0       10.0              NA
## 4656   104783          10315        10301             7.0        7.0             7.0
## 4657   104784          10315        10302             7.0        7.0             8.0
## 4658   104785          10315        10303             8.0        5.0             8.0
## 4659   104786          10315        10304             7.0        8.0             8.0
## 4660   104787          10315        10305             7.0        6.0             7.0
## 4661   104788          10316        10292             3.0        8.0             8.0
## 4662   104789          10316        10293             5.0        9.0             8.0
## 4663   104790          10316        10294             5.0        5.0             5.0
## 4664   104791          10316        10295             3.0        8.0             8.0
## 4665   104792          10316        10296             6.0        7.0             8.0
## 4666   104793          10316        10297             7.0        9.0            10.0
## 4667   104794          10316        10298             7.0       10.0             9.0
## 4668   104795          10316        10299             5.0       10.0            10.0
## 4669   104796          10316        10300             7.0        8.0             5.0
## 4670   104797          10316        10301             5.0        7.0             7.0
## 4671   104798          10316        10302             5.0        6.0             7.0
## 4672   104799          10316        10303             4.0        7.0             8.0
## 4673   104800          10316        10304             5.0        6.0             6.0
## 4674   104801          10316        10305             4.0        6.0             7.0
## 4675   104802          10317        10292             2.0        8.0             7.0
## 4676   104803          10317        10293             4.0        8.0              NA
## 4677   104804          10317        10294             7.0        9.0             9.0
## 4678   104805          10317        10295             3.0       10.0            10.0
## 4679   104806          10317        10296             6.0        7.0             7.0
## 4680   104807          10317        10297             7.0        8.0             8.0
## 4681   104808          10317        10298             8.0       10.0            10.0
## 4682   104809          10317        10299             5.0        6.0            10.0
## 4683   104810          10317        10300             2.0       10.0             8.0
## 4684   104811          10317        10301             3.0        6.0             5.0
```

```
## 4685   104812        10317        10302           3.0         6.0            5.0
## 4686   104813        10317        10303           4.0         6.0            7.0
## 4687   104814        10317        10304           5.0         6.0            6.0
## 4688   104815        10317        10305           3.0         8.0            6.0
## 4689   104816        10318        10292           4.0         5.0            7.0
## 4690   104817        10318        10293           5.0         9.0            8.0
## 4691   104818        10318        10294           5.0         5.0            5.0
## 4692   104819        10318        10295           3.0         7.0            7.0
## 4693   104820        10318        10296           6.0         7.0            7.0
## 4694   104821        10318        10297           7.0         9.0            9.0
## 4695   104822        10318        10298           8.0         9.0           10.0
## 4696   104823        10318        10299           5.0         6.0           10.0
## 4697   104824        10318        10300           6.0         9.0            8.0
## 4698   104825        10318        10301           5.0         8.0            9.0
## 4699   104826        10318        10302           5.0         6.0            7.0
## 4700   104827        10318        10303           7.0         7.0            7.0
## 4701   104828        10318        10304           6.0         6.0            7.0
## 4702   104829        10318        10305           5.0         6.0            6.0
## 4703   104830        10319        10292           5.0         7.0            7.0
## 4704   104831        10319        10293           7.0         7.0             NA
## 4705   104832        10319        10294           8.0         7.0            8.0
## 4706   104833        10319        10295           4.0         7.0            7.0
## 4707   104834        10319        10296           7.0         7.0            7.0
## 4708   104835        10319        10297           6.0         7.0            7.0
## 4709   104836        10319        10298           9.0         8.0           10.0
## 4710   104837        10319        10299           6.0         6.0            7.0
## 4711   104838        10319        10300           7.0         6.0             NA
## 4712   104839        10319        10301           4.0         6.0            8.0
## 4713   104840        10319        10302           5.0         5.0            6.0
## 4714   104841        10319        10303           7.0         6.0            7.0
## 4715   104842        10319        10304           6.0         6.0            8.0
## 4716   104843        10319        10305           4.0         7.0            8.0
## 4717   104844        10320        10330           7.0         7.0            7.0
## 4718   104845        10320        10331           6.0         6.0            7.0
## 4719   104846        10320        10332           6.0         7.0            6.0
## 4720   104847        10320        10333           5.0         4.0            4.0
## 4721   104848        10320        10334           6.0         8.0            8.0
## 4722   104849        10320        10335           9.0         9.0            9.0
## 4723   104850        10320        10336           6.0         6.0            6.0
## 4724   104853        10321        10330           8.0        10.0            9.0
## 4725   104854        10321        10331           8.0         8.0            7.0
## 4726   104855        10321        10332           8.0         7.0            7.0
## 4728   104857        10321        10334           6.0         5.0            4.0
## 4729   104858        10321        10335          10.0        10.0            9.0
## 4730   104859        10321        10336           6.0         6.0            7.0
## 4731   104862        10322        10330          10.0        10.0            9.0
## 4732   104863        10322        10331           7.0         8.0            7.0
## 4733   104864        10322        10332           6.0         8.0            6.0
## 4734   104865        10322        10333           6.0         7.0            7.0
## 4735   104866        10322        10334           7.0         7.0            6.0
## 4736   104867        10322        10335           6.0         6.0            7.0
## 4737   104868        10322        10336           5.0         6.0            6.0
## 4738   104871        10323        10330           5.0        10.0            9.0
## 4739   104872        10323        10331           5.0         8.0            7.0
```

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## 4740   104873        10323      10323         7.0        8.0           8.0
## 4741   104874        10323      10333         4.0        8.0           5.0
## 4742   104875        10323      10334         6.0        8.0           8.0
## 4743   104876        10323      10335        10.0        9.0           9.0
## 4744   104877        10323      10336         5.0        6.0           7.0
## 4745   104880        10324      10330         6.0       10.0           9.0
## 4746   104881        10324      10331         4.0        7.0           5.0
## 4747   104882        10324      10332         6.0        8.0           8.0
## 4748   104883        10324      10333         4.0        7.0           6.0
## 4749   104884        10324      10334         4.0        8.0           7.0
## 4750   104885        10324      10335         7.0       10.0           9.0
## 4751   104886        10324      10336         5.0        8.0           8.0
## 4752   104889        10325      10330         9.0       10.0          10.0
## 4753   104890        10325      10331         7.0        8.0           7.0
## 4754   104891        10325      10332         9.0        7.0           7.0
## 4755   104892        10325      10333         7.0        6.0           7.0
## 4756   104893        10325      10334         8.0        5.0           7.0
## 4757   104894        10325      10335        10.0       10.0          10.0
## 4758   104895        10325      10336         8.0        8.0           8.0
## 4759   104898        10326      10330        10.0       10.0           9.0
## 4760   104899        10326      10331         6.0        8.0           7.0
## 4761   104900        10326      10332         8.0        8.0           8.0
## 4762   104901        10326      10333         5.0        8.0           6.0
## 4763   104902        10326      10334         5.0        7.0           7.0
## 4764   104903        10326      10335         9.0        6.0           8.0
## 4765   104904        10326      10336         8.0        8.0           8.0
## 4766   104907        10327      10330         4.0        6.0           8.0
## 4767   104908        10327      10331         4.0        6.0           6.0
## 4768   104909        10327      10332         6.0        7.0           7.0
## 4769   104910        10327      10333         5.0        7.0           5.0
## 4770   104911        10327      10334         2.0        2.0           5.0
## 4771   104912        10327      10335         7.0        9.0           8.0
## 4772   104913        10327      10336         6.0        8.0           7.0
## 4773   104916        10328      10330         7.0        7.0           8.0
## 4774   104917        10328      10331         9.0        8.0           7.0
## 4775   104918        10328      10332         8.0        8.0           8.0
## 4776   104919        10328      10333         8.0        8.0           8.0
## 4777   104920        10328      10334         6.0        3.0           7.0
## 4778   104921        10328      10335        10.0        7.0           8.0
## 4779   104922        10328      10336         7.0        7.0           8.0
## 4780   104925        10329      10330         4.0        8.0           8.0
## 4781   104926        10329      10331         3.0        4.0           3.0
## 4782   104927        10329      10332         5.0        8.0           7.0
## 4783   104928        10329      10333         3.0        6.0           4.0
## 4784   104929        10329      10334         2.0        7.0           7.0
## 4785   104930        10329      10335         8.0        9.0           7.0
## 4786   104931        10329      10336         6.0        5.0           7.0
## 4787   104934        10330      10320         8.0         NA          10.0
## 4788   104935        10330      10321         6.0        7.0           8.0
## 4789   104936        10330      10322         1.0       10.0          10.0
## 4790   104937        10330      10323         5.0        7.0           8.0
## 4791   104938        10330      10324         7.0       10.0           8.0
## 4792   104939        10330      10325         5.0       10.0           8.0
## 4793   104940        10330      10326         6.0        8.0           8.0
```

```
## 4794   104941        10330       10327         6.0       7.0          7.0
## 4795   104942        10330       10328         3.0       9.0          8.0
## 4796   104943        10330       10329         4.0       8.0          8.0
## 4797   104944        10331       10320        10.0        NA         10.0
## 4798   104945        10331       10321         8.0       7.0          8.0
## 4799   104946        10331       10322         3.0       6.0          7.0
## 4800   104947        10331       10323         7.0       7.0          7.0
## 4801   104948        10331       10324         9.0      10.0          9.0
## 4802   104949        10331       10325         8.0       8.0          8.0
## 4803   104950        10331       10326         8.0       8.0          8.0
## 4804   104951        10331       10327         7.0       6.0          8.0
## 4805   104952        10331       10328         8.0       9.0          9.0
## 4806   104953        10331       10329        10.0       8.0          5.0
## 4807   104954        10332       10320         8.0        NA         10.0
## 4808   104955        10332       10321         8.0       7.0          8.0
## 4809   104956        10332       10322         2.0       6.0          8.0
## 4810   104957        10332       10323         7.0       6.0          7.0
## 4811   104958        10332       10324         8.0      10.0          9.0
## 4812   104959        10332       10325         8.0       8.0          8.0
## 4813   104960        10332       10326         8.0       6.0          8.0
## 4814   104961        10332       10327         8.0       6.0          8.0
## 4815   104962        10332       10328         6.0       8.0          6.0
## 4816   104963        10332       10329        10.0       8.0          7.0
## 4817   104964        10333       10320         5.0        NA         10.0
## 4818   104965        10333       10321          NA        NA           NA
## 4819   104966        10333       10322         1.0       7.0         10.0
## 4820   104967        10333       10323         8.0       7.0          8.0
## 4821   104968        10333       10324         7.0      10.0         10.0
## 4822   104969        10333       10325         8.0      10.0          8.0
## 4823   104970        10333       10326         8.0       7.0          8.0
## 4824   104971        10333       10327         6.0       7.0          8.0
## 4825   104972        10333       10328         6.0       7.0          9.0
## 4826   104973        10333       10329         7.0       7.0          7.0
## 4827   104974        10334       10320         8.0        NA         10.0
## 4828   104975        10334       10321         6.0       7.0          7.0
## 4829   104976        10334       10322         3.0       7.0          8.0
## 4830   104977        10334       10323         6.0       7.0          6.0
## 4831   104978        10334       10324         7.0      10.0          9.0
## 4832   104979        10334       10325         8.0       8.0          8.0
## 4833   104980        10334       10326         6.0       8.0          8.0
## 4834   104981        10334       10327         7.0       7.0          9.0
## 4835   104982        10334       10328         4.0       9.0          8.0
## 4836   104983        10334       10329         6.0       7.0          7.0
## 4837   104984        10335       10320         8.0        NA         10.0
## 4838   104985        10335       10321         6.0       8.0          7.0
## 4839   104986        10335       10322         1.0       7.0          9.0
## 4840   104987        10335       10323         6.0       8.0          8.0
## 4841   104988        10335       10324         8.0      10.0          9.0
## 4842   104989        10335       10325         8.0      10.0          8.0
## 4843   104990        10335       10326         7.0       9.0          8.0
## 4844   104991        10335       10327         6.0       8.0          8.0
## 4845   104992        10335       10328         4.0       8.0          8.0
## 4846   104993        10335       10329         5.0       7.0          7.0
## 4847   104994        10336       10320         5.0        NA         10.0
```

```
## 4848   104995        10336       10321         6.0       7.0           7.0
## 4849   104996        10336       10322         1.0       7.0           9.0
## 4850   104997        10336       10323         5.0       5.0           7.0
## 4851   104998        10336       10324         7.0      10.0           9.0
## 4852   104999        10336       10325         8.0       8.0           8.0
## 4853   105000        10336       10326         5.0       7.0           7.0
## 4854   105001        10336       10327         3.0       7.0           8.0
## 4855   105002        10336       10328         4.0       9.0           8.0
## 4856   105003        10336       10329         4.0       8.0           7.0
## 4857   105024        10339       10359         7.0       8.0           9.0
## 4858   105025        10339       10360         8.0       8.0           8.0
## 4859   105026        10339       10361         6.0       7.0           7.0
## 4860   105027        10339       10362         8.0       9.0           8.0
## 4861   105028        10339       10363         6.0       7.0           7.0
## 4862   105029        10339       10364         9.0       8.0           8.0
## 4863   105030        10339       10365         6.0       8.0           7.0
## 4864   105031        10339       10366         8.0       7.0           8.0
## 4866   105033        10339       10368         6.0       9.0           7.0
## 4867   105034        10339       10369         8.0       7.0           7.0
## 4869   105036        10339       10371         8.0       7.0           9.0
## 4870   105037        10339       10372         7.0       6.0           6.0
## 4871   105038        10339       10373         4.0       7.0           7.0
## 4872   105039        10339       10374         8.0       9.0           7.0
## 4873   105040        10339       10375         8.0       8.0           8.0
## 4874   105041        10339       10376         6.0       7.0           6.0
## 4875   105042        10340       10359          NA        NA            NA
## 4876   105043        10340       10360         6.0       7.0           7.0
## 4877   105044        10340       10361         6.0       8.0           8.0
## 4878   105045        10340       10362         6.0       7.0           7.0
## 4879   105046        10340       10363         5.0       5.0           6.0
## 4880   105047        10340       10364         7.0       6.0           6.0
## 4881   105048        10340       10365         7.0       6.0           6.0
## 4882   105049        10340       10366         7.0       8.0           8.0
## 4883   105050        10340       10367        10.0       8.0           7.0
## 4884   105051        10340       10368         5.0       5.0           6.0
## 4885   105052        10340       10369         6.0      10.0           9.0
## 4886   105053        10340       10370         7.0       7.0           7.0
## 4888   105055        10340       10372         5.0       5.0           6.0
## 4889   105056        10340       10373         3.0       6.0           6.0
## 4890   105057        10340       10374         6.0       9.0           8.0
## 4891   105058        10340       10375         5.0       5.0           5.0
## 4892   105059        10340       10376         4.0       6.0           6.0
## 4893   105060        10341       10359        10.0      10.0          10.0
## 4894   105061        10341       10360         7.0       7.0           7.0
## 4895   105062        10341       10361         4.0       7.0           7.0
## 4896   105063        10341       10362         3.0       9.0           8.0
## 4897   105064        10341       10363         6.0       9.0           9.0
## 4898   105065        10341       10364         6.0       7.0           6.0
## 4899   105066        10341       10365         3.0       6.0           6.0
## 4900   105067        10341       10366         5.0       7.0           8.0
## 4901   105068        10341       10367         8.0       7.0          10.0
## 4902   105069        10341       10368         3.0       6.0           7.0
## 4903   105070        10341       10369         2.0      10.0           7.0
## 4904   105071        10341       10370         5.0       9.0           9.0
```

```
## 4905  105072        10341        10371          7.0          9.0           10.0
## 4906  105073        10341        10372          5.0          5.0            6.0
## 4908  105075        10341        10374          5.0          9.0            7.0
## 4910  105077        10341        10376          5.0          7.0            8.0
## 4911  105078        10342        10359          9.0          9.0           10.0
## 4912  105079        10342        10360          8.0          8.0            8.0
## 4913  105080        10342        10361          6.0          7.0            7.0
## 4914  105081        10342        10362          8.0          7.0            8.0
## 4915  105082        10342        10363          8.0          6.0            7.0
## 4916  105083        10342        10364          8.0          9.0            9.0
## 4917  105084        10342        10365          5.0          5.0            6.0
## 4918  105085        10342        10366          7.0          8.0            8.0
## 4919  105086        10342        10367         10.0          8.0            9.0
## 4920  105087        10342        10368          6.0          6.0            8.0
## 4921  105088        10342        10369          4.0          8.0            7.0
## 4923  105090        10342        10371          7.0          9.0            9.0
## 4925  105092        10342        10373          3.0          5.0            7.0
## 4926  105093        10342        10374          7.0          9.0            7.0
## 4927  105094        10342        10375          8.0          8.0            8.0
## 4928  105095        10342        10376          7.0          8.0            6.0
## 4930  105097        10343        10360          7.0          7.0            8.0
## 4931  105098        10343        10361          5.0          8.0            7.0
## 4932  105099        10343        10362          7.0          9.0            9.0
## 4933  105100        10343        10363          3.0          8.0            6.0
## 4934  105101        10343        10364          6.0          6.0            6.0
## 4935  105102        10343        10365          7.0          7.0            7.0
## 4936  105103        10343        10366          7.0          8.0            8.0
## 4937  105104        10343        10367         10.0          8.0           10.0
## 4938  105105        10343        10368          5.0         10.0           10.0
## 4939  105106        10343        10369          4.0          8.0            7.0
## 4940  105107        10343        10370          7.0          7.0            6.0
## 4941  105108        10343        10371          7.0          8.0            9.0
## 4942  105109        10343        10372          6.0          5.0            6.0
## 4943  105110        10343        10373          3.0          7.0            6.0
## 4944  105111        10343        10374           NA           NA             NA
## 4945  105112        10343        10375          5.0          8.0            9.0
## 4946  105113        10343        10376          7.0          8.0            7.0
## 4947  105132        10345        10359          4.0          9.0            7.0
## 4948  105133        10345        10360           NA           NA             NA
## 4949  105134        10345        10361          2.0          4.0            4.0
## 4950  105135        10345        10362          3.0          8.0            6.0
## 4951  105136        10345        10363          4.0          8.0            8.0
## 4952  105137        10345        10364          2.0          6.0            7.0
## 4955  105140        10345        10367          4.0          4.0            5.0
## 4956  105141        10345        10368          2.0         10.0            6.0
## 4957  105142        10345        10369          2.0          8.0            8.0
## 4958  105143        10345        10370          2.0          6.0            7.0
## 4959  105144        10345        10371          4.0          3.0            4.0
## 4960  105145        10345        10372          5.0          4.0            5.0
## 4961  105146        10345        10373          1.0          4.0            2.0
## 4962  105147        10345        10374          4.0          9.0            8.0
## 4963  105148        10345        10375          5.0          6.0            5.0
## 4965  105150        10346        10359          7.0          7.0            8.0
## 4966  105151        10346        10360          5.0          8.0            7.0
```

```
## 4967  105152     10346     10361       6.0       8.0         9.0
## 4968  105153     10346     10362       6.0       8.0         8.0
## 4969  105154     10346     10363       2.0       7.0         9.0
## 4970  105155     10346     10364       5.0       6.0         6.0
## 4971  105156     10346     10365       5.0       8.0         7.0
## 4972  105157     10346     10366        NA        NA          NA
## 4973  105158     10346     10367       4.0       4.0         5.0
## 4974  105159     10346     10368       4.0       7.0         5.0
## 4975  105160     10346     10369       3.0       8.0         7.0
## 4976  105161     10346     10370       5.0       9.0         7.0
## 4977  105162     10346     10371       6.0       9.0        10.0
## 4978  105163     10346     10372       5.0       6.0         5.0
## 4979  105164     10346     10373       3.0       6.0         6.0
## 4980  105165     10346     10374       5.0       9.0         7.0
## 4981  105166     10346     10375       5.0       9.0         8.0
## 4982  105167     10346     10376       4.0       8.0         8.0
## 4983  105168     10347     10359      10.0      10.0        10.0
## 4984  105169     10347     10360       8.0       8.0         8.0
## 4985  105170     10347     10361       7.0       8.0         7.0
## 4986  105171     10347     10362       9.0       8.0         9.0
## 4987  105172     10347     10363       7.0       7.0         6.0
## 4988  105173     10347     10364       9.0      10.0         8.0
## 4989  105174     10347     10365       8.0       7.0         7.0
## 4990  105175     10347     10366       7.0       8.0         7.0
## 4992  105177     10347     10368       5.0       6.0         6.0
## 4993  105178     10347     10369       8.0       8.0         7.0
## 4994  105179     10347     10370       9.0       9.0         9.0
## 4995  105180     10347     10371      10.0      10.0        10.0
## 4996  105181     10347     10372       8.0       7.0         6.0
## 4997  105182     10347     10373      10.0       8.0         6.0
## 4998  105183     10347     10374      10.0       9.0         8.0
## 4999  105184     10347     10375       8.0       8.0         8.0
## 5000  105185     10347     10376       6.0       7.0         6.0
## 5001  105186     10348     10359      10.0      10.0        10.0
## 5002  105187     10348     10360       8.0       8.0         8.0
## 5003  105188     10348     10361       7.0       8.0         8.0
## 5004  105189     10348     10362       6.0       9.0         9.0
## 5005  105190     10348     10363       9.0       6.0         6.0
## 5006  105191     10348     10364       8.0       7.0         7.0
## 5007  105192     10348     10365       7.0       7.0         6.0
## 5008  105193     10348     10366       7.0       8.0         7.0
## 5009  105194     10348     10367       8.0       8.0        10.0
## 5010  105195     10348     10368       8.0       7.0         7.0
## 5011  105196     10348     10369       7.0       8.0         7.0
## 5012  105197     10348     10370       9.0       8.0         7.0
## 5013  105198     10348     10371      10.0       9.0         9.0
## 5014  105199     10348     10372       6.0       5.0         6.0
## 5015  105200     10348     10373       7.0       7.0         8.0
## 5016  105201     10348     10374       6.0       9.0         7.0
## 5017  105202     10348     10375       7.0       8.0         9.0
## 5018  105203     10348     10376       8.0       8.0         6.0
## 5020  105205     10349     10360       7.0       7.0         8.0
## 5021  105206     10349     10361       7.0       7.0         6.0
## 5022  105207     10349     10362       9.0       9.0         9.0
```

```
## 5023   105208        10349        10363           7.0           7.0              6.0
## 5024   105209        10349        10364           6.0           8.0              8.0
## 5025   105210        10349        10365           8.0           6.0              5.0
## 5026   105211        10349        10366           8.0           7.0              7.0
## 5027   105212        10349        10367           6.0           8.0              8.0
## 5028   105213        10349        10368           3.0           7.0              7.0
## 5029   105214        10349        10369            NA            NA               NA
## 5030   105215        10349        10370           7.0           9.0              7.0
## 5031   105216        10349        10371           9.0           6.0              9.0
## 5032   105217        10349        10372           7.0           6.0              5.0
## 5033   105218        10349        10373           7.0           6.0              5.0
## 5034   105219        10349        10374           5.0           9.0              6.0
## 5035   105220        10349        10375           8.0           8.0              8.0
## 5036   105221        10349        10376           8.0           7.0              7.0
## 5037   105222        10350        10359           6.0          10.0              6.0
## 5038   105223        10350        10360           6.0           8.0              7.0
## 5039   105224        10350        10361           8.0           8.0              7.0
## 5040   105225        10350        10362           7.0           9.0              9.0
## 5041   105226        10350        10363           4.0           6.0              7.0
## 5042   105227        10350        10364           6.0           8.0              7.0
## 5043   105228        10350        10365           4.0           4.0              4.0
## 5044   105229        10350        10366           7.0           9.0              8.0
## 5045   105230        10350        10367           7.0          10.0              9.0
## 5046   105231        10350        10368           3.0           8.0              7.0
## 5047   105232        10350        10369           6.0           8.0              8.0
## 5048   105233        10350        10370           6.0           9.0              8.0
## 5049   105234        10350        10371           6.0           9.0              9.0
## 5050   105235        10350        10372           7.0           6.0              5.0
## 5051   105236        10350        10373           5.0           5.0              4.0
## 5052   105237        10350        10374           5.0           9.0              8.0
## 5053   105238        10350        10375           6.0           8.0              6.0
## 5054   105239        10350        10376           7.0           9.0              7.0
## 5055   105240        10351        10359           4.0           9.0              4.0
## 5056   105241        10351        10360           6.0           8.0              8.0
## 5057   105242        10351        10361           5.0           7.0              6.0
## 5058   105243        10351        10362           5.0           8.0              7.0
## 5059   105244        10351        10363           4.0           6.0              7.0
## 5060   105245        10351        10364           4.0           7.0              6.0
## 5063   105248        10351        10367           6.0          10.0              9.0
## 5064   105249        10351        10368           5.0           9.0              5.0
## 5065   105250        10351        10369           4.0           9.0              9.0
## 5066   105251        10351        10370           5.0           9.0              8.0
## 5067   105252        10351        10371           6.0           6.0              6.0
## 5068   105253        10351        10372           5.0           5.0              6.0
## 5069   105254        10351        10373           2.0           4.0              4.0
## 5070   105255        10351        10374           5.0           9.0              8.0
## 5071   105256        10351        10375           6.0           9.0              9.0
## 5072   105257        10351        10376           7.0          10.0              6.0
## 5073   105258        10352        10359          10.0           9.0              9.0
## 5074   105259        10352        10360           6.0           8.0              8.0
## 5075   105260        10352        10361           7.0           7.0              8.0
## 5076   105261        10352        10362           8.0           7.0              7.0
## 5077   105262        10352        10363           8.0           6.0              7.0
## 5078   105263        10352        10364           8.0           7.0              7.0
```

```
## 5079   105264          10352          10365              7.0          8.0              7.0
## 5080   105265          10352          10366              7.0          8.0              8.0
## 5081   105266          10352          10367             10.0          9.0             10.0
## 5082   105267          10352          10368              6.0          8.0              6.0
## 5083   105268          10352          10369              6.0          8.0              7.0
## 5084   105269          10352          10370              7.0          7.0              6.0
## 5085   105270          10352          10371              7.0          9.0              9.0
## 5087   105272          10352          10373              2.0          3.0              6.0
## 5088   105273          10352          10374              6.0          8.0              7.0
## 5089   105274          10352          10375              6.0          7.0              6.0
## 5090   105275          10352          10376              6.0          6.0              5.0
## 5091   105276          10353          10359              7.0          8.0              6.0
## 5092   105277          10353          10360              8.0          8.0              8.0
## 5093   105278          10353          10361              6.0          8.0              8.0
## 5094   105279          10353          10362              7.0          9.0              9.0
## 5095   105280          10353          10363              9.0          7.0              6.0
## 5096   105281          10353          10364              9.0          8.0              9.0
## 5097   105282          10353          10365              7.0          7.0              6.0
## 5098   105283          10353          10366              7.0          8.0              7.0
## 5101   105286          10353          10369              8.0          6.0              5.0
## 5102   105287          10353          10370              9.0          8.0              7.0
## 5103   105288          10353          10371              8.0          9.0              9.0
## 5105   105290          10353          10373              2.0          4.0              4.0
## 5106   105291          10353          10374              7.0          8.0              7.0
## 5107   105292          10353          10375              7.0          6.0              6.0
## 5108   105293          10353          10376              7.0          8.0              5.0
## 5109   105294          10354          10359              9.0         10.0              9.0
## 5112   105297          10354          10362              9.0          7.0              9.0
## 5113   105298          10354          10363              9.9          8.0              8.0
## 5115   105300          10354          10365              9.0          7.0              8.0
## 5116   105301          10354          10366              7.0          7.0              8.0
## 5119   105304          10354          10369              7.0          7.0              6.0
## 5122   105307          10354          10372              6.0          6.0              6.0
## 5123   105308          10354          10373              6.0          8.0              8.0
## 5124   105309          10354          10374              9.0          9.0              9.0
## 5127   105312          10355          10359              7.0          8.0              9.0
## 5128   105313          10355          10360              7.0          7.0              7.0
## 5129   105314          10355          10361              6.0          7.0              7.0
## 5130   105315          10355          10362             10.0          9.0              9.0
## 5131   105316          10355          10363              6.0          8.0              8.0
## 5132   105317          10355          10364              8.0          8.0              8.0
## 5133   105318          10355          10365              6.0          7.0              8.0
## 5134   105319          10355          10366              7.0          9.0              8.0
## 5136   105321          10355          10368              9.0          7.0              7.0
## 5137   105322          10355          10369              6.0          7.0              8.0
## 5138   105323          10355          10370              8.0          8.0              8.0
## 5139   105324          10355          10371              9.0         10.0              9.0
## 5140   105325          10355          10372             10.0          8.0              7.0
## 5141   105326          10355          10373              6.0          8.0              8.0
## 5142   105327          10355          10374              9.0          9.0              8.0
## 5143   105328          10355          10375              7.0          7.0              9.0
## 5144   105329          10355          10376              8.0          8.0              7.0
## 5145   105330          10356          10359              7.0          9.0              9.0
## 5146   105331          10356          10360              8.0          8.0              8.0
```

```
## 5147   105332        10356        10361            7.0          8.0              7.0
## 5148   105333        10356        10362            7.0          7.0              9.0
## 5150   105335        10356        10364            8.0          7.0              8.0
## 5151   105336        10356        10365            7.0          7.0              8.0
## 5152   105337        10356        10366            9.0          6.0              8.0
## 5153   105338        10356        10367            8.0          8.0             10.0
## 5154   105339        10356        10368            7.0          9.0             10.0
## 5155   105340        10356        10369            6.0          6.0              7.0
## 5156   105341        10356        10370            9.0          8.0              8.0
## 5157   105342        10356        10371            9.0          9.0             10.0
## 5158   105343        10356        10372            6.0          5.0              6.0
## 5159   105344        10356        10373            5.0          7.0              8.0
## 5160   105345        10356        10374           10.0         10.0             10.0
## 5161   105346        10356        10375            7.0          8.0              9.0
## 5162   105347        10356        10376            6.0          7.0              8.0
## 5163   105348        10357        10359            9.5          9.0              9.5
## 5164   105349        10357        10360            7.0          8.0              8.0
## 5165   105350        10357        10361            7.0          6.0              8.0
## 5166   105351        10357        10362            8.0         10.0             10.0
## 5168   105353        10357        10364            7.0          7.0              8.0
## 5169   105354        10357        10365            5.0          8.0              8.0
## 5171   105356        10357        10367           10.0          9.0             10.0
## 5172   105357        10357        10368            6.0          3.0              5.0
## 5173   105358        10357        10369            5.0          8.0              7.0
## 5174   105359        10357        10370            2.0          2.0              6.0
## 5175   105360        10357        10371            6.0          5.0              8.0
## 5176   105361        10357        10372            5.0          7.0              5.0
## 5177   105362        10357        10373            2.0          4.0              3.0
## 5178   105363        10357        10374            9.0          9.0              9.0
## 5179   105364        10357        10375            5.0          7.0              7.0
## 5180   105365        10357        10376            6.0          7.0              8.0
## 5181   105366        10358        10359            9.0         10.0              9.0
## 5182   105367        10358        10360            6.0          8.0              8.0
## 5183   105368        10358        10361            4.0          6.0              6.0
## 5184   105369        10358        10362            9.0          8.0              8.0
## 5185   105370        10358        10363            2.0          7.0              7.0
## 5186   105371        10358        10364            6.0          7.0              8.0
## 5187   105372        10358        10365            4.0          9.0              7.0
## 5188   105373        10358        10366            7.0          9.0              9.0
## 5189   105374        10358        10367            7.0         10.0             10.0
## 5191   105376        10358        10369            7.0          7.0              8.0
## 5192   105377        10358        10370            8.0          5.0               NA
## 5194   105379        10358        10372            6.0          6.0              5.0
## 5195   105380        10358        10373            4.0          9.0              9.0
## 5196   105381        10358        10374            5.0          9.0              7.0
## 5197   105382        10358        10375            8.0          8.0              8.0
## 5198   105383        10358        10376            5.0          8.0              5.0
## 5199   105384        10359        10339            4.0          3.0              6.0
## 5201   105386        10359        10341            3.0          5.0              5.0
## 5202   105387        10359        10342            6.0          9.0              9.0
## 5204   105390        10359        10345            4.0          1.0              5.0
## 5205   105391        10359        10346            8.0         10.0             10.0
## 5206   105392        10359        10347            2.0          8.0              5.0
## 5207   105393        10359        10348            4.0          9.0              9.0
```

```
## 5208   105394      10359      10349        NA       NA        NA
## 5209   105395      10359      10350       6.0      6.0       7.0
## 5210   105396      10359      10351       4.0      4.0       5.0
## 5211   105397      10359      10352       1.0     10.0       4.0
## 5212   105398      10359      10353       4.0      8.0       7.0
## 5213   105399      10359      10354       4.0      8.0       7.0
## 5214   105400      10359      10355       2.0      6.0       6.0
## 5215   105401      10359      10356       6.0      7.0       8.0
## 5216   105402      10359      10357       5.0      8.0       8.0
## 5217   105403      10359      10358       4.0      4.0       5.0
## 5218   105404      10360      10339       6.0      4.0       6.0
## 5219   105405      10360      10340       5.0      4.0       4.0
## 5220   105406      10360      10341       5.0      5.0       7.0
## 5221   105407      10360      10342       6.0      6.0       8.0
## 5222   105408      10360      10343       6.0     10.0      10.0
## 5224   105411      10360      10346       7.0      6.0       7.0
## 5225   105412      10360      10347       4.0      7.0       9.0
## 5226   105413      10360      10348       5.0      8.0       8.0
## 5227   105414      10360      10349       7.0      7.0       7.0
## 5228   105415      10360      10350       6.0      8.0       8.0
## 5229   105416      10360      10351       5.0      6.0       8.0
## 5230   105417      10360      10352       4.0     10.0      10.0
## 5231   105418      10360      10353       5.0      8.0       9.0
## 5233   105420      10360      10355       3.0      7.0       7.0
## 5234   105421      10360      10356       6.0      8.0       7.0
## 5235   105422      10360      10357       6.0      6.0       8.0
## 5236   105423      10360      10358       5.0      6.0       6.0
## 5237   105424      10361      10339       4.0     10.0       8.0
## 5238   105425      10361      10340       4.0      5.0       6.0
## 5239   105426      10361      10341       7.0      7.0       7.0
## 5240   105427      10361      10342       5.0      5.0       5.0
## 5241   105428      10361      10343       4.0     10.0      10.0
## 5242   105430      10361      10345       6.0     10.0       9.0
## 5243   105431      10361      10346       9.0      9.0      10.0
## 5244   105432      10361      10347       4.0      8.0       6.0
## 5245   105433      10361      10348       4.0      8.0       8.0
## 5246   105434      10361      10349       7.0      7.0       7.0
## 5247   105435      10361      10350       6.0      8.0       8.0
## 5248   105436      10361      10351       6.0      8.0       8.0
## 5249   105437      10361      10352       1.0     10.0       4.0
## 5250   105438      10361      10353       5.0      6.0       7.0
## 5252   105440      10361      10355       4.0      8.0       7.0
## 5253   105441      10361      10356       6.0      7.0       7.0
## 5254   105442      10361      10357       6.0      5.0       5.0
## 5255   105443      10361      10358       4.0      4.0       5.0
## 5256   105444      10362      10339       6.0     10.0       8.0
## 5257   105445      10362      10340       5.0      6.0       7.0
## 5258   105446      10362      10341       5.0      8.0       7.0
## 5259   105447      10362      10342       9.0      9.0       9.0
## 5260   105448      10362      10343       6.0      8.0       8.0
## 5261   105450      10362      10345       7.0     10.0       9.0
## 5262   105451      10362      10346       9.0      8.0       9.0
## 5263   105452      10362      10347       5.0      6.0       8.0
## 5264   105453      10362      10348       5.0      8.0       6.0
```

```
## 5265   105454        10362       10349         8.0         8.0         8.0
## 5266   105455        10362       10350         8.0         9.0         8.0
## 5267   105456        10362       10351         6.0         7.0         8.0
## 5268   105457        10362       10352         7.0        10.0         8.0
## 5269   105458        10362       10353         5.0        10.0         9.0
## 5270   105459        10362       10354         7.0         6.0         7.0
## 5271   105460        10362       10355         6.0         8.0         6.0
## 5272   105461        10362       10356         6.0         7.0         7.0
## 5273   105462        10362       10357         6.0         4.0          NA
## 5274   105463        10362       10358         6.0         8.0         7.0
## 5275   105464        10363       10339         7.0         7.0         8.0
## 5276   105465        10363       10340         5.0         6.0         5.0
## 5277   105466        10363       10341         6.0         6.0         8.0
## 5278   105467        10363       10342         6.0         6.0         6.0
## 5279   105468        10363       10343        10.0         9.0         9.0
## 5280   105470        10363       10345         9.0          NA          NA
## 5281   105471        10363       10346         7.0        10.0        10.0
## 5282   105472        10363       10347         6.0         5.0         8.0
## 5283   105473        10363       10348         7.0         8.0         7.0
## 5284   105474        10363       10349         6.0         6.0         6.0
## 5285   105475        10363       10350         8.0         6.0         7.0
## 5286   105476        10363       10351         6.0         6.0         7.0
## 5287   105477        10363       10352         9.0        10.0         8.0
## 5288   105478        10363       10353         8.0         9.0         9.0
## 5289   105479        10363       10354         5.0         7.0         7.0
## 5290   105480        10363       10355         6.0         7.0         8.0
## 5293   105483        10363       10358         7.0         8.0         7.0
## 5294   105484        10364       10339         8.0         8.0        10.0
## 5295   105485        10364       10340         6.0         5.0         6.0
## 5296   105486        10364       10341         9.0         8.0         8.0
## 5297   105487        10364       10342         8.0         8.0         8.0
## 5298   105488        10364       10343         9.0        10.0        10.0
## 5299   105490        10364       10345         7.0         9.0         9.0
## 5300   105491        10364       10346         9.0        10.0        10.0
## 5301   105492        10364       10347         6.0         8.0         8.0
## 5302   105493        10364       10348         6.0         9.0         9.0
## 5303   105494        10364       10349         8.0         8.0         8.0
## 5304   105495        10364       10350         9.0         8.0         8.0
## 5305   105496        10364       10351         5.0         8.0         7.0
## 5306   105497        10364       10352         9.0        10.0        10.0
## 5307   105498        10364       10353         9.0         8.0         7.0
## 5309   105500        10364       10355         6.0         8.0        10.0
## 5310   105501        10364       10356         8.0         8.0         8.0
## 5311   105502        10364       10357         8.0         9.0         9.0
## 5312   105503        10364       10358         6.0         7.0         6.0
## 5313   105504        10365       10339         6.0        10.0        10.0
## 5314   105505        10365       10340         8.0         9.0         8.0
## 5315   105506        10365       10341         8.0         8.0         8.0
## 5316   105507        10365       10342         7.0         8.0         7.0
## 5317   105508        10365       10343         7.0        10.0         9.0
## 5319   105511        10365       10346         7.0         7.0         8.0
## 5320   105512        10365       10347         4.0         8.0         7.0
## 5321   105513        10365       10348         6.0         9.0         9.0
## 5322   105514        10365       10349         7.0         7.0         7.0
```

```
## 5323  105515         10365        10350             7.0       8.0             7.0
##      funny_o ambitious_o shared_interests_o attractive_partner sincere_partner
## 1       8.0         8.0                6.0                6.0             9.0
## 2       7.0         7.0                5.0                7.0             8.0
## 3      10.0        10.0               10.0                5.0             8.0
## 4       8.0         9.0                8.0                7.0             6.0
## 5       6.0         9.0                7.0                5.0             6.0
## 6       8.0         7.0                7.0                4.0             9.0
## 7       5.0         8.0                7.0                7.0             6.0
## 8       6.0         8.0                6.0                4.0             9.0
## 9       8.0         8.0                9.0                7.0             6.0
## 10      6.0         6.0                6.0                5.0             6.0
## 11      9.0         7.0                4.0                5.0             7.0
## 12      6.0         6.0                5.0                8.0             5.0
## 13     10.0        10.0               10.0                5.0             8.0
## 14      9.0         9.0                9.0                7.0             9.0
## 15     10.0         7.0                8.0                6.0             8.0
## 16      5.0         7.0                7.0                8.0             7.0
## 17      3.0         5.0                3.0                7.0             5.0
## 18      7.0         7.0                5.0                5.0             8.0
## 19      9.0         8.0                7.0                7.0             6.0
## 20      7.0         9.0                7.0                6.0             7.0
## 21      5.0         8.0                4.0                7.0             9.0
## 22      6.0         6.0                5.0                9.0             7.0
## 23     10.0        10.0               10.0                7.0             9.0
## 24      8.0         8.0                8.0                9.0             7.0
## 25      6.0          NA                 NA                9.0            10.0
## 26      6.0         6.0                6.0                8.0            10.0
## 27      4.0         5.0                4.0                8.0             9.0
## 28      4.0         6.0                4.0                7.0             9.0
## 29      8.0         7.0                7.0                9.0             9.0
## 30      5.0         8.0                6.0                8.0             7.0
## 31      7.0         7.0                5.0                4.0            10.0
## 32      6.0         6.0                5.0                8.0             7.0
## 33     10.0        10.0               10.0                4.0             7.0
## 34      9.0         9.0                9.0                8.0            10.0
## 35      8.0         8.0                9.0                6.0             9.0
## 36      7.0         8.0                7.0                5.0            10.0
## 37      5.0         6.0                5.0                7.0            10.0
## 38      6.0         6.0                5.0                5.0             9.0
## 39     10.0         9.0               10.0                9.0             8.0
## 40      7.0         8.0                7.0                8.0             9.0
## 41      8.0         7.0                6.0                5.0             8.0
## 42      7.0         6.0                5.0                8.0             6.0
## 43     10.0        10.0               10.0                4.0             6.0
## 44      8.0        10.0               10.0                8.0             5.0
## 45      7.0         9.0                5.0                6.0             7.0
## 46      7.0         7.0                7.0                5.0             6.0
## 47      4.0         5.0                3.0                6.0             6.0
## 48      5.0         5.0                5.0                5.0             5.0
## 49      9.0         9.0                6.0                7.0             5.0
## 50      7.0        10.0                5.0                9.0             6.0
## 51      9.0         8.0                4.0                6.0             9.0
## 52      6.0         7.0                6.0                6.0             9.0
```

```
## 53     10.0     10.0     10.0      4.0      7.0
## 54      7.0      9.0      8.0      8.0      6.0
## 55      7.0      9.0      6.0      5.0      4.0
## 56      8.0      8.0      7.0      3.0      7.0
## 57      4.0      5.0      4.0      8.0      8.0
## 58      7.0      8.0      5.0      4.0      8.0
## 59      6.0      6.0      6.0      7.0      6.0
## 60      6.0     10.0      7.0      8.0      9.0
## 61      8.0      7.0      7.0      4.0      8.0
## 62      6.0      6.0      5.0      6.0      6.0
## 63     10.0     10.0     10.0      3.0      6.0
## 64      8.0      9.0      9.0      7.0      8.0
## 65      6.0      9.0      5.0      4.0      7.0
## 66      6.0      6.0      6.0      4.0      8.0
## 67      4.0      4.0      3.0      7.0      7.0
## 68      7.0      7.0      5.0      5.0      7.0
## 69      9.0      9.0     10.0      6.0      6.0
## 70      6.0      8.0      7.0      8.0      6.0
## 71      6.0      6.0      5.0      5.0      8.0
## 72      7.0      6.0      5.0      8.0      7.0
## 73     10.0     10.0     10.0      5.0      8.0
## 74      8.0      8.0      7.0      8.0      6.0
## 75      9.0       NA      7.0      6.0      8.0
## 76      7.0      8.0      7.0      6.0      8.0
## 77      5.0      6.0      4.0      6.0      7.0
## 78      8.0      7.0      5.0      5.0      6.0
## 79     10.0      8.0     10.0      8.0      8.0
## 80      9.0      8.0      8.0      7.0      6.0
## 81      8.0      7.0      5.0      8.0     10.0
## 82      7.0      6.0      5.0     10.0     10.0
## 83     10.0     10.0     10.0      5.0     10.0
## 84      8.0      8.0      7.0     10.0      9.0
## 85      9.0      7.0      7.0      5.0     10.0
## 86      8.0      7.0      7.0      8.0      9.0
## 87      8.0      6.0      5.0      6.0      8.0
## 88      7.0      6.0      5.0      6.0      7.0
## 89      7.0      6.0      6.0      8.0      5.0
## 90      6.0      6.0      6.0      7.0      8.0
## 91      8.0      6.0      5.0      6.0     10.0
## 92      1.0      1.0      1.0      1.0      1.0
## 93     10.0     10.0     10.0      6.0     10.0
## 94      9.0      8.0      8.0     10.0     10.0
## 95      7.0      8.0       NA      5.0      7.0
## 96      7.0      7.0      7.0      5.0     10.0
## 97      3.0      4.0      4.0      5.0     10.0
## 98      6.0      6.0      5.0      5.0      6.0
## 99      7.0      6.0      6.0      9.0      9.0
## 100     6.0      6.0      6.0      9.0      9.0
## 101     7.0      6.0      5.0      6.0      8.0
## 102     4.0      6.0      3.0      8.0      7.0
## 103     7.0      8.0      9.0      7.0      8.0
## 104     5.0      8.0      7.0      6.0      7.0
## 105     2.0      2.0      2.0      6.0      8.0
## 106     6.0      7.0      6.0      7.0      9.0
```

```
## 107     5.0        7.0            4.0             7.0          8.0
## 108     4.0        7.0            5.0             8.0          7.0
## 109     8.0        7.0            6.0             6.0          8.0
## 110     6.0        6.0             NA             7.0          8.0
## 111     8.0        5.0            6.0             7.0          8.0
## 112     6.0        9.0            6.0             7.0          6.0
## 113     8.0        9.0            7.0             6.0          7.0
## 114    10.0        7.0            8.0             6.0          5.0
## 115     5.0        5.0            5.0             6.0          7.0
## 116     6.0        8.0            2.0             6.0          8.0
## 117     4.0        9.0            4.0             7.0          9.0
## 118     9.0        6.0            7.0             8.0          8.0
## 119    10.0       10.0           10.0             8.0          8.0
## 120     1.0        1.0             NA             1.0          1.0
## 121     8.0        5.0            7.0            10.0         10.0
## 122     6.0        3.0            4.0            10.0         10.0
## 123     7.0        9.0            7.0            10.0         10.0
## 124     8.0        6.0            7.0            10.0         10.0
## 125     8.0        6.0            5.0            10.0         10.0
## 126     4.0        3.0            2.0            10.0         10.0
## 127     7.0        8.0            8.0            10.0         10.0
## 128     6.0        7.0            7.0            10.0         10.0
## 129     6.0        6.0            6.0            10.0         10.0
## 130    10.0        6.0             NA            10.0         10.0
## 131     7.0        6.0            8.0             7.0          8.0
## 132     6.0        5.0            7.0             9.0          9.0
## 133     7.0        9.0            7.0             7.0          9.0
## 134    10.0        7.0           10.0             7.0          7.0
## 135     7.0        7.0            9.0             6.0          8.0
## 136     8.0        2.0            8.0             6.0          8.0
## 137     7.0        7.0            6.0             8.0          8.0
## 138     6.0        6.0            5.0             8.0          8.0
## 139     8.0        7.0            7.0             7.0          8.0
## 140    10.0       10.0             NA             7.0          8.0
## 141     7.0        6.0            6.0             8.0          7.0
## 142     9.0        7.0            8.0            10.0         10.0
## 143    10.0       10.0           10.0             6.0         10.0
## 144     9.0        8.0            9.0             8.0          8.0
## 145     5.0        4.0            8.0             5.0          9.0
## 146     8.0        4.0            2.0             9.0          7.0
## 147     4.0        8.0            5.0             8.0          7.0
## 148     5.0        6.0            7.0             9.0          9.0
## 149     8.0        5.0            5.0             7.0          9.0
## 150     7.0        7.0             NA             6.0          9.0
## 151     4.0        6.0            4.0             7.0          7.0
## 152     3.0        6.0            2.0             7.0          8.0
## 153     7.0        9.0            9.0             7.0          6.0
## 154     4.0        8.0            2.0             6.0          6.0
## 155     5.0        7.0            8.0             5.0          8.0
## 156     1.0        1.0            1.0             6.0          6.0
## 157     4.0        5.0            4.0             8.0          8.0
## 158     5.0        6.0            7.0             8.0          7.0
## 159     7.0        6.0            5.0             6.0          6.0
## 160     4.0        6.0             NA              NA          8.0
```

```
## 161      4.0       6.0          7.0          3.0          6.0
## 162      6.0       7.0          9.0          5.0          3.0
## 163      7.0       7.0          9.0          6.0          3.0
## 164      7.0      10.0          5.0          7.0          6.0
## 165      5.0       5.0          6.0          2.0          3.0
## 166      8.0       3.0          4.0          5.0          6.0
## 167      7.0       7.0          7.0          7.0          6.0
## 168      5.0       7.0          7.0          6.0          4.0
## 169      6.0       6.0          6.0          8.0          6.0
## 170      6.0       9.0           NA          7.0          7.0
## 171      6.0       5.0          6.0          6.0          7.0
## 172      5.0       9.0          5.0          7.0          7.0
## 173      8.0       9.0          7.0          4.0          5.0
## 174      5.0       9.0          7.0          6.0          7.0
## 175      6.0       7.0          5.0          5.0          5.0
## 176      2.0       8.0          3.0          6.0          7.0
## 177      5.0       9.0          5.0          8.0          7.0
## 178      4.0       5.0          6.0          9.0          8.0
## 179      7.0       9.0          6.0          7.0          7.0
## 180      4.0       5.0           NA          6.0          6.0
## 181      9.0       8.0          8.0          7.0          7.0
## 182      9.0       4.0          5.0          8.0          6.0
## 183      9.0       9.0          9.0          7.0          7.0
## 184     10.0       7.0          8.0          7.0          7.0
## 185      8.0       7.0          9.0          5.0          9.0
## 186      8.0       6.0          9.0          6.0          7.0
## 187      8.0       8.0          6.0          9.0          7.0
## 188      9.0       8.0          9.0          8.0          7.0
## 189      6.0       5.0          5.0          6.0          6.0
## 190      9.0       9.0          9.0          7.0          7.0
## 191      8.0      10.0          8.0          6.0          6.0
## 192      7.0       9.0          8.0          6.0          5.0
## 193      7.0       9.0          7.0          5.0          6.0
## 194     10.0       8.0          8.0          7.0          8.0
## 195      9.0       6.0          5.0          3.0         10.0
## 196      9.0      10.0          7.0          7.0         10.0
## 197      7.0       8.0          6.0          7.0          6.0
## 198      7.0       9.0          8.0          8.0         10.0
## 199      8.0       7.0          8.0          5.0          6.0
## 200     10.0       8.0          8.0          6.0          6.0
## 201      6.0       4.0          7.0          6.0          8.0
## 202      5.0       5.0           NA          5.0          8.0
## 203      5.0       9.0          2.0          8.0          9.0
## 204      4.0       6.0          2.0          5.0          8.0
## 205      6.0       7.0          7.0          7.0          7.0
## 206      7.0       9.0          6.0          6.0          8.0
## 207      8.0       9.0          8.0          6.0          8.0
## 208      5.0       5.0          7.0          4.0          7.0
## 209      5.0       8.0          3.0          7.0          7.0
## 210      4.0       6.0          4.0          9.0          9.0
## 211       NA        NA           NA          5.0          7.0
## 212      3.0       2.0          2.0          7.0          4.0
## 213      6.0       7.0          6.0          5.0          8.0
## 214      7.0       7.0          6.0          6.0          8.0
```

```
## 215     7.0     7.0         5.0         6.0         8.0
## 216     7.0     9.0         5.0         5.0         9.0
## 217     8.0     6.0         4.0         5.0         7.0
## 218     5.0     5.0         NA          4.0         7.0
## 219     5.0     5.0         1.0         5.0         6.0
## 220     3.0     5.0         1.0         5.0         7.0
## 221     6.0     8.0         5.0         6.0         8.0
## 222     5.0     6.0         5.0         6.0         7.0
## 223     5.0     6.0         5.0         8.0         7.0
## 224     5.0     6.0         3.0         5.0         7.0
## 225     5.0     NA          3.0         7.0         7.0
## 226     7.0     7.0         NA          6.0         7.0
## 227     6.0     NA          NA          5.0         6.0
## 228     2.0     2.0         1.0         3.0         4.0
## 229     6.0     5.0         5.0         3.0         6.0
## 230     7.0     8.0         6.0         7.0         7.0
## 231     6.0     6.0         5.0         4.0         5.0
## 232     7.0    10.0         8.0         6.0         7.0
## 233     7.0     4.0         3.0         5.0         7.0
## 234     8.0     8.0         NA          5.0         7.0
## 235     8.0     9.0         NA          6.0         6.0
## 236     4.0     3.0         2.0         5.0         7.0
## 237    10.0     7.0         8.0         7.0         7.0
## 238     6.0     6.0         6.0         6.0         7.0
## 239     8.0     8.0         9.0         7.0         6.0
## 240     4.0     7.0         4.0         5.0         6.0
## 241     4.0     3.0         3.0         6.0         6.0
## 242     6.0     7.0         3.0         7.0         7.0
## 243     6.0     NA          NA          6.0         6.0
## 244     1.0     1.0         1.0         7.0         6.0
## 245     6.0     6.0         5.0         6.0         6.0
## 247     7.0     9.0         7.0         6.0         7.0
## 248     8.0    10.0         7.0         6.0         8.0
## 249     9.0     8.0         5.0         5.0         6.0
## 250     5.0     5.0         NA          7.0         8.0
## 251     9.0     8.0         2.0         6.0         8.0
## 252     4.0     7.0         2.0         7.0         8.0
## 253     7.0     8.0         8.0         5.0         8.0
## 254     6.0     5.0         5.0         7.0         7.0
## 255     8.0     7.0         9.0         9.0         8.0
## 256     5.0     6.0         4.0         5.0         7.0
## 257     5.0     NA          3.0         7.0         7.0
## 258     5.0     6.0         7.0         6.0         NA
## 259     9.0     NA          NA          6.0         8.0
## 260     6.0     6.0         6.0         6.0         6.0
## 261     5.0     6.0         2.0         4.0         NA
## 262     8.0     7.0         7.0         8.0         NA
## 263     7.0     7.0         8.0         6.0         8.0
## 264     8.0     8.0         6.0         8.0         7.0
## 265     9.0     8.0         4.0         7.0         8.0
## 266     5.0     5.0         NA          5.0         8.0
## 267     7.0     5.0         NA          6.0         7.0
## 268     6.0     5.0         1.0         4.0         5.0
## 269     7.0     5.0         4.0         6.0         7.0
```

```
## 270     7.0         6.0              6.0              6.0         8.0
## 271     8.0         7.0              8.0              7.0         8.0
## 272     5.0         5.0              2.0              3.0         8.0
## 273     8.0          NA              5.0              7.0         8.0
## 274     8.0         6.0              5.0              8.0         8.0
## 275      NA          NA               NA              9.0         8.0
## 276     6.0         2.0              2.0              6.0         5.0
## 277     7.0         6.0              6.0              5.0         4.0
## 278     8.0         8.0              7.0              7.0         8.0
## 279     9.0         7.0              5.0              5.0         8.0
## 280    10.0         9.0              8.0              7.0         7.0
## 281     8.0         7.0              4.0              2.0         5.0
## 282     5.0         5.0               NA              2.0         5.0
## 283     9.0         8.0               NA              2.0         5.0
## 284     5.0         5.0              2.0              2.0         6.0
## 285     8.0         7.0              7.0              3.0         8.0
## 286     7.0         6.0              7.0              4.0         7.0
## 287    10.0         7.0              8.0              7.0         4.0
## 288     6.0         6.0              6.0              3.0         7.0
## 289     9.0          NA              8.0              6.0         5.0
## 290     7.0         7.0              8.0              5.0         8.0
## 291      NA          NA               NA              7.0         6.0
## 292     5.0         3.0              2.0              6.0         7.0
## 293     7.0         6.0              6.0              2.0         7.0
## 294     9.0         8.0              8.0              6.0         8.0
## 295     8.0         7.0              6.0              2.0         8.0
## 296     9.0         9.0              8.0              6.0         6.0
## 297     8.0         7.0              5.0              2.0         6.0
## 298     8.0         8.0               NA              1.0         6.0
## 299     9.0         8.0               NA              1.0         4.0
## 300     7.0         3.0              5.0              1.0         6.0
## 301     7.0         6.0              5.0              1.0         3.0
## 302     8.0         6.0              7.0              3.0         6.0
## 303     8.0         7.0              9.0              8.0         7.0
## 304     6.0         4.0              5.0              1.0         4.0
## 305     6.0          NA              7.0              4.0         6.0
## 306     7.0         7.0              0.0              4.0         5.0
## 307     7.0          NA              6.0              6.0         5.0
## 308     7.0         5.0              3.0              1.0         2.0
## 309     6.0         6.0              7.0              1.0         3.0
## 310     8.0         8.0              7.0              6.0         4.0
## 311     9.0         8.0              7.0              2.0         4.0
## 312    10.0         9.0              8.0              5.0         6.0
## 313     4.0         3.0              3.0              4.0         9.0
## 314     8.0         8.0               NA              4.0         8.0
## 315     5.0         8.0               NA              6.0         8.0
## 316     4.0         6.0              5.0              5.0         7.0
## 317     6.0         7.0              5.0              8.0         6.0
## 318     7.0         6.0              6.0              6.0         8.0
## 319     8.0         7.0              7.0              8.0         6.0
## 320     6.0         7.0              2.0              5.0         6.0
## 321     5.0         9.0              3.0              8.0         7.0
## 322     7.0         6.0              5.0              7.0         5.0
## 323      NA          NA               NA              7.0         7.0
```

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```
## 324     3.0      3.0          3.0          6.0      7.0
## 325     7.0      5.0          5.0          6.0      8.0
## 326     7.0      7.0          6.0          9.0      8.0
## 327     7.0      7.0          5.0          6.0      7.0
## 328     8.0      9.0          6.0          6.0      8.0
## 329     7.0      8.0          4.0          3.0      6.0
## 330    10.0     10.0           NA          8.0      9.0
## 331     6.0      6.0           NA          6.0      7.0
## 332     3.0      7.0          1.0          4.0      6.0
## 333     7.0      6.0          7.0          6.0      9.0
## 334     6.0      6.0          5.0          4.0      5.0
## 335     9.0      8.0          6.0          8.0      7.0
## 336     3.0      6.0          3.0          5.0      5.0
## 337     4.0       NA          3.0          7.0      7.0
## 338     7.0      7.0           NA          8.0      7.0
## 339      NA       NA           NA          7.0      7.0
## 340     2.0      6.0          4.0          5.0      5.0
## 341     6.0      6.0          4.0          3.0      7.0
## 342     7.0      8.0          6.0          7.0      7.0
## 343     7.0      8.0          6.0          3.0      5.0
## 344    10.0     10.0         10.0          7.0      7.0
## 345     4.0      8.0          3.0          4.0      6.0
## 346     8.0      8.0           NA          3.0      6.0
## 347     2.0      9.0           NA          4.0      5.0
## 348     6.0      5.0          3.0          4.0      5.0
## 349     6.0      7.0          7.0          4.0      6.0
## 350     7.0      8.0          6.0          4.0      5.0
## 351     6.0      7.0          8.0          9.0      6.0
## 352     5.0      7.0          5.0          2.0      3.0
## 353     8.0       NA           NA          8.0      9.0
## 354     8.0      9.0           NA          7.0      8.0
## 355     8.0      8.0           NA          9.0      7.0
## 356     4.0      5.0          5.0          4.0      6.0
## 357     6.0      7.0          5.0          3.0      8.0
## 358     8.0      9.0          7.0          7.0      7.0
## 359     8.0      7.0          7.0          4.0      5.0
## 360    10.0     10.0          8.0          9.0      8.0
## 361     7.0      8.0          4.0          4.0      8.0
## 362    10.0     10.0           NA          7.0      8.0
## 363     8.0     10.0          4.0          5.0      6.0
## 364     4.0      4.0          3.0          5.0      7.0
## 365     7.0      7.0          8.0          5.0      7.0
## 366     8.0      8.0          7.0          8.0      8.0
## 367     7.0     10.0          7.0          8.0      9.0
## 368     6.0      5.0          5.0          7.0      9.0
## 369     5.0      8.0          3.0          7.0      8.0
## 370     7.0      7.0          6.0          6.0      8.0
## 371      NA       NA           NA          7.0      8.0
## 372     9.0      5.0          4.0          5.0      6.0
## 373     7.0      6.0          5.0          4.0      7.0
## 374     8.0      9.0          7.0          7.0      6.0
## 375     7.0      8.0          6.0          7.0      6.0
## 376     8.0      7.0          7.0          8.0      8.0
## 377     8.0      5.0          3.0          6.0      8.0
```

```
## 378    10.0    10.0          NA          2.0          6.0
## 379     8.0    10.0          6.0          6.0          8.0
## 380     3.0     6.0          4.0          5.0          7.0
## 381     6.0     6.0          8.0          5.0          6.0
## 382     5.0     7.0          5.0          6.0          6.0
## 383     8.0     8.0          8.0          8.0          7.0
## 384     6.0     6.0          3.0          4.0          5.0
## 385     5.0      NA          3.0          8.0          7.0
## 386     8.0     8.0          7.0          6.0          7.0
## 387     8.0     8.0          5.0          7.0          9.0
## 388     6.0     5.0          4.0          7.0          5.0
## 389     6.0     6.0          6.0          9.0          9.0
## 390     7.0     9.0          7.0          8.0          7.0
## 391     7.0     7.0          7.0          5.0          6.0
## 392     8.0     8.0          7.0          7.0          7.0
## 393     8.0     6.0          4.0          4.0          4.0
## 394    10.0    10.0          NA          3.0          4.0
## 395     6.0     6.0          3.0          5.0          4.0
## 396     6.0     7.0          2.0          4.0          4.0
## 397     7.0     6.0          6.0          4.0          6.0
## 398     7.0     7.0          7.0          4.0          5.0
## 399     9.0     8.0          7.0          9.0          8.0
## 400     7.0     7.0          6.0          3.0          3.0
## 401     5.0     5.0          3.0          5.0          4.0
## 402     6.0     7.0          6.0          7.0          8.0
## 403      NA     9.0          NA          4.0          4.0
## 404     2.0     8.0          1.0          3.0          3.0
## 405     5.0     5.0          5.0          4.0          4.0
## 406     8.0     8.0          7.0          5.0          4.0
## 407     8.0     7.0          7.0          4.0          6.0
## 408     9.0    10.0          9.0          4.0          4.0
## 409     5.0     7.0          3.0          6.0          8.0
## 410     5.0     5.0          NA          5.0          9.0
## 411     7.0    10.0          4.0          6.0          8.0
## 412     3.0     7.0          5.0          6.0          8.0
## 413      NA     8.0          6.0          5.0          8.0
## 414     6.0     7.0          7.0          7.0          8.0
## 415     6.0     9.0          8.0          8.0          8.0
## 416     5.0     6.0          4.0          5.0          6.0
## 417     5.0     5.0          4.0          8.0          8.0
## 418     5.0     6.0          5.0          7.0          9.0
## 419      NA      NA          NA          6.0          8.0
## 420     1.0     7.0          1.0          8.0          8.0
## 421     6.0     6.0          5.0          6.0          7.0
## 422     8.0     8.0          6.0          8.0          8.0
## 423     7.0     8.0          7.0          6.0          8.0
## 424     9.0     9.0          8.0          6.0          8.0
## 425     7.0     8.0          4.0          2.0          5.0
## 426     5.0     5.0          NA          1.0          2.0
## 427     5.0     6.0          NA          2.0          2.0
## 428     4.0     5.0          4.0          1.0          1.0
## 429     5.0     6.0          7.0          1.0          1.0
## 430     7.0     7.0          7.0          2.0          2.0
## 431     6.0     9.0          7.0          2.0          5.0
```

```
## 432     5.0        8.0          4.0          1.0          3.0
## 433     7.0        9.0          4.0          3.0          1.0
## 434     7.0       10.0          5.0          4.0          5.0
## 435      NA         NA           NA          5.0          4.0
## 436     5.0        5.0          2.0          5.0          2.0
## 437     7.0        5.0          5.0          1.0          5.0
## 438     7.0        8.0          6.0          9.0          8.0
## 439     6.0        7.0          6.0          3.0          4.0
## 440     8.0        9.0          7.0          5.0          6.0
## 441     7.0        6.0          3.0          2.0          4.0
## 442     5.0        5.0           NA          2.0          5.0
## 443     6.0        4.0           NA          4.0          4.0
## 444     3.0        6.0          4.0          4.0          7.0
## 445     5.0        7.0          5.0          7.0          6.0
## 446     6.0        5.0          6.0          6.0          4.0
## 447     8.0        9.0          7.0          8.0          5.0
## 448     4.0        6.0          3.0          3.0          5.0
## 449     5.0        4.0          4.0          8.0          5.0
## 450     6.0        8.0          3.0          6.0          5.0
## 451      NA         NA           NA          6.0          3.0
## 452     3.0        7.0          7.0          7.0          4.0
## 453     7.0        6.0          5.0          2.0          6.0
## 454     7.0        8.0          7.0          7.0          7.0
## 455     6.0        8.0          6.0          4.0          3.0
## 456     7.0        7.0           NA          5.0          7.0
## 457     9.0       10.0          7.0          2.0          8.0
## 458     5.0        5.0           NA          1.0          1.0
## 459     8.0       10.0           NA          8.0          8.0
## 460     6.0        7.0          2.0          3.0          7.0
## 461     7.0        6.0          5.0          5.0         10.0
## 462     9.0        7.0          7.0          6.0          6.0
## 463    10.0        8.0          7.0         10.0          6.0
## 464     6.0        6.0          6.0          7.0          9.0
## 465     8.0         NA          6.0          8.0          6.0
## 466     8.0        8.0          4.0          9.0          9.0
## 467      NA         NA           NA          8.0          8.0
## 468     6.0        7.0          7.0          8.0          7.0
## 469     7.0        7.0          5.0          2.0          9.0
## 470     8.0        9.0          6.0          3.0          9.0
## 471     7.0        8.0          6.0          3.0          9.0
## 472    10.0       10.0         10.0          8.0          8.0
## 473    10.0        4.0          4.0          6.0          7.0
## 474    10.0        5.0           NA          3.0         10.0
## 475     6.0        6.0          5.0          5.0          5.0
## 476     7.0        5.0          3.0          7.0          9.0
## 477     5.0        5.0          4.0          4.0          7.0
## 478     5.0        6.0          5.0          4.0          5.0
## 479     9.0        7.0          6.0          8.0          6.0
## 480     5.0        5.0          6.0          5.0          5.0
## 481     6.0        5.0          3.0          8.0          5.0
## 482     8.0        4.0          5.0          5.0          7.0
## 483      NA         NA           NA          5.0          6.0
## 484     8.0        8.0          9.0          3.0          1.0
## 485     6.0        7.0          5.0          3.0          9.0
```

```
## 486     7.0      9.0         6.0           8.0         7.0
## 487     8.0      7.0         5.0           4.0         8.0
## 488     9.0     10.0         9.0           6.0         7.0
## 489     9.0      5.0         7.0           3.0        10.0
## 490     6.0      7.0         5.0           4.0        10.0
## 491     6.0      6.0         7.0           5.0         4.0
## 492     7.0      7.0          NA           5.0        10.0
## 493     6.0      8.0         5.0           8.0        10.0
## 494     3.0      5.0         2.0           8.0         9.0
## 495     6.0      6.0          NA           9.0         8.0
## 496     4.0      5.0          NA           5.0         6.0
## 497     5.0      6.0         5.0           6.0         6.0
## 498     6.0      6.0         4.0           7.0         5.0
## 499     9.0       NA         6.0           8.0        10.0
## 500    10.0      7.0         4.0           6.0        10.0
## 501     4.0      4.0          NA           8.0         7.0
## 502     7.0      7.0         8.0           5.0         6.0
## 503     3.0      1.0         3.0           5.0         8.0
## 504     4.0      4.0         3.0           4.0         6.0
## 505     3.0     10.0         3.0           8.0         9.0
## 506     9.0      9.0         8.0           3.0        10.0
## 507     5.0      9.0         5.0           5.0         5.0
## 508     6.0      7.0         2.0           5.0         5.0
## 509     6.0      6.0         7.0           8.0         8.0
## 510      NA      8.0          NA           5.0         5.0
## 511     6.0      8.0         5.0           5.0         5.0
## 512     3.0      5.0         2.0           5.0         5.0
## 513     2.0      1.0          NA           8.0         8.0
## 514     3.0      6.0          NA           8.0         8.0
## 515     5.0      9.0         5.0          10.0        10.0
## 516     3.0      6.0         2.0           8.0         8.0
## 517      NA      9.0         7.0          10.0        10.0
## 518     4.0      6.0         2.0          10.0        10.0
## 519     4.0      4.0          NA          10.0        10.0
## 520     6.0      7.0         6.0          10.0         5.0
## 521     1.0      8.0         2.0           5.0         5.0
## 522     3.0      4.0         3.0           5.0         5.0
## 523     1.0     10.0         1.0           5.0         5.0
## 524     6.0      8.0          NA           5.0         5.0
## 525     8.0      7.0         6.0           3.0        10.0
## 526     5.0      6.0         3.0           3.0         6.0
## 527     6.0      6.0         6.0           6.0        10.0
## 528     7.0       NA          NA           7.0         6.0
## 529     7.0      9.0         7.0           8.0         9.0
## 530     3.0      7.0         3.0           7.0         8.0
## 531     2.0      6.0         1.0           8.0         9.0
## 532     5.0      5.0          NA           3.0         8.0
## 533     7.0      8.0         7.0           4.0         7.0
## 534     5.0      6.0         4.0           8.0         7.0
## 535     7.0      8.0          NA           5.0         9.0
## 536     6.0      6.0         5.0           6.0        10.0
## 537     6.0      7.0         6.0           6.0         9.0
## 538     8.0      7.0         9.0           3.0         8.0
## 539     1.0      5.0         1.0           4.0         7.0
```

```
## 540    7.0    5.0     4.0     4.0     8.0
## 541    7.0    7.0     7.0     6.0    10.0
## 542    7.0    9.0      NA     4.0     9.0
## 543    4.0    9.0     3.0     4.0     5.0
## 544    5.0    7.0     3.0     4.0     5.0
## 545    6.0    6.0     7.0     4.0     6.0
## 546    8.0     NA      NA     5.0     5.0
## 547    4.0   10.0     4.0     8.0     5.0
## 548    1.0    7.0     2.0     6.0     5.0
## 549    6.0    4.0     3.0     7.0     6.0
## 550    3.0    5.0      NA     4.0     4.0
## 551    5.0    7.0     6.0     3.0     4.0
## 552    5.0    5.0     5.0     6.0     6.0
## 553    6.0    9.0     5.0     5.0     6.0
## 554    5.0    7.0     5.0     4.0     4.0
## 555    4.0    6.0      NA     6.0     5.0
## 556    8.0    7.0     7.0     7.0     4.0
## 557    1.0    1.0     1.0     6.0     5.0
## 558    2.0    6.0     2.0     4.0     6.0
## 559    4.0    8.0     2.0     4.0     6.0
## 560    7.0    6.0     5.0     3.0     7.0
## 561    5.0    7.0     2.0     6.0     7.0
## 562    7.0    7.0     6.0     6.0     7.0
## 563    6.0    6.0     9.0     8.0     8.0
## 564     NA    8.0     6.0     5.0     7.0
## 565    7.0    9.0     3.0     7.0     6.0
## 566    6.0    6.0     4.0     8.0     7.0
## 567    2.0    2.0     1.0     9.0     7.0
## 568    3.0    7.0     2.0     7.0     6.0
## 569    5.0    6.0     3.0     7.0     7.0
## 570    5.0    8.0     5.0     9.0     7.0
## 571    5.0    4.0     6.0     7.0     6.0
## 572    2.0    5.0     7.0     6.0     7.0
## 573    4.0    5.0     3.0     8.0     7.0
## 574    7.0    7.0     5.0     8.0     7.0
## 575    1.0    1.0     1.0     7.0     7.0
## 576    6.0    9.0     6.0     5.0     5.0
## 577    4.0    5.0     7.0     7.0     6.0
## 578    4.0    5.0     1.0     8.0     5.0
## 579    6.0    8.0     4.0     7.0     8.0
## 580    4.0    6.0     6.0     7.0     7.0
## 581    6.0    7.0     5.0     7.0     8.0
## 582     NA    8.0      NA     6.0     6.0
## 583    5.0    8.0     7.0     7.0     6.0
## 584    1.0    4.0     3.0     7.0     6.0
## 585    4.0    5.0     1.0     8.0     8.0
## 586    4.0    7.0     2.0     8.0     8.0
## 587    2.0    6.0     5.0     6.0     6.0
## 588    3.0    6.0     4.0     9.0     8.0
## 589    5.0    9.0     6.0     9.0     8.0
## 590    3.0    7.0     3.0     6.0     5.0
## 591    5.0    6.0     5.0     7.0     7.0
## 592    7.0    8.0     9.0     8.0     6.0
## 593    2.0    8.0     4.0     7.0     7.0
```

```
## 594    4.0     5.0      2.0       6.0       7.0
## 595    3.0     8.0      3.0       6.0       6.0
## 596    1.0     5.0      1.0       5.0       7.0
## 597    6.0     8.0      5.0       6.0       7.0
## 598    7.0     6.0      7.0       5.0       8.0
## 599    7.0     7.0      6.0       6.0       8.0
## 600    8.0      NA      8.0       7.0       8.0
## 601    6.0    10.0      6.0      10.0       8.0
## 602    6.0     5.0      4.0      10.0       9.0
## 603    6.0     4.0      4.0       9.0       8.0
## 604    5.0      NA       NA       6.0       7.0
## 605    7.0     5.0      5.0       6.0       8.0
## 606    7.0     6.0      5.0       9.0       6.0
## 607     NA     8.0      7.0       8.0       9.0
## 608    5.0     6.0      4.0       6.0       8.0
## 609    7.0     8.0       NA       7.0       7.0
## 610    9.0     8.0     10.0       8.0       8.0
## 611    3.0     4.0      2.0       6.0       7.0
## 612    7.0     6.0      5.0       6.0       8.0
## 613    9.0     5.0      3.0       8.0       8.0
## 614    9.0     6.0       NA       6.0       8.0
## 615    4.0     7.0      3.0       9.0       5.0
## 616    6.0     6.0      5.0        NA       5.0
## 617    6.0     6.0      6.0       5.0       6.0
## 618    7.0     7.0      7.0       6.0       6.0
## 619    8.0    10.0      5.0       6.0       7.0
## 620    4.0     6.0      2.0       5.0       6.0
## 621    4.0     4.0      4.0       7.0       5.0
## 622    7.0     6.0       NA       5.0       6.0
## 623    7.0     7.0      6.0       9.0       5.0
## 624    2.0     6.0      2.0       7.0       6.0
## 625    7.0     8.0      8.0       5.0       7.0
## 626    7.0     7.0      4.0       5.0       6.0
## 627    3.0     5.0      3.0       5.0       6.0
## 628    8.0     7.0      8.0       7.0       5.0
## 629    1.0     2.0      1.0       6.0       6.0
## 630    6.0     6.0      6.0        NA       3.0
## 631    7.0     4.0      3.0       6.0       7.0
## 632    8.0     5.0      7.0       3.0       7.0
## 633    5.0     6.0      3.0       3.0       8.0
## 634    7.0     7.0      6.0       4.0       6.0
## 635    8.0     6.0      5.0       4.0       6.0
## 636    8.0     7.0       NA       6.0       8.0
## 637    8.0     6.0      6.0       9.0       8.0
## 638    7.0     6.0      3.0       9.0       8.0
## 639    5.0     6.0      7.0       8.0       8.0
## 640    8.0     8.0      6.0       6.0       8.0
## 641    7.0     5.0      7.0       5.0       6.0
## 642    8.0     8.0      8.0       7.0       7.0
## 643    9.0     6.0      4.0       5.0       6.0
## 644    6.0     7.0      8.0       5.0       8.0
## 645    3.0     2.0      2.0       7.0       7.0
## 646    8.0     7.0      6.0       7.0       7.0
## 647    2.0     2.0      3.0       6.0       8.0
```

```
## 648     9.0      4.0          6.0          3.0          6.0
## 649     8.0      5.0          3.0          7.0          7.0
## 650     7.0      5.0          5.0          3.0          5.0
## 651     9.0      9.0          8.0          6.0          7.0
## 652     5.0      7.0          4.0          7.0          8.0
## 653     7.0      6.0          7.0          7.0          8.0
## 654     8.0       NA          6.0          7.0          7.0
## 655     8.0      9.0          8.0          9.0          8.0
## 656     7.0      7.0          6.0          9.0          8.0
## 657     5.0      6.0           NA          8.0          8.0
## 658     8.0      6.0          4.0          7.0          8.0
## 659     7.0      7.0          7.0          7.0          7.0
## 660     6.0      7.0          5.0          9.0          7.0
## 661     9.0      6.0          6.0          7.0          7.0
## 662     5.0      7.0          5.0          7.0          7.0
## 663     7.0      8.0          6.0          8.0          8.0
## 664     9.0      9.0         10.0          8.0          8.0
## 665     8.0     10.0          8.0          8.0          8.0
## 666     4.0      4.0          4.0          6.0          8.0
## 667     8.0      5.0          3.0          8.0          7.0
## 668     7.0      9.0           NA          7.0          8.0
## 669     7.0      7.0          6.0          5.0          8.0
## 670     7.0      7.0          7.0          6.0          8.0
## 671     8.0      8.0          7.0          5.0           NA
## 672     8.0       NA           NA          7.0           NA
## 673     8.0     10.0          7.0          7.0           NA
## 674     7.0      6.0          6.0          8.0           NA
## 675     7.0      8.0          4.0          8.0           NA
## 676     7.0      7.0           NA          6.0           NA
## 677     8.0      7.0          7.0          6.0           NA
## 678     9.0      8.0          8.0          8.0          8.0
## 679     9.0      8.0          4.0           NA           NA
## 680     7.0     10.0          5.0          6.0          8.0
## 681     6.0      7.0          4.0          7.0          7.0
## 682    10.0      8.0          9.0          7.0           NA
## 683     5.0      8.0          3.0          7.0           NA
## 684     8.0      4.0          4.0          5.0           NA
## 685     9.0      9.0          7.0           NA           NA
## 687     4.0      4.0          2.0          2.0          8.0
## 688     4.0      4.0          2.0          2.0          2.0
## 689     4.0      4.0          4.0          4.0          6.0
## 690     7.0      8.0           NA          7.0          5.0
## 691     7.0     10.0          8.0          6.0          4.0
## 692     5.0      6.0          6.0          7.0          3.0
## 693     1.0      6.0          2.0          8.0          4.0
## 694     4.0      6.0          6.0          5.0          8.0
## 695     2.0      4.0          3.0          3.0          5.0
## 696     5.0      5.0          5.0          7.0          7.0
## 697     6.0      7.0          5.0          8.0          7.0
## 698     1.0      9.0          2.0          6.0          9.0
## 699     2.0      2.0          2.0          6.0          6.0
## 700     6.0      7.0          6.0          8.0          4.0
## 701     2.0      5.0          4.0          5.0          6.0
## 702     7.0      6.0          8.0          2.0          9.0
```

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```
## 703    8.0    8.0    3.0    6.0    8.0
## 704    1.0    9.0     NA    1.0    8.0
## 705    5.0    8.0    2.0    6.0    6.0
## 706    5.0    5.0    4.0    4.0    6.0
## 707    7.0    5.0    6.0    7.0    7.0
## 708    6.0    8.0    7.0    7.0    7.0
## 709    5.0    9.0    7.0    8.0    7.0
## 710    4.0    4.0    4.0    8.0    7.0
## 711    1.0    4.0    2.0    8.0    7.0
## 712    5.0    7.0    5.0    5.0    7.0
## 713    6.0    7.0    5.0    6.0    7.0
## 714    5.0    5.0    5.0    8.0    8.0
## 715    6.0    9.0    4.0    6.0    7.0
## 716    9.0    7.0    9.0    5.0    7.0
## 717    4.0    5.0    3.0    6.0    6.0
## 718    7.0    7.0    9.0    7.0    7.0
## 719    2.0    5.0    2.0    6.0    6.0
## 720    6.0    4.0    5.0    5.0    7.0
## 721    3.0    8.0    3.0    7.0    7.0
## 722    6.0    9.0     NA    4.0    6.0
## 723    7.0    7.0    2.0    6.0    8.0
## 724    6.0    7.0    8.0    6.0    8.0
## 725     NA     NA     NA    7.0    8.0
## 726    7.0    8.0    8.0    8.0    8.0
## 727    7.0    8.0    5.0    9.0    8.0
## 728    6.0    7.0    5.0    9.0    9.0
## 729    3.0    8.0    2.0    8.0    8.0
## 730    5.0    7.0     NA    6.0    8.0
## 731    7.0    9.0    7.0    6.0    8.0
## 732    6.0    6.0    6.0    8.0    8.0
## 733    8.0    9.0    9.0    8.0    9.0
## 734    6.0    7.0    4.0    7.0    9.0
## 735    3.0    7.0    3.0    8.0    8.0
## 736    8.0    8.0    6.0    8.0    7.0
## 737    5.0    6.0    7.0    7.0    8.0
## 738    4.0    7.0    4.0    7.0    8.0
## 739    3.0    9.0    5.0    6.0    9.0
## 740    5.0    5.0     NA    5.0    8.0
## 741    6.0    8.0    2.0    5.0    7.0
## 742    4.0    5.0    4.0    4.0    7.0
## 743    6.0    5.0    5.0    6.0    7.0
## 744    8.0    8.0    8.0    8.0    7.0
## 745    6.0    9.0    6.0    8.0    9.0
## 746    2.0    7.0    2.0    8.0    8.0
## 747    3.0    6.0    2.0    9.0    9.0
## 748    4.0    6.0    5.0    5.0    8.0
## 749    4.0    7.0    6.0    6.0    8.0
## 750    4.0    5.0    5.0    8.0    8.0
## 751    8.0    9.0    9.0    7.0    8.0
## 752    5.0    6.0    8.0    5.0    8.0
## 753    5.0    7.0    3.0    8.0    8.0
## 754    6.0    7.0    9.0    8.0    8.0
## 755    4.0    5.0    2.0    9.0    8.0
## 756    2.0    3.0    3.0    6.0    8.0
```

```
## 757      5.0        9.0        5.0        6.0        8.0
## 758      5.0        6.0         NA        3.0        8.0
## 759      8.0        9.0        5.0        5.0        8.0
## 760      7.0        7.0        7.0        5.0        8.0
## 761      6.0        7.0        5.0        6.0        9.0
## 762       NA         NA        2.0        8.0        9.0
## 763      8.0        8.0        6.0        8.0        9.0
## 764      6.0        6.0        4.0        8.0        9.0
## 765      4.0        3.0        4.0        9.0        8.0
## 766      6.0        5.0        3.0        6.0        8.0
## 767      8.0        7.0        8.0        7.0        9.0
## 768     10.0        9.0        8.0        8.0       10.0
## 769      9.0        7.0        5.0        6.0        8.0
## 770      6.0        6.0        4.0        6.0        9.0
## 771      6.0        6.0        5.0        8.0        9.0
## 772      8.0        8.0        6.0        8.0        8.0
## 773      6.0        8.0        4.0        6.0        9.0
## 774      7.0        4.0        5.0        6.0        9.0
## 775      8.0        9.0        8.0        8.0       10.0
## 776     10.0        7.0         NA        5.0        9.0
## 777      7.0        9.0        5.0        2.0        6.0
## 778      7.0        7.0        5.0        3.0        9.0
## 779      6.0        4.0        3.0        3.0        7.0
## 780      7.0        6.0         NA        5.0       10.0
## 781      7.0        7.0        5.0        4.0        7.0
## 782     10.0        9.0        6.0        3.0       10.0
## 783      5.0        7.0        5.0        3.0       10.0
## 784      5.0        4.0        5.0        4.0       10.0
## 785      8.0       10.0        5.0        3.0       10.0
## 786      7.0        7.0        5.0        3.0       10.0
## 787      6.0        6.0        5.0        8.0        7.0
## 788      5.0        4.0        1.0        8.0        8.0
## 789      5.0        5.0        4.0        7.0        6.0
## 790      5.0        5.0         NA        9.0        8.0
## 791      5.0        5.0        4.0        8.0       10.0
## 792      6.0        8.0        6.0       10.0        9.0
## 793      7.0        7.0        7.0       10.0       10.0
## 794      6.0        6.0        5.0       10.0       10.0
## 795      8.0        6.0        5.0        8.0        9.0
## 796      6.0        5.0        5.0        8.0        8.0
## 797      8.0        8.0        6.0        9.0       10.0
## 798     10.0        7.0        6.0        7.0       10.0
## 799      4.0        6.0        4.0        5.0        1.0
## 800      4.0        4.0         NA        9.0        9.0
## 801      8.0        6.0        5.0        6.0       10.0
## 802      6.0        5.0        1.0        2.0       10.0
## 803      6.0        5.0        5.0       10.0        4.0
## 804      6.0        7.0        5.0        7.0       10.0
## 805      7.0        7.0        5.0        9.0       10.0
## 806      6.0        5.0        5.0        2.0       10.0
## 807      5.0        6.0        5.0        5.0        8.0
## 808      4.0        3.0        2.0        6.0        8.0
## 809      5.0        5.0        2.0        7.0        7.0
## 810      4.0        6.0        3.0        8.0        8.0
```

```
## 811     7.0     5.0     5.0     6.0     5.0
## 812     7.0     7.0     2.0     6.0     9.0
## 813     5.0     6.0     5.0     7.0     7.0
## 814     3.0     6.0     5.0     6.0     5.0
## 815     7.0     8.0     7.0     5.0     8.0
## 816     6.0     5.0     7.0     6.0     8.0
## 817     8.0     7.0     5.0     6.0     7.0
## 818    10.0    10.0    10.0     8.0     9.0
## 819     5.0     5.0     4.0     6.0     7.0
## 820     6.0     7.0      NA     8.0     8.0
## 821     5.0     6.0     7.0     7.0     7.0
## 822    10.0     6.0      NA     7.0     8.0
## 823     7.0     7.0     7.0     7.0     7.0
## 824     6.0     5.0     5.0     7.0     8.0
## 825     9.0     7.0     8.0     6.0     8.0
## 826     4.0     5.0     5.0     7.0     7.0
## 827     5.0     6.0     4.0     2.0     7.0
## 828     5.0     5.0     5.0     7.0     7.0
## 829     6.0     5.0     3.0     7.0     7.0
## 830     7.0     9.0      NA     6.0     7.0
## 831     7.0     5.0     4.0     6.0     6.0
## 832     7.0      NA      NA     1.0     7.0
## 833     5.0     7.0     6.0     3.0     8.0
## 834     6.0     7.0     5.0     4.0     5.0
## 835     7.0     3.0     5.0     3.0     8.0
## 836     7.0     6.0     5.0     3.0     7.0
## 837     5.0     4.0     4.0     7.0     7.0
## 838     6.0     7.0     6.0     7.0     7.0
## 839     3.0     7.0     2.0     4.0     5.0
## 840     4.0     9.0     1.0     7.0     7.0
## 841     6.0     6.0     5.0     5.0     6.0
## 842     8.0     8.0     5.0     5.0     6.0
## 843     4.0     7.0     6.0     6.0     6.0
## 844     6.0     5.0     5.0     6.0     6.0
## 845     9.0     6.0     8.0     6.0     6.0
## 846     5.0     6.0     5.0     8.0     6.0
## 847     8.0     6.0     8.0     6.0     7.0
## 848     8.0     7.0     7.0     6.0     7.0
## 849     7.0     5.0     3.0     7.0     7.0
## 850     8.0     6.0     2.0     7.0     7.0
## 851     7.0     7.0     8.0     7.0     7.0
## 852     9.0     8.0     6.0     5.0     7.0
## 853     7.0     6.0     7.0     7.0     7.0
## 854     7.0     6.0     5.0     7.0     7.0
## 855     9.0     5.0     6.0     7.0     7.0
## 856     8.0     6.0     5.0     5.0     8.0
## 857     3.0     2.0     3.0     7.0     6.0
## 858     7.0     7.0     7.0     4.0     7.0
## 859     5.0      NA      NA     5.0     8.0
## 860     8.0     8.0     3.0     3.0     6.0
## 861     7.0     8.0     6.0     9.0     8.0
## 862     5.0     4.0     2.0     2.0     6.0
## 863     6.0     8.0     5.0     4.0     6.0
## 864     7.0     8.0     6.0     8.0     8.0
```

```
## 865     7.0      9.0           7.0           8.0          8.0
## 866     7.0      8.0           1.0           5.0         10.0
## 867     3.0       NA           3.0           6.0          6.0
## 868     8.0      7.0           3.0           0.0          6.0
## 869     9.0      8.0           8.0          10.0         10.0
## 870     5.0      5.0           5.0           5.0          5.0
## 871     6.0      5.0           5.0           6.0          6.0
## 872     7.0      7.0           6.0           7.0          6.0
## 873     3.0      5.0           2.0           6.0          4.0
## 874     7.0      7.0           7.0           5.0          6.0
## 875     1.0      1.0           1.0           3.0          6.0
## 876     7.0      8.0           6.0           4.0          6.0
## 877     5.0      6.0           6.0           8.0          7.0
## 878     5.0      5.0           5.0           4.0          7.0
## 879     4.0      5.0           3.0           3.0          4.0
## 880     7.0      7.0           6.0           6.0          7.0
## 881     5.0      8.0           6.0           7.0          5.0
## 882     8.0      9.0           9.0           4.0          7.0
## 883     9.0       NA           4.0           4.0          7.0
## 884     8.0      8.0           5.0           2.0          8.0
## 885     8.0      8.0           8.0           8.0          6.0
## 886     5.0      6.0           5.0           1.0          6.0
## 887     6.0      4.0           4.0           4.0          6.0
## 888     7.0      8.0           6.0           5.0          6.0
## 889     9.0     10.0           7.0           8.0          6.0
## 890    10.0     10.0          10.0           5.0          8.0
## 891     8.0      8.0           8.0           6.0          6.0
## 892     8.0      8.0           4.0           5.0          8.0
## 893     7.0      8.0           7.0           8.0          6.0
## 894     8.0      8.0           5.0           5.0          7.0
## 895     6.0      8.0           4.0           6.0          6.0
## 896     7.0      7.0           6.0           7.0          7.0
## 897     6.0      7.0           7.0           9.0          8.0
## 898     8.0      8.0           7.0           6.0          9.0
## 899     1.0      7.0           2.0           4.0          8.0
## 900     8.0      8.0           5.0           6.0          6.0
## 901     7.0      8.0           8.0          10.0          6.0
## 902     3.0      5.0           1.0           6.0          4.0
## 903     4.0      7.0           5.0           7.0          7.0
## 904     5.0      7.0           5.0           8.0          8.0
## 905     3.0      5.0           4.0           7.0          8.0
## 906    10.0      9.0           9.0           5.0          8.0
## 907     1.0      1.0           3.0           5.0          8.0
## 908     8.0      8.0           5.0           5.0          8.0
## 909     6.0      7.0           7.0           7.0          7.0
## 910     3.0      7.0           1.0           5.0          8.0
## 911     6.0      6.0           6.0           6.0          7.0
## 912     7.0      6.0           7.0           5.0          7.0
## 913     8.0      9.0           7.0           7.0          7.0
## 914    10.0     10.0           9.0           6.0          8.0
## 915     9.0       NA           4.0           4.0          7.0
## 916     8.0      9.0           4.0           3.0          7.0
## 917     7.0      9.0           7.0           7.0          7.0
## 918     5.0      8.0           5.0           4.0          8.0
```

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## 919     6.0          5.0              4.0                 3.0                 7.0
## 920     8.0          8.0              5.0                 6.0                 8.0
## 921     3.0          5.0              2.0                 8.0                10.0
## 922    10.0          9.0             10.0                 7.0                 6.0
## 923     9.0         10.0              8.0                 6.0                 8.0
## 924     8.0          7.0              4.0                 5.0                 9.0
## 925     7.0          7.0              8.0                10.0                 9.0
## 926     7.0          8.0              3.0                 7.0                 8.0
## 927     5.0          6.0              4.0                 8.0                 7.0
## 928     7.0          7.0              5.0                 7.0                 9.0
## 929     2.0          9.0              3.0                 8.0                 6.0
## 930    10.0          9.0              7.0                 6.0                 8.0
## 931     5.0           NA              5.0                 5.0                 6.0
## 932     8.0          8.0              5.0                 6.0                 7.0
## 933     6.0          8.0              6.0                 6.0                 5.0
## 934     2.0          3.0              2.0                 5.0                 6.0
## 935     5.0          8.0              5.0                 6.0                 6.0
## 936     6.0          8.0              5.0                 6.0                 7.0
## 937     7.0          7.0              6.0                 5.0                 5.0
## 938     8.0          4.0              6.0                 4.0                 5.0
## 939     8.0           NA               NA                 2.0                10.0
## 940     7.0          7.0              7.0                10.0                 8.0
## 941      NA           NA               NA                 2.0                10.0
## 942     5.0          7.0              3.0                 6.0                 8.0
## 943     7.0          7.0              4.0                 1.0                10.0
## 944     8.0           NA              6.0                 1.0                10.0
## 945    10.0          6.0              9.0                 1.0                 NA
## 946     7.0          7.0              7.0                 6.0                 NA
## 947     6.0          6.0              5.0                 2.0                 3.0
## 948     9.0          8.0              7.0                 5.0                 7.0
## 949     8.0          4.0               NA                 4.0                 8.0
## 950     9.0          9.0              9.0                 8.0                 6.0
## 951     7.0          5.0              8.0                 5.0                 5.0
## 952     8.0          8.0              7.0                 5.0                 5.0
## 953     8.0          7.0              3.0                 5.0                 5.0
## 954     8.0          6.0              4.0                 2.0                 8.0
## 955     7.0          7.0              5.0                 4.0                 7.0
## 956     6.0          5.0              5.0                 4.0                 6.0
## 957     6.0           NA               NA                 4.0                 6.0
## 958     9.0          6.0              6.0                 6.0                 5.0
## 959      NA           NA               NA                 8.0                 9.0
## 960     8.0          8.0              9.0                10.0                 7.0
## 961     5.0          5.0              4.0                 4.0                 6.0
## 962     5.0           NA               NA                 3.0                 5.0
## 963     6.0          6.0              6.0                 6.0                 7.0
## 964     7.0          7.0              5.0                 9.0                 7.0
## 965     6.0          6.0              7.0                 6.0                 6.0
## 966     8.0          7.0              7.0                 7.0                 7.0
## 967     6.0          4.0               NA                 5.0                 6.0
## 968     8.0          9.0              7.0                 9.0                 9.0
## 969     6.0          5.0              3.0                 9.0                 7.0
## 970     7.0          5.0              4.0                 6.0                 7.0
## 971     6.0          9.0              8.0                 8.0                 9.0
## 972     5.0          6.0              5.0                 4.0                 6.0
```

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```
## 973      6.0      5.0      3.0      4.0       2.0
## 974      4.0      4.0      6.0      2.0       4.0
## 975      6.0      6.0       NA      2.0       5.0
## 976      7.0      6.0      5.0      9.0       5.0
## 977       NA       NA       NA      7.0       9.0
## 978      4.0      2.0      4.0      7.0       9.0
## 979      7.0      8.0      8.0      2.0       9.0
## 980      5.0       NA       NA      2.0       9.0
## 981      3.0      6.0      5.0      3.0       8.0
## 982      6.0      6.0      6.0      5.0       9.0
## 983      6.0      4.0      4.0      9.0       5.0
## 984      6.0      4.0      6.0      7.0       9.0
## 985      8.0      8.0       NA      5.0       9.0
## 986      5.0      5.0      5.0      9.0       9.0
## 987      5.0      4.0      3.0      7.0       4.0
## 988      8.0      8.0      3.0      7.0      10.0
## 989      4.0      6.0       NA      2.0       2.0
## 990      2.0      2.0      3.0      5.0       5.0
## 991      8.0      6.0      9.0      5.0       6.0
## 992      6.0      5.0      5.0      5.0       6.0
## 993      9.0      8.0      8.0      7.0       7.0
## 994      6.0      7.0      7.0      7.0       7.0
## 995       NA       NA       NA      2.0       2.0
## 996      8.0      8.0      9.0      7.0       7.0
## 997      8.0      6.0      4.0      4.0       6.0
## 998      6.0       NA       NA      4.0       6.0
## 999      4.0      6.0      3.0      2.0       2.0
## 1000     6.0      7.0      6.0      5.0       5.0
## 1001     7.0      7.0      4.0       NA       6.0
## 1002     9.0      5.0      6.0      6.0       6.0
## 1003     6.0      9.0      8.0      5.0       5.0
## 1004     7.0      6.0      5.0      5.0       7.0
## 1005     7.0      4.0      7.0      6.0       6.0
## 1006     7.0      7.0      5.0      5.0       5.0
## 1007     8.0      6.0       NA      4.0       4.0
## 1008     5.0      3.0      7.0      6.0       6.0
## 1009     7.0      7.0      5.0      1.0        NA
## 1010     5.0      6.0      4.0      7.0       9.0
## 1011     6.0       NA       NA      6.0       7.0
## 1012     4.0      6.0      6.0      8.0       8.0
## 1013      NA       NA       NA      6.0       7.0
## 1014     7.0      5.0      5.0      8.0       8.0
## 1015     7.0      8.0      4.0      6.0       8.0
## 1016      NA       NA       NA      6.0       8.0
## 1017     7.0      7.0     10.0      8.0       8.0
## 1018     6.0      7.0      6.0      7.0       8.0
## 1019     6.0      7.0      4.0      8.0       8.0
## 1020     6.0      5.0      7.0      8.0       8.0
## 1021     3.0     10.0      4.0      7.0       9.0
## 1022     5.5      6.0      2.0      6.0       9.0
## 1023     7.0      6.0      2.0      8.0       8.0
## 1024     7.0      7.0      5.0      8.0       8.0
## 1025     6.0      9.0       NA      6.0        NA
## 1026     3.0      5.0      5.0      7.0       9.0
```

```
## 1027      8.0       8.0          6.0            2.0          10.0
## 1028      8.0       6.0          7.0            3.0           7.0
## 1029      8.0        NA           NA            2.0           6.0
## 1030      7.0       8.0          7.0            8.0           8.0
## 1031       NA        NA           NA            7.0           6.0
## 1032      5.0       5.0          8.0            8.0           8.0
## 1033      9.0       9.0          8.0            3.0           8.0
## 1034      7.0        NA           NA            3.0           8.0
## 1035      8.0       8.0          9.0            2.0           8.0
## 1036      8.0       8.0          8.0            4.0           9.0
## 1037      7.0       7.0          6.0            6.0           8.0
## 1038      8.0      10.0          5.0            9.0           9.0
## 1039      3.0      10.0          9.0            4.0           9.0
## 1040      9.0       9.0          8.0            2.0           7.0
## 1041      7.0       6.0          6.0            7.0           7.0
## 1042      6.0       8.0          5.0            6.0           9.0
## 1043      5.0      10.0          5.0            6.0           6.0
## 1044      6.0       8.0          3.0            4.0           9.0
## 1045      8.0       6.0          6.0            7.0           7.0
## 1046      6.0       5.0          4.0            4.0           8.0
## 1047      8.0        NA           NA            5.0          10.0
## 1048      5.0       6.0          7.0            8.0           9.0
## 1049       NA        NA           NA            7.0          10.0
## 1050      4.0       3.0          2.0            8.0           8.0
## 1051      8.0       8.0          7.0            5.0          10.0
## 1052      9.0       7.0          8.0            5.0          10.0
## 1053      9.0       8.0          5.0            4.0          10.0
## 1054      6.0       6.0          3.0            6.0           8.0
## 1055      8.0       6.0          5.0            8.0           9.0
## 1056      6.0       7.0          6.0            7.0           9.0
## 1057      5.0       3.0           NA            5.0          10.0
## 1058      8.0       7.0          7.5            7.0          10.0
## 1059      7.0       5.0          4.0            7.0          10.0
## 1060      8.0       7.0          5.0            6.0          10.0
## 1061      8.0       6.0          7.0            7.0           8.0
## 1062      5.0       5.0          3.0            6.0          10.0
## 1063      7.0       7.0          5.0            4.0           6.0
## 1064      6.0       7.0          5.0            5.0           6.0
## 1065      6.0       6.0           NA            4.0           8.0
## 1066      6.0       8.0          4.0            8.0           6.0
## 1067       NA        NA           NA            5.0           6.0
## 1068      8.0       9.0          9.0            8.0           7.0
## 1069      8.0       8.0          6.0            4.0           8.0
## 1070      7.0        NA          6.0            5.0           8.0
## 1071      8.0       5.0          6.0            5.0           7.0
## 1072      8.0       8.0          8.0            7.0           8.0
## 1073      7.0       7.0          5.0            7.0           8.0
## 1074      7.0       5.0          8.0            5.0          10.0
## 1075     10.0      10.0         10.0            5.0           8.0
## 1076      8.0       7.0          6.5            8.0           8.0
## 1077      7.0       6.0          4.0            5.0           7.0
## 1078      7.0       7.0          5.0            4.0           8.0
## 1079      8.0       8.0           NA            4.0           7.0
## 1080      7.0       5.0          8.0            4.0           8.0
```

```
## 1081     6.0        6.0          5.0            1.0          5.0
## 1082     6.0        6.0          4.0            5.0          8.0
## 1083     8.0        8.0          8.0            5.0          8.0
## 1084     7.0        6.0          6.0            4.0          6.0
## 1085      NA         NA           NA            5.0          8.0
## 1086     7.0        7.0          7.0            7.0          5.0
## 1087     8.0        7.0          5.0            2.0          5.0
## 1088     7.0         NA          6.0            3.0          7.0
## 1089     5.0        5.0          4.0            4.0          5.0
## 1090     8.0        8.0          7.0            5.0          5.0
## 1091     6.0        6.0          5.0            6.0          2.0
## 1092     8.0        7.0          9.0            5.0          5.0
## 1093     8.0        8.0          8.0            4.0          6.0
## 1094     6.5        9.0          4.0            4.0          8.0
## 1095     8.0        8.0          5.0            4.0          0.0
## 1096     8.0        6.0          7.0            5.0          5.0
## 1097     6.0        8.0           NA            4.0          4.0
## 1098     5.0        5.0          3.0            3.0          5.0
## 1099     7.0        7.0          5.0            4.0          1.0
## 1100     6.0        5.0          6.0            5.0          6.0
## 1101     7.0         NA           NA            5.0          5.0
## 1102     5.0        7.0          4.0            7.0          8.0
## 1103      NA         NA           NA            8.0          8.0
## 1104     5.0        4.0          9.0            8.0          7.0
## 1105     9.0        7.0          9.0            5.0          8.0
## 1106     8.0         NA          7.0            4.0          7.0
## 1107     2.0        7.0          3.0            5.0          8.0
## 1108     8.0        7.0          7.0            8.0          7.0
## 1109     6.0        5.0          5.0            7.0          7.0
## 1110     7.0        6.0          7.0            8.0          8.0
## 1111     3.0        6.0           NA            6.0          8.0
## 1112     8.0        6.0          8.0            7.0          6.0
## 1113     5.0        4.0          3.0            6.0          6.0
## 1114     8.0        7.0          4.0            6.0          8.0
## 1115     8.0        8.0           NA            5.0          5.0
## 1116     6.0        7.0          6.0            6.0          4.0
## 1117     8.0        6.0          6.0            5.0          7.0
## 1118     9.0        6.0          9.0            6.0          8.0
## 1119     8.0         NA          8.0            6.0          7.0
## 1120     8.0        8.0          7.0            7.0          7.0
## 1121    10.0         NA         10.0            7.0          8.0
## 1122     4.0        8.0          5.0            7.0          6.0
## 1123     9.0        7.0          8.0            7.0          6.0
## 1124     9.0         NA          6.0            6.0          7.0
## 1125     8.0        8.0          5.0            5.0          8.0
## 1126     7.0        7.0          6.0            7.0          6.0
## 1127     8.0        7.0          6.0            9.0          8.0
## 1128     8.0        7.0          6.0            7.0          8.0
## 1129     8.0        9.0          1.0            5.0          7.0
## 1130     7.0        8.0          8.0           10.0          7.0
## 1131     7.0        7.0          5.0           10.0          8.0
## 1132     8.0        7.0          8.0            6.0          7.0
## 1133     8.0        7.0          8.0            8.0          7.0
## 1134     4.0        7.0          3.0            4.0          5.0
```

```
## 1135     7.0      7.0         5.0          2.0          3.0
## 1136     6.0      6.0         6.0          2.0          2.0
## 1137     7.0       NA          NA          3.0          6.0
## 1138     7.0      6.0         5.0          3.0          4.0
## 1139      NA       NA        10.0          2.0          8.0
## 1140     8.0      7.0         4.0          8.0          8.0
## 1141     8.0      6.0         4.0          3.0         10.0
## 1142     6.0       NA          NA          1.0          3.0
## 1143     7.0      4.0         3.0          2.0          3.0
## 1144     7.0      7.0         8.0          3.0          5.0
## 1145     6.0      6.0         5.0          2.0          3.0
## 1146     6.0      7.0         5.0          1.0          6.0
## 1147     8.0      4.0          NA          2.0          4.0
## 1148     9.0      9.0         8.5          8.0         10.0
## 1149     6.0      7.0         3.0          7.0          9.0
## 1150     8.0      7.0         8.0          2.0          4.0
## 1151     7.0      9.0          NA          4.0          3.0
## 1152     5.0      5.0         4.0          2.0          4.0
## 1153     6.0      6.0         5.0          1.0          2.0
## 1154     7.0      7.0         6.0          2.0         10.0
## 1155     7.0       NA          NA          3.0          7.0
## 1156     5.0      7.0         6.0          6.0          7.0
## 1157    10.0       NA        10.0          3.0         10.0
## 1158     4.0      5.0         8.0          8.0         10.0
## 1159     9.0      9.0         8.0          4.0         10.0
## 1160     7.0       NA          NA          3.0         10.0
## 1161     6.0      7.0         5.0          2.0         10.0
## 1162     6.0      7.0         6.0          6.0          7.0
## 1163     6.0      6.0         5.0          6.0          9.0
## 1164     8.0      7.0         7.0          6.0          9.0
## 1165     8.0      6.0         5.0          2.0         10.0
## 1166     9.0      9.0         9.0          3.0         10.0
## 1167     8.0      5.0         4.0          8.0         10.0
## 1168     6.0      6.0         7.0          5.0         10.0
## 1169     7.0      6.0         6.0          4.0         10.0
## 1170     5.0      5.0         4.0          2.0         10.0
## 1171     5.0      5.0         5.0          6.0          9.0
## 1172     4.0      6.0         3.0          6.0          9.0
## 1173     7.0      7.0          NA          6.0         10.0
## 1174     7.0      7.0         5.0          7.0          9.0
## 1175      NA       NA          NA          6.0          9.0
## 1176     7.0      7.0         6.0          9.0          9.0
## 1177     9.0      8.0         7.0          8.0          9.0
## 1178     6.0      9.0         2.0          5.0          9.0
## 1179     1.0      3.0         2.0          6.0         10.0
## 1180     7.0      8.0         5.0          8.0          9.0
## 1181     6.0      7.0         6.0          9.0          9.0
## 1182     6.0      8.0         5.0          6.0          9.0
## 1183     8.0     10.0          NA          8.0         10.0
## 1184     6.0      9.0         4.0          9.0          9.0
## 1185     6.0      6.0         4.0          9.0          9.0
## 1186     6.0      8.0         3.0          8.0         10.0
## 1187     5.0      9.0         6.0          7.0         10.0
## 1188     6.0      8.0         7.0          7.0         10.0
```

```
## 1189    3.0     3.0      3.0       0.0      5.0
## 1190    4.0     5.0      4.0       8.0      8.0
## 1191    6.0     6.0       NA       5.0      5.0
## 1192    4.0     9.0      5.0       7.0      6.0
## 1193     NA    10.0       NA       6.0      6.0
## 1194    6.0     5.0      0.0       7.0      8.0
## 1195    2.0     4.0      2.0       5.0      8.0
## 1196    6.0     8.0      6.0       4.0      8.0
## 1197    2.0     2.0      2.0       5.0      7.0
## 1198    5.0     5.0      5.0       4.0      8.0
## 1199   10.0    10.0     10.0      10.0     10.0
## 1200    5.0     6.0      5.0       5.0      7.0
## 1201    3.0      NA      4.0       6.0      7.0
## 1202    6.0     6.0      2.0       6.0      7.0
## 1203    6.0     5.0      3.0       7.0      7.0
## 1204    6.0     8.0      3.0       6.0      7.0
## 1205    4.0      NA       NA       6.0      6.0
## 1206    4.0     5.0      7.0       6.0      9.0
## 1207    8.0     8.0      5.0       5.0      7.0
## 1208    7.0     8.0      7.0       5.0      6.0
## 1209    8.0     8.0      7.0       4.0      6.0
## 1210    8.0     9.0      6.0       6.0      7.0
## 1211     NA      NA       NA       6.0      9.0
## 1212    7.0     8.0      8.0       8.0      7.0
## 1213    9.0     9.0      8.0       6.0      7.0
## 1214    8.0      NA       NA       4.0      7.0
## 1215    8.0    10.0      7.0       4.0      6.0
## 1216    8.0     8.0      8.0       7.0      7.0
## 1217    6.0     8.0      6.0       7.0      7.0
## 1218    9.0     7.0      7.0       7.0     10.0
## 1219   10.0    10.0     10.0       5.0      7.0
## 1220    8.0     8.0      7.0       8.0      7.0
## 1221    9.0     8.0      4.0       9.0      7.0
## 1222    7.0     8.0      5.0       6.0      7.0
## 1223    7.0     8.0       NA       6.0      7.0
## 1224    5.0     6.0      6.0       5.0      8.0
## 1225    6.0     7.0      7.0       4.0      3.0
## 1226    7.0     4.0      5.0       4.0      8.0
## 1227    6.0      NA      5.0       3.0      9.0
## 1228    6.0     8.0      9.0      10.0     10.0
## 1229     NA      NA       NA       8.0      7.0
## 1230    5.0     7.0      7.0      10.0     10.0
## 1231    7.0     6.0      6.0       6.0      8.0
## 1232    7.0      NA       NA       6.0      9.0
## 1233    6.0     8.0      7.0       4.0      8.0
## 1234    6.0     6.0      6.0       8.0      7.0
## 1235    6.0     6.0      6.0       8.0      8.0
## 1236    7.0     6.0      6.0       7.0      8.0
## 1237    4.0     6.0       NA       7.0      8.0
## 1238    9.0     9.0      8.0       8.0      9.0
## 1239    6.0     8.0      2.0       8.0      9.0
## 1240    6.0     8.0      3.0       7.0      9.0
## 1241    8.0     7.0      5.0       6.0      9.0
## 1242    3.0     4.0      4.0       6.0      7.0
```

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## 1243     8.0     6.0         7.0         6.0         6.0
## 1244     8.0     5.0         6.0         7.0         8.0
## 1245     8.0      NA          NA         7.0         7.0
## 1246     8.0     7.0         8.0         8.0         7.0
## 1247      NA      NA          NA         6.0         6.0
## 1248     5.0     9.0         7.0         7.0         6.0
## 1249    10.0     8.0         7.0         7.0         7.0
## 1250     8.0      NA         7.0         7.0         6.0
## 1251     6.0     6.0         5.0         6.0         7.0
## 1252     8.0     7.0         6.0         7.0         7.0
## 1253     8.0     6.0         6.0         8.0         8.0
## 1254     7.0     6.0         5.0         7.0         7.0
## 1255     8.0     8.0         8.0         7.0         7.0
## 1256     9.5     9.5         9.0         7.0         7.0
## 1257     7.0     6.0         4.0         7.0         7.0
## 1258     7.0     7.0         3.0         7.0         7.0
## 1259     7.0     8.0         8.0         7.0         7.0
## 1260     5.0     5.0         5.0         7.0         7.0
## 1261    10.0     8.0          NA         6.0         6.0
## 1262    10.0     7.0         7.0         8.0         8.0
## 1263     2.0    10.0         2.0         7.0         5.0
## 1264     6.0     9.0         5.0         7.0         7.0
## 1265     7.0      NA         7.0         6.0         7.0
## 1266     8.0    10.0         6.0         9.0         8.0
## 1267    10.0     9.0         8.0         9.0         9.0
## 1268     6.0     9.0         8.0         7.0         7.0
## 1269    10.0     0.0         3.0         6.0         7.0
## 1270     1.0    10.0         1.0         7.0         7.0
## 1271     9.0     5.0          NA         6.0         8.0
## 1272     1.0     1.0         1.0         7.0         7.0
## 1273     1.0    10.0         4.0         7.0         6.0
## 1274     5.0     7.0         6.0         5.0         5.0
## 1275     0.0     9.0         0.0         5.0         6.0
## 1276     7.0     8.0          NA         9.0         8.0
## 1277     3.0     8.0         5.0         9.0         8.0
## 1278     7.0     8.0         6.0         7.0         9.0
## 1279     4.0     6.0          NA         6.0         6.0
## 1280     6.0     5.0         7.0         4.0         6.0
## 1281     4.0     9.0         6.0         5.0         6.0
## 1282     5.0     5.0         4.0         4.0         7.0
## 1283     8.0     9.0         8.0         5.0         8.0
## 1284     5.0     7.0         6.0         6.0         6.0
## 1285     5.0     7.0         4.0         4.0         6.0
## 1286     7.0     8.0         8.0         7.0         7.0
## 1287     5.0     5.0         4.0         5.0         7.0
## 1288     5.0     6.0         2.0         5.0         7.0
## 1289     7.0     7.0         6.0         8.0         8.0
## 1290     2.0     2.0         1.0         6.0         7.0
## 1291     2.0    10.0         5.0         6.0         7.0
## 1292     7.0     7.0         6.0         3.0         5.0
## 1293     8.0     6.0         4.0         3.0         8.0
## 1294     6.0     7.0          NA         7.0         7.0
## 1295     4.0     8.0         3.0         6.0         6.0
## 1296     7.0     7.0         7.0         5.0         7.0
```

```
## 1297    4.0    4.0        NA      6.0      7.0
## 1298    4.0    6.0       2.0      7.0      7.0
## 1299    2.0    9.0       2.0      6.0      6.0
## 1300    5.0    5.0       5.0      8.0      9.0
## 1301    7.0    8.0       7.0      6.0      7.0
## 1302    4.0    7.0       4.0      7.0      7.0
## 1303    8.0    9.0       7.0      7.0      8.0
## 1304    5.0    7.0       6.0      7.0      7.0
## 1305    6.0    6.0       5.0      7.0      7.0
## 1306    6.0    6.0       2.0      7.0      7.0
## 1307    4.0     NA        NA      8.0      8.0
## 1308    5.0    7.0       4.0      7.0      6.0
## 1309    2.0   10.0       3.0      7.0      7.0
## 1310    7.0    8.0       6.0      6.0      7.0
## 1311    5.0    6.0       7.0      6.0      8.0
## 1312    6.0    6.0       5.0      8.0      8.0
## 1313    6.0    9.0       5.0      7.0      7.0
## 1314    6.0    6.0       6.0      7.0      8.0
## 1315    8.0     NA        NA      4.0      6.0
## 1316    7.0    6.0       7.0      6.0      9.0
## 1317     NA     NA       2.0      8.0      7.0
## 1318    7.0    7.0       7.0      5.0      7.0
## 1319    8.0     NA       8.0      4.0      6.0
## 1320    8.0    7.0       6.0      7.0      7.0
## 1321    7.0    8.0       8.0      5.0      6.0
## 1322    7.0    7.0       6.0      7.0      6.0
## 1323    4.0    7.0       3.0      7.0      7.0
## 1324    7.0    5.0       4.0      6.0      6.0
## 1325    7.0    7.0       6.0      8.0      8.0
## 1326    6.0    7.0       3.0      8.0      8.0
## 1327    7.0   10.0       7.0      6.0      7.0
## 1328    8.0    9.0       5.0      8.0      8.0
## 1329    7.0    7.0       5.0      3.0      7.0
## 1330    6.0    7.0        NA      8.0      8.0
## 1331    8.0    9.0      10.0      8.0      7.0
## 1332    8.0     NA        NA      8.0      8.0
## 1333    2.0     NA        NA     10.0     10.0
## 1334    6.0    7.0       5.0     10.0     10.0
## 1335    2.0    9.0       2.0     10.0     10.0
## 1336    2.0    2.0       2.0     10.0     10.0
## 1337    6.0    6.0       5.0     10.0     10.0
## 1338    4.0    6.0       3.0     10.0     10.0
## 1339    7.0    8.0       6.0     10.0     10.0
## 1340    4.0    5.0       4.0     10.0     10.0
## 1341    2.0    2.0       2.0     10.0     10.0
## 1342    1.0    1.0       1.0     10.0     10.0
## 1343    5.0    5.0       5.0     10.0     10.0
## 1344    5.0    9.0       7.0     10.0     10.0
## 1345    3.0   10.0      10.0     10.0     10.0
## 1346    6.0    7.0       5.0     10.0     10.0
## 1347    5.0    4.0       3.0     10.0     10.0
## 1348    5.0    8.0       3.0     10.0     10.0
## 1349    3.0    8.0       6.0     10.0     10.0
## 1350    6.0    6.0       5.0     10.0     10.0
```

```
## 1351    6.0      8.0         NA          4.0        7.0
## 1352    7.0      9.0         9.0         8.0        8.0
## 1353    9.0      NA          9.0         4.0        4.0
## 1354    7.0      7.0         7.0         6.0        7.0
## 1355    8.0      7.0         7.0         5.0        4.0
## 1356    7.0      9.0         8.0         8.0        7.0
## 1357   10.0     10.0        10.0         4.0        8.0
## 1358    8.0      8.0         7.0         6.0        7.0
## 1359    7.0      5.0         7.0         4.0        6.0
## 1360    6.0      6.0         5.0         5.0        7.0
## 1361    5.0      5.0         5.0         5.0        8.0
## 1362    7.0      8.0         7.0         8.0        8.0
## 1363    8.0     10.0         8.0         6.0        7.0
## 1364    9.0      9.0         9.0         9.0        8.0
## 1365    6.0      5.0         4.0         6.0        8.0
## 1366    8.0      8.0         NA          9.0        8.0
## 1367   10.0      9.0         9.0         6.0        7.0
## 1368    7.0      7.0         6.0         5.0        5.0
## 1369    NA       NA          NA          4.0        7.0
## 1370    4.0      NA          NA          8.0        7.0
## 1371    4.0      NA          NA          8.0        8.0
## 1372    6.0      6.0         4.0         4.0        8.0
## 1373    7.0      8.0         7.0         6.0        9.0
## 1374    6.0      7.0         5.0         9.0        8.0
## 1375    9.0     10.0         8.0         6.0        9.0
## 1376    4.0      5.0         3.0         5.0        9.0
## 1377    4.0      7.0         5.0         5.0        8.0
## 1378    5.0      8.0         3.0         7.0        9.0
## 1379    5.0      5.0         5.0         8.0       10.0
## 1380    5.0      9.0         5.0         6.0        8.0
## 1381    6.0     10.0         9.0         7.0        8.0
## 1382   10.0      9.0         9.0         9.0        8.0
## 1383    6.0      7.0         4.0         8.0        7.0
## 1384    7.0      7.0         NA          9.0        7.0
## 1385    4.0      9.0         5.0         9.0        8.0
## 1386    7.0      7.0         7.0         8.0        9.0
## 1387    NA       NA          NA          7.0        7.0
## 1388    3.0      NA          2.0         7.0        NA
## 1389    2.0      9.0         2.0         7.0        NA
## 1390    5.0      5.0         5.0         6.0        8.0
## 1391    6.0      8.0         6.0         6.0        8.0
## 1392    2.0      9.0         2.0         8.0        8.0
## 1393    8.0      8.0         7.0         9.0        8.0
## 1394    7.0      8.0         6.0         8.0        8.0
## 1395    2.0      2.0         5.0         8.0        9.0
## 1396    4.0      8.0         3.0         7.0        7.0
## 1397    5.0      7.0         4.0         9.0        8.0
## 1398    2.0      4.0         1.0         8.0        6.0
## 1399    3.0     10.0         2.0         8.0        8.0
## 1400    6.0      6.0         6.0         8.0        9.0
## 1401    4.0      5.0         4.0         6.0        9.0
## 1402    5.0      7.0         4.0         8.0        7.0
## 1403    8.0      9.0         8.0         9.0        8.0
## 1404    6.0      7.0         6.0         9.0        8.0
```

```
## 1405     1.0      NA         3.0         5.0         7.0
## 1406     7.0      4.0        6.0         4.0         5.0
## 1407      NA       NA        8.0         5.0         5.0
## 1408     2.0      2.0        2.0         4.0         4.0
## 1409     8.0      8.0        9.0        10.0         9.0
## 1410     1.0      7.0        1.0        10.0         9.0
## 1411     6.0      8.0        6.0         6.0         5.0
## 1412     6.0      7.0        4.0        10.0         9.0
## 1413     3.0      7.0        3.0         9.0         8.0
## 1414     6.0      5.0        3.0         5.0         6.0
## 1415     5.0      5.0        4.0         6.0         8.0
## 1416     5.0      4.0        2.0         8.0         6.0
## 1417     1.0     10.0        1.0         5.0         5.0
## 1418     6.0      7.0        5.0         3.0         7.0
## 1419     5.0      6.0        5.0         3.0         7.0
## 1420     6.0      5.0        3.0         7.0         7.0
## 1421     7.0      8.0        6.0         7.0         8.0
## 1422     6.0      7.0        6.0         7.0         7.0
## 1423      NA     10.0         NA         6.0         8.0
## 1424    10.0      8.0        7.0         6.0         7.0
## 1425      NA       NA         NA         6.0         7.0
## 1426     5.0      5.0        5.0         5.0         7.0
## 1427     8.0      8.0        8.0         7.0         8.0
## 1428     6.0      7.0        6.0         8.0         8.0
## 1429     8.0      9.0        7.0         6.0         7.0
## 1430     8.0      8.0        8.0         8.0         8.0
## 1431     5.0      5.0        5.0         7.0         7.0
## 1432     6.0      6.0        3.0         6.0         7.0
## 1433     5.0      5.0        3.0         6.0         7.0
## 1434     4.0      7.0        1.0         8.0         7.0
## 1435     6.0     10.0        3.0         7.0         6.0
## 1436     7.0      8.0        5.0         8.0         7.0
## 1437     6.0      4.0        4.0         6.0         7.0
## 1438     7.0      7.0         NA         8.0         8.0
## 1439     5.0      8.0        5.0         6.0         6.0
## 1440     7.0      7.0        7.0         6.0         7.0
## 1441     5.0       NA         NA         6.0         8.0
## 1442     5.0      5.0        6.0         6.0         6.0
## 1443     9.0      9.0        5.0         6.0         8.0
## 1444     8.0      6.0        7.0         6.0         8.0
## 1445     6.0      8.0        7.0         6.0         9.0
## 1446     8.0      4.0        7.0         8.0         6.0
## 1447     7.0      8.0        7.0         7.0         8.0
## 1448     6.0      6.0        6.0         7.0         6.0
## 1449     5.0      5.0        2.0         6.0         6.0
## 1450     7.0      9.0        5.0         6.0         8.0
## 1451     8.0      5.0        7.0         7.0         7.0
## 1452     5.0      5.0        2.0         7.0         6.0
## 1453     5.0      8.0        3.0         6.0         6.0
## 1454     8.0      8.0        7.0         7.0         7.0
## 1455    10.0     10.0        7.0        10.0        10.0
## 1456     7.0      7.0         NA         8.0         7.0
## 1457     7.0      8.0        7.0         9.0         8.0
## 1458     8.0      8.0        8.0         7.0         8.0
```

```
## 1459    8.0     NA      NA      7.0     7.0
## 1460   10.0     9.0     8.0     8.0     7.0
## 1461    7.0     9.0     7.0     5.0     8.0
## 1462    6.0     6.0     6.0     5.0     9.0
## 1463    9.0     8.0     8.0     6.0     9.0
## 1464    8.0     2.0     7.0     8.0     7.0
## 1465   10.0     9.0     8.0     8.0     7.0
## 1466    8.0     8.0     8.0     8.0     9.0
## 1467    8.0     7.0     5.0     7.0     9.0
## 1468    6.0     6.0     2.0     7.0     7.0
## 1469    8.0     8.0     6.0     8.0     8.0
## 1470    7.0     9.0     4.0     8.0     7.0
## 1471   10.0    10.0     8.0     7.0     8.0
## 1472    7.0     7.0     5.0     7.0     8.0
## 1473    7.0     7.0     6.0     6.0     7.0
## 1474   10.0    10.0    10.0     8.0     8.0
## 1475    9.0     8.0     8.0     8.0     7.0
## 1476    7.0     7.0     6.0     8.0     7.0
## 1477    6.0     6.0      NA     8.0     3.0
## 1478    5.0     6.0     4.0     7.0     5.0
## 1479     NA      NA      NA    10.0    10.0
## 1480    5.0     5.0     5.0     8.0    10.0
## 1481    8.0     8.0      NA     8.0    10.0
## 1482    9.0     8.0     3.0     9.0     5.0
## 1483    8.0     9.0     7.0     6.0    10.0
## 1484    8.0     8.0     8.0    10.0    10.0
## 1485    6.0     5.0     5.0    10.0    10.0
## 1486    6.0     8.0     2.0     6.0    10.0
## 1487    7.0     7.0     6.0     8.0     6.0
## 1488    4.0     7.0     3.0     7.0     3.0
## 1489    2.0     2.0     3.0     8.0    10.0
## 1490    9.0    10.0     5.0     8.0     8.0
## 1491    8.0     7.0     5.0     6.0    10.0
## 1492    7.0     7.0      NA    10.0    10.0
## 1493    8.0     8.0     7.0     6.0    10.0
## 1494    7.0     7.0     7.0     9.0    10.0
## 1495   10.0      NA     8.0     9.0     9.0
## 1496   10.0     9.0    10.0     6.0     8.0
## 1497    9.0     9.0     9.0     6.5     7.0
## 1498    7.0     5.0     6.0     6.0     8.0
## 1499    8.0     9.0     8.0     6.0     8.0
## 1500    8.0     6.0     4.0    10.0     9.0
## 1501   10.0     8.0     9.0     8.0     8.0
## 1502    7.0     5.0     8.0     9.0    10.0
## 1503    5.0     7.0     6.0     7.0     7.0
## 1504    5.0     6.0     5.0     8.0     8.0
## 1505    6.0     6.0     8.0     8.0     8.0
## 1506    9.0     8.0     8.0     9.0     9.0
## 1507   10.0    10.0     6.0     9.0     9.0
## 1508   10.0     7.0     6.0     8.0     7.0
## 1509    7.0     8.0     6.0     7.0     8.0
## 1510    8.0      NA      NA     8.0     9.0
## 1511   10.0     9.0     9.0     9.0     9.0
## 1512    7.0     7.0     6.0     7.5     8.5
```

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## 1513     5.0      8.0          8.0           7.0          7.0
## 1514     9.0      6.0          5.0           9.0          6.0
## 1515     2.0      2.0          2.0           7.0          7.0
## 1516     6.0      6.0          6.0           7.0          8.0
## 1517     8.0      8.0          8.0           6.0          8.0
## 1518     8.0      7.0          7.0           8.0          7.0
## 1519    10.0      8.0         10.0           6.0          7.0
## 1520     6.0      7.0          5.0           6.0          7.0
## 1521     7.0      7.0          6.0           7.0          8.0
## 1522     4.0      6.0          1.0           7.0          7.0
## 1523     7.0     10.0          5.0           8.0          6.0
## 1524     6.0      7.0          5.0           7.0          7.0
## 1525     5.0     10.0          8.0           8.0          9.0
## 1526    10.0      8.0          7.0           6.0          5.0
## 1527     6.0      4.0          5.0           6.0          8.0
## 1528     7.0      6.0          7.0           8.0          7.0
## 1529     9.0      8.0          9.0           8.0          7.0
## 1530     7.0      7.0          6.0           8.0          8.0
## 1531    10.0      7.0           NA           8.0         10.0
## 1532     6.0      7.0          7.0           7.0         10.0
## 1533     6.0     10.0          6.0           7.0         10.0
## 1534     5.0      5.0          5.0           7.0         10.0
## 1535     8.0      8.0          8.0           7.0         10.0
## 1536     8.0      8.0          7.0           8.0         10.0
## 1537     8.0      8.0          8.0           7.0         10.0
## 1538     9.0      6.0          8.0           7.0         10.0
## 1539     6.0      5.0          5.0           7.0         10.0
## 1540     5.0      6.0          2.0           7.0         10.0
## 1541     7.0      5.0          7.0           7.0         10.0
## 1542     8.0      8.0          4.0           7.0         10.0
## 1543    10.0     10.0         10.0           7.0         10.0
## 1544     8.0      8.0          6.0           8.0         10.0
## 1545     5.0      6.0          7.0           7.0         10.0
## 1546     8.0      8.0           NA          10.0         10.0
## 1547     7.0      9.0          7.0           9.0         10.0
## 1548     6.0      7.0          6.0           7.0         10.0
## 1549     7.0      6.0           NA           6.0          6.0
## 1550     9.0      9.0          8.0           6.0          7.0
## 1551     2.0       NA          8.0           5.0          5.0
## 1552     4.0      4.0          4.0           5.0          8.0
## 1553     8.0      8.0          8.0           6.0          8.0
## 1554     6.0      7.0          6.0           5.0          5.0
## 1555     9.0      8.0          6.0           6.0          8.0
## 1556     4.0      8.0          6.0           7.0          8.0
## 1557     4.0      9.0          4.0           8.0          6.0
## 1558     7.0      5.0          3.0           6.0          8.0
## 1559     7.0      7.0          8.0           7.0          8.0
## 1560     7.0      5.0          2.0           7.0          8.0
## 1561    10.0     10.0          8.0           6.0          8.0
## 1562    10.0      7.0          6.0           5.0          7.0
## 1563     7.0      8.0          7.0           5.0          6.0
## 1564     8.0      8.0           NA           8.0          8.0
## 1565     8.0      8.0          5.0           9.0           NA
## 1566     6.0      6.0          6.0           5.0          7.0
```

```
## 1567     NA      NA       NA      3.0      4.0
## 1568    4.0     5.0      2.0      6.0      7.0
## 1569     NA     9.0       NA      4.0      4.0
## 1570    6.0     6.0      6.0      3.0      6.0
## 1571    8.0     9.0      8.0      5.0      5.0
## 1572    6.0     7.0      5.0      4.0      4.0
## 1573    8.0     8.0      7.0      5.0      6.0
## 1574    8.0     7.0      8.0      3.0      7.0
## 1575    4.0     5.0      4.0      2.0      6.0
## 1576    2.0     6.0      1.0      3.0      8.0
## 1577    5.0     5.0       NA      5.0      6.0
## 1578    7.0     7.0      3.0      7.0      6.0
## 1579   10.0    10.0      7.0      6.0      6.0
## 1580    9.0     9.0      6.0      7.0      7.0
## 1581    6.0     6.0      8.0      3.0      8.0
## 1582    7.0     7.0       NA      8.0      7.0
## 1583    7.0     8.0      5.0      7.0      6.0
## 1584    7.0     7.0      7.0      5.0      7.0
## 1585    9.0     9.0      9.0      7.0      7.0
## 1586    6.0     4.0      5.0      4.0      8.0
## 1587    4.0     4.0      5.0      5.0      1.0
## 1588    9.0     8.0      7.0      7.0      7.0
## 1589    6.0     6.0      6.0      5.0      7.0
## 1590   10.0     8.0     10.0     10.0      6.0
## 1591    9.0     9.0      7.0      9.0     10.0
## 1592    5.0     5.0      5.0      2.0      7.0
## 1593   10.0    10.0     10.0      8.0     10.0
## 1594    4.0     4.0      5.0      5.0      9.0
## 1595    5.0     5.0      8.0      5.0      9.0
## 1596    7.0     7.0      6.0     10.0      9.0
## 1597    9.0     8.0      6.0      6.0      9.0
## 1598    5.0     5.0      5.0      9.0      9.0
## 1599    8.0     8.0      8.0      6.0     10.0
## 1600    5.0     5.0      5.0      4.0      9.0
## 1601    7.0     7.0      7.0      7.0      6.0
## 1602    5.0     4.0      5.0      8.0      7.0
## 1603    7.0     7.0      7.0      4.0      3.0
## 1604    6.0     7.0      5.0      7.0      5.0
## 1605    6.0     7.0      7.0      5.0      6.0
## 1606    2.0     5.0      2.0      2.0      3.0
## 1607    8.0     8.0      7.0      8.0      6.0
## 1608    5.0     5.0      5.0      5.0      6.0
## 1609   10.0    10.0     10.0     10.0     10.0
## 1610    4.0     5.0      4.0      6.0     10.0
## 1611    4.0     4.0      6.0      2.0     10.0
## 1612   10.0     9.0     10.0     10.0     10.0
## 1613    6.0     6.0      5.0      6.0     10.0
## 1614   10.0     7.0      8.0      8.0      5.0
## 1615   10.0     8.0      7.0      9.0     10.0
## 1617   10.0    10.0     10.0     10.0     10.0
## 1618    4.0     4.0      6.0      7.0     10.0
## 1619    2.0     5.0      4.0      4.0      4.0
## 1620   10.0    10.0     10.0     10.0      8.0
## 1621    9.0     7.0      7.0      6.0      9.0
```

```
## 1622      7.0       5.0            5.0                8.0            6.0
## 1623      7.0       8.0            6.0                7.0            8.0
## 1624      5.0       5.0            5.0                4.0            8.0
## 1625     10.0      10.0           10.0               10.0           10.0
## 1626      6.0       5.0            6.0                7.0           10.0
## 1627      5.0       5.0            5.0                4.0            8.0
## 1628     10.0      10.0           10.0               10.0           10.0
## 1629      7.0       7.0            8.0                6.0           10.0
## 1630      8.0      10.0            6.0                8.0            6.0
## 1631      9.0       7.0            7.0                7.0            8.0
## 1633      7.0       8.0            7.0                3.0            8.0
## 1634      6.0       7.0            7.0                 NA            6.0
## 1635      5.0       3.0            2.0                4.0            9.0
## 1636      6.0       6.0            7.0                6.0            8.0
## 1637      9.0       7.0            7.0                5.0            4.0
## 1638      6.0       7.0            3.0                8.0           10.0
## 1639      7.0       8.0            8.0                5.0            7.0
## 1640      6.0       6.0            6.0                2.0            7.0
## 1641      7.0       7.0            7.0                7.0            8.0
## 1642      5.0       7.0            4.0                5.0            8.0
## 1643      6.0       8.0            7.0                2.0            1.0
## 1644      8.0       7.0            7.0                6.0            8.0
## 1645      7.0       6.0            8.0                8.0           10.0
## 1646      8.0       5.0            6.0                9.0            4.0
## 1647     10.0       8.0            7.0                8.0            7.0
## 1648      6.0       6.0            2.0                7.0            8.0
## 1649      7.0       6.0            6.0                8.0           10.0
## 1650      4.0       5.0            4.0                9.0           10.0
## 1651      6.0       7.0            7.0                4.0            6.0
## 1652      5.0       4.0            2.0                6.0           10.0
## 1653      6.0       6.0            5.0                8.0            7.0
## 1654      0.0       5.0            0.0                4.0            4.0
## 1655      7.0       8.0            7.0                9.0           10.0
## 1656      6.0       7.0            2.0                7.0           10.0
## 1657      9.0       7.0            8.0                9.0            9.0
## 1658     10.0       5.0            5.0               10.0           10.0
## 1659      7.0       4.0            4.0                6.0           10.0
## 1660     10.0      10.0           10.0               10.0           10.0
## 1661     10.0      10.0           10.0               10.0           10.0
## 1662     10.0      10.0           10.0               10.0           10.0
## 1663      5.0       5.0             NA                9.0            9.0
## 1664      8.0       8.0            5.0                6.0            7.0
## 1665      7.0       7.0            8.0                6.0            9.0
## 1666      4.0       9.0            3.0                9.0            7.0
## 1667      5.0       5.0            2.0                6.0            5.0
## 1668      6.0       5.0            4.0                4.0            6.0
## 1669      7.0       6.0            5.0                4.0            5.0
## 1670      8.0       8.0            6.0                6.0            5.0
## 1671      7.0       8.0            4.0                6.0            6.0
## 1672      8.0       9.0            4.0                6.0            4.0
## 1673      2.0       2.0            2.0                9.0            6.0
## 1674      5.0      10.0            9.0                5.0            4.0
## 1675      2.0       8.0            1.0                6.0            7.0
## 1676      1.0      10.0            1.0                7.0            6.0
```

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## 1677    2.0     9.0          3.0          5.0          6.0
## 1678    2.0    10.0          2.0          6.0          2.0
## 1679    2.0    10.0          0.0          5.0          4.0
## 1680    5.0     9.0          3.0          8.0          7.0
## 1681     NA     8.0           NA          9.0          8.0
## 1682    1.0     6.0          0.0          7.0          5.0
## 1683    6.0     6.0          1.0          2.0          7.0
## 1684    8.0     7.0          8.0          9.0          8.0
## 1685   10.0    10.0          7.0          8.0          8.0
## 1686    6.0     5.0          3.0          5.0          8.0
## 1687   10.0    10.0         10.0         10.0         10.0
## 1688    9.0     8.0          8.0         10.0         10.0
## 1689   10.0    10.0         10.0         10.0          5.0
## 1690    9.0     8.0          6.0          8.0          8.0
## 1691    6.0     8.0          5.0          9.0          8.0
## 1692    8.0     8.0          4.0          4.0          6.0
## 1693    6.0     8.0          7.0          7.0          8.0
## 1694    7.0     7.0          6.0          6.0          8.0
## 1695    5.0     5.0          7.0          6.0          7.0
## 1696    8.0    10.0          6.0          5.0          7.0
## 1697    7.0     9.0          4.0          7.0          6.0
## 1698    7.0     8.0          6.0          7.0          7.0
## 1699    7.0     6.0           NA          6.0          9.0
## 1700    7.0     8.0          6.0          7.0          7.0
## 1701    7.0    10.0          9.0          4.0          8.0
## 1702    8.0     8.0          8.0         10.0          7.0
## 1703   10.0     7.0          8.0          5.0          5.0
## 1704    2.0     6.0          2.0          5.0          7.0
## 1705    9.0    10.0          8.0          7.0          3.0
## 1706    7.0     5.0          6.0          7.0          7.0
## 1707    6.0     8.0          5.0          7.0          7.0
## 1708   10.0     8.0          7.0          9.0          8.0
## 1709    2.0     2.0          1.0          8.0          5.0
## 1710    1.0     1.0          1.0          5.0          8.0
## 1711    8.0     7.0          9.0         10.0          9.0
## 1712    8.0     7.0          4.0          7.0          9.0
## 1713    8.0     7.0          5.0          7.0          9.0
## 1714    8.0     8.0          7.0          9.0          7.0
## 1715    6.0     6.0          3.0          7.0          7.0
## 1716    6.0     6.0          6.0          8.0          8.0
## 1717     NA      NA           NA          9.0          8.0
## 1718    6.0     5.0          2.0          8.0          8.0
## 1719    5.0     7.0          4.0          6.0          9.0
## 1720    2.0     5.0          1.0          5.0          5.0
## 1721    3.0     6.0          2.0          5.0          5.0
## 1722    5.0     3.0          3.0          5.0          5.0
## 1724    3.0     7.0          0.0          5.0          5.0
## 1726    2.0      NA          1.0          6.0          6.0
## 1727    5.0     7.0          2.0          6.0          6.0
## 1728    8.0    10.0          1.0          7.0          5.0
## 1729    8.0     9.0          7.0          7.0          9.0
## 1730    6.0     6.0          4.0          8.0          8.0
## 1731    8.0     7.0           NA          5.0          7.0
## 1732    7.0     7.0          7.0          8.0          9.0
```

```
## 1733    7.0     7.0         8.0          5.0          8.0
## 1734    6.0     7.0         5.0          7.0          7.0
## 1735    9.0     8.0         1.0          7.0          6.0
## 1736    6.0     8.0          NA          6.0          5.0
## 1737    6.0     8.0         6.0          8.0          7.0
## 1738    9.0     6.0         5.0          5.0          6.0
## 1739    8.0     8.0         7.0          8.0          9.0
## 1740    2.0     7.0         1.0          7.0          8.0
## 1741    7.0     6.0          NA          7.0          7.0
## 1742    7.0     7.0          NA          8.0          9.0
## 1743    7.0     6.0         5.0          6.0          5.0
## 1744    7.0     7.0         6.0          8.0          5.0
## 1745    1.0     7.0         1.0          8.0          8.0
## 1746    6.0     5.0          NA          7.0          8.0
## 1747    7.0     7.0         7.0          8.0          8.0
## 1748    8.0     6.0         5.0          7.0           NA
## 1749    9.0     6.0         9.0          8.0          8.0
## 1750    8.0     6.0         8.0          6.0         10.0
## 1751    9.0    10.0         8.0          9.0          9.0
## 1752     NA      NA         5.0          7.0          8.0
## 1753    8.0     8.0         8.0          8.0          7.0
## 1754    7.0     8.0         6.0          3.0          8.0
## 1755    8.0     7.0         8.0          3.0          8.0
## 1756     NA      NA         2.0          4.0          6.0
## 1757    5.0     9.0         5.0          8.0           NA
## 1758    6.0     6.0         7.0          6.0          8.0
## 1759    5.0     8.0         5.0          7.0          9.0
## 1760    8.0     4.0         6.0          6.0           NA
## 1761    9.0     9.0         8.0          7.0          7.0
## 1762    8.0     8.0         7.0          5.0          9.0
## 1763    9.0    10.0         7.0          6.5          8.0
## 1764    8.0      NA          NA          6.5          8.0
## 1765    8.0     7.0         7.0          8.0          7.0
## 1766    7.0     5.0         6.0          6.0         10.0
## 1767    5.0     6.0         4.0          7.0          8.0
## 1768    8.0     8.0          NA          8.0          9.0
## 1769    7.0     7.0         5.0          4.0          5.0
## 1770    6.0      NA         4.0          5.0         10.0
## 1771    7.0     9.0          NA          8.0          8.0
## 1772    7.0     6.0         4.0         10.0         10.0
## 1773    6.0     6.0         5.0          8.0         10.0
## 1774    5.0     6.0         5.0          6.0          8.0
## 1775    7.0      NA          NA          8.0          9.0
## 1776    7.0     8.0         6.0          6.0          8.0
## 1777    4.0      NA          NA          8.0          6.0
## 1778    6.0     4.0         4.0          8.0          8.0
## 1779    7.0     7.0         8.0          6.0          9.0
## 1780    8.0     7.0         8.0         10.0         10.0
## 1781    7.0     5.0         7.0          4.0          7.0
## 1782    9.0     8.0         7.0          4.0         10.0
## 1783    7.0     7.0         6.0          8.0          7.0
## 1784    7.0     5.0         5.0          6.0          4.0
## 1785    6.0     8.0         7.0          5.0          6.0
## 1786    5.0     4.0         4.0          4.0          6.0
```

```
## 1787    5.0     8.0         3.0          5.0        5.0
## 1788    5.0    10.0         6.0          5.0        6.0
## 1789    2.0     7.0         2.0          6.0        7.0
## 1790    6.0     6.0         4.0          9.0        8.0
## 1791    5.0      NA          NA          8.0        7.0
## 1792    6.0     8.0         4.0         10.0        9.0
## 1793    5.0      NA          NA          9.0        8.0
## 1794    4.0     5.0         2.0          5.0        6.0
## 1795    6.0     6.0         6.0          7.0        8.0
## 1796    8.0     8.0         8.0          8.0        9.0
## 1797    5.0     7.0         3.0          5.0        5.0
## 1798    6.0     7.0         9.0          8.0        9.0
## 1799    2.0     8.0         1.0          8.0        8.0
## 1800    4.0     5.0         5.0          7.0        5.0
## 1801    7.0     7.0         8.0          4.0        6.0
## 1802    8.0     7.0         9.0          4.0        7.0
## 1803    9.0     9.0         7.0          7.0        8.0
## 1804    9.0     3.0         1.0          8.0        8.0
## 1805    7.0     7.0         5.0          7.0        7.0
## 1806    6.0     6.0         5.0          6.0        7.0
## 1807    7.0     6.0         5.0          8.0        8.0
## 1808    8.0     7.0         6.0          7.0        6.0
## 1809    9.0      NA          NA          7.0        8.0
## 1810    4.0     5.0         6.0          6.0        7.0
## 1811    8.0     8.0         8.0          5.0        5.0
## 1812    9.0     7.0         9.0          7.0        7.0
## 1813     NA      NA          NA          5.0        7.0
## 1814    9.0     8.0        10.0          5.0        7.0
## 1815    5.0     6.0         4.0          5.0        8.0
## 1816    6.0     6.0         5.0          6.0        7.0
## 1817    7.0     7.0         8.0          7.0       10.0
## 1818    7.0     7.0         9.0          7.0       10.0
## 1819    4.0    10.0         3.0          8.0       10.0
## 1820    7.0     5.0         3.0         10.0        9.0
## 1821    7.0     6.0         5.0          9.0        9.0
## 1822    8.0     5.0         3.0          9.0        9.0
## 1823    8.0      NA         7.0          9.0       10.0
## 1824    6.0     8.0         5.0          8.0        8.0
## 1825    6.0      NA          NA          7.0        7.0
## 1826    4.0     5.0         5.0         10.0        9.0
## 1827    7.0     7.0         7.0          6.0        9.0
## 1828    8.0     9.0         8.0          9.0        7.0
## 1829    6.0     6.0         8.0          8.0       10.0
## 1830    5.0     8.0         3.0          9.0        9.0
## 1831    2.0     4.0         2.0          9.0        9.0
## 1832    5.0     5.0         5.0          8.0       10.0
## 1833    7.0     7.0         8.0          4.0        6.0
## 1834    5.0     6.0          NA          5.0        7.0
## 1835    6.0     7.0          NA          8.0       10.0
## 1836    4.0     5.0         5.0          6.0        8.0
## 1837    3.0     6.0         3.0          5.0        5.0
## 1838    6.0     7.0         7.0          6.0        8.0
## 1839    8.0     8.0         8.0         10.0        9.0
## 1840    7.0     7.0         7.0          8.0        8.0
```

```
## 1841    7.0       NA        NA          5.0        8.0
## 1842    2.0       5.0       3.0         5.0        7.0
## 1843    6.0       6.0       3.0         6.0        8.0
## 1844    7.0       8.0       7.0         8.0        8.0
## 1845    6.0       6.0       5.0         6.0        8.0
## 1846    6.0       7.0       7.0         8.0        8.0
## 1847    1.0       3.0       1.0         8.0        8.0
## 1848    5.0       5.0       4.0         6.0        8.0
## 1849    9.0       8.0       6.0         5.0        5.0
## 1850    6.0       6.0       3.0         5.0        6.0
## 1851    8.0       8.0       7.0         8.0        6.0
## 1852   10.0       6.0       6.0         7.0        6.0
## 1853    8.0       7.0       5.0         5.0        6.0
## 1854    8.0       7.0       8.0         7.0        8.0
## 1855    8.0       6.0       5.0         6.0        8.0
## 1856   10.0       8.0       5.0         7.0        7.0
## 1857    9.0       NA        NA          8.0        8.0
## 1858    8.0       2.0       4.0         6.0        6.0
## 1859    7.0       5.0       7.0         4.0        8.0
## 1860    9.0       8.0       NA          8.0        7.0
## 1861    6.0       6.0       7.0         4.0        7.0
## 1862    9.0       7.0       4.0         4.0        7.0
## 1863    7.0       8.0       6.0         8.0       10.0
## 1864    6.0       6.0       4.0         6.0        8.0
## 1865    7.0       7.0       7.0         4.0        8.0
## 1866    5.0       5.0       NA          3.0        8.0
## 1867    8.0       8.0       7.0         7.0        5.0
## 1868    5.0       7.0       5.0         5.0        8.0
## 1869    7.0       6.0       7.0         6.0        8.0
## 1870    7.0       6.0       5.0         7.0        9.0
## 1871    NA        NA        NA          4.0        6.0
## 1872    6.0       9.0       5.0         6.0        7.0
## 1873    8.0       8.0       NA          7.0        8.0
## 1874    5.0       4.0       3.0         3.0        8.0
## 1875    6.0       6.0       5.0         2.0        8.0
## 1876    NA        9.0       NA          8.0        8.0
## 1877    5.0       8.0       5.0         3.0        8.0
## 1878    6.0       8.0       6.0         4.0        8.0
## 1879    9.0       8.0       4.0         7.0        8.0
## 1880    7.0       6.0       5.0         7.0        9.0
## 1881    8.0       7.0       6.0         6.0        7.0
## 1882    7.0       7.0       6.0         4.0        7.0
## 1883    6.0       8.0       NA          9.0        7.0
## 1884    5.0       8.0       7.0         8.0        6.0
## 1885    7.0       7.0       5.0         4.0        8.0
## 1886    7.0       7.0       6.0         5.0        6.0
## 1887    6.0       NA        NA          3.0        7.0
## 1888    7.0       6.0       5.0         8.0        7.0
## 1889    7.0       NA        NA          8.0        5.0
## 1890    5.0       4.0       4.0         4.0        6.0
## 1891    6.0       6.0       6.0         4.0        7.0
## 1892    8.0       8.0       8.0         8.0        7.0
## 1893    6.0       6.0       6.0         4.0        8.0
## 1894    6.0       9.0      10.0         6.0        8.0
```

```
## 1895     5.0      6.0           7.0           7.0           7.0
## 1896     8.0      7.0           8.0           5.0           8.0
## 1897     7.0      7.0           7.0           5.0           5.0
## 1898     8.0      8.0           5.0           5.0           8.0
## 1899     8.0      8.0           3.0           9.0           7.0
## 1900     8.0      6.0           5.0           8.0           5.0
## 1901     5.0      6.0           3.0           6.0           6.0
## 1902     8.0      8.0           5.0           7.0           7.0
## 1903     9.0       NA           9.0           8.0           7.0
## 1904     8.0      8.0           7.0           9.0           8.0
## 1905     8.0      9.0            NA           6.0           5.0
## 1906     7.0      5.0           4.0           7.0           7.0
## 1907     7.0      7.0           7.0           7.0           8.0
## 1908     7.0      9.0           8.0           9.0           9.0
## 1909     7.0      6.0           7.0           5.0           6.0
## 1910     7.0      8.0           5.0           6.0           7.0
## 1911     4.0      6.0           3.0           6.0           7.0
## 1912     7.0      7.0           5.0           6.0           8.0
## 1913     9.0      7.0           6.0           4.0           5.0
## 1914     7.0      7.0            NA           3.0           7.0
## 1915     8.0      7.0           8.0           8.0           6.0
## 1916     9.0      8.0           5.0           9.0           7.0
## 1917     7.0      6.0           9.0           9.0           8.0
## 1918     7.0      6.0           5.0           7.0           5.0
## 1919     9.0       NA            NA           6.0           8.0
## 1920    10.0      7.0           3.0           8.0           5.0
## 1921     8.0       NA            NA           6.0           4.0
## 1922     4.0      3.0           4.0           6.0           3.0
## 1923     7.0      8.0           7.0           6.0           3.0
## 1924     9.0      8.0           7.0           7.0           8.0
## 1925     8.0      7.0           5.0           3.0           8.0
## 1926     8.0      7.0           6.0           5.0           7.0
## 1927     6.0      8.0           6.0           7.0           8.0
## 1928     8.0      7.0           7.0           8.0           7.0
## 1929     7.0      7.0           6.0           6.0           7.0
## 1930     5.0       NA           3.0           4.0           6.0
## 1931     6.0      9.0           3.0           6.0           8.0
## 1932     6.0      5.0           2.0           8.0           8.0
## 1933     5.0      6.0           4.0           5.0           6.0
## 1934     6.0      7.0           5.0           7.0           8.0
## 1935      NA       NA            NA           6.0           8.0
## 1936     5.0      9.0           5.0           8.0           8.0
## 1937     5.0       NA            NA           5.0           5.0
## 1938     6.0      5.0           3.0           7.0           9.0
## 1939     7.0      7.0           6.0           4.0           7.0
## 1940     7.0      8.0           6.0           8.0           9.0
## 1941     5.0      6.0           5.0           4.0           6.0
## 1942     5.0      7.0           4.0           6.0           7.0
## 1943     4.0      6.0           3.0           6.0           8.0
## 1944     5.0      5.0           5.0           5.0           8.0
## 1945     6.0      7.0           6.0           6.0           6.0
## 1946     6.0      6.0           5.0           5.0           5.0
## 1947     6.0      7.0           2.0           5.0           6.0
## 1948     6.0      5.0           3.0           7.0           7.0
```

```
## 1949    3.0       7.0           3.0              5.0             5.0
## 1950    8.0       8.0           6.0              8.0             8.0
## 1951    6.0        NA           6.0              6.0             6.0
## 1952    6.0       7.0           5.0              5.0             5.0
## 1953    4.0        NA            NA              4.0             4.0
## 1954    5.0       6.0           4.0              5.0             6.0
## 1955    6.0       6.0           5.0              5.0             6.0
## 1956    7.0       8.0           6.0              7.0             7.0
## 1957    6.0       5.0           7.0              5.0             5.0
## 1958    6.0       7.0           4.0              6.0             6.0
## 1959    2.0        NA           1.0              6.0             5.0
## 1960    5.0       5.0           5.0              5.0             5.0
## 1961    8.0       7.0           6.0              5.0             8.0
## 1962    7.0       8.0           6.0              6.0             8.0
## 1963    7.0       8.0           7.0              9.0             9.0
## 1964    9.0       7.0           6.0             10.0             8.0
## 1965    6.0       7.0           3.0              5.0             8.0
## 1966    8.0       7.0           5.0              9.0             9.0
## 1967     NA        NA            NA              7.0             9.0
## 1968    8.0      10.0           3.0              7.0             9.0
## 1969    7.0        NA            NA              9.0             9.0
## 1970    6.0       6.0           6.0              8.0             8.0
## 1971    8.0       8.0           8.0              5.0             9.0
## 1972    9.0       9.0          10.0              9.0             9.0
## 1973    5.0       7.0           7.0              6.0            10.0
## 1974    8.0      10.0           5.0              8.0             9.0
## 1975    5.0       6.0           6.0              9.0            10.0
## 1976    7.0       6.0           6.0              9.0             9.0
## 1977    8.0       7.0           7.0              2.0             6.0
## 1978    7.0       5.0            NA              1.0             4.0
## 1979    8.0        NA            NA              7.0             7.0
## 1980   10.0       7.0           6.0              8.0             7.0
## 1981    4.0       7.0           3.0              2.0             4.0
## 1982    6.0       6.0           7.0              6.0             7.0
## 1983     NA       7.0           5.0              6.0             8.0
## 1984    6.0       5.0           5.0              7.0             6.0
## 1985    7.0        NA            NA              8.0             7.0
## 1986    4.0       4.0           3.0              5.0             5.0
## 1987    7.0       7.0           7.0              3.0             6.0
## 1988    8.0       8.0           8.0              8.0             8.0
## 1989    6.0       6.0           6.0              2.0             8.0
## 1990    8.0       9.0           6.0              4.0             7.0
## 1991    4.0       5.0           5.0              5.0             8.0
## 1992    8.0       7.0           5.0              3.0             8.0
## 1993    8.0       7.0           6.0              4.0             7.0
## 1994    5.0       5.0            NA              3.0            10.0
## 1995    9.0       9.0          10.0              7.0            10.0
## 1996    8.0       8.0           4.0              8.0             9.0
## 1997    5.0       9.0           6.0              7.0             6.0
## 1998    8.0       8.0           8.0              6.0             9.0
## 1999    7.0       9.0           5.0              7.0             9.0
## 2000    7.0       8.0           6.0              8.0             5.0
## 2001    7.0        NA            NA              7.0             6.0
## 2002    5.0       6.0           4.0              6.0             9.0
```

```
## 2003    7.0     7.0         6.0         6.0         9.0
## 2004    8.0    10.0         8.0         7.0         9.0
## 2005    7.0     8.0         8.0         4.0         8.0
## 2006    9.0    10.0         4.0         5.0         8.0
## 2007    7.0     8.0         7.0         5.0         9.0
## 2008    7.0     7.0         6.0         6.0         9.0
## 2009    7.0     6.0         5.0         2.0         3.0
## 2010    6.0      NA          NA         2.0         6.0
## 2011    9.0     9.0         8.0         7.0         6.0
## 2012    9.0     7.0         6.0         7.0         7.0
## 2013    6.0     7.0         3.0         3.0         5.0
## 2014    6.0     7.0         4.0         5.0         7.0
## 2015    9.0      NA          NA         5.0         6.0
## 2016    6.0     8.0         5.0         6.0         7.0
## 2017    8.0      NA          NA         6.0         7.0
## 2018    6.0     5.0         4.0         4.0         5.0
## 2019    8.0     8.0         8.0         2.0         8.0
## 2020    9.0     9.0         8.0         8.0         7.0
## 2021    5.0     7.0         6.0         3.0         6.0
## 2022    9.0    10.0         5.0         5.0         7.0
## 2023    8.0     9.0         6.0         7.0         7.0
## 2024    8.0     8.0         7.0         5.0         6.0
## 2025    4.0     6.0         4.0        10.0         8.0
## 2026    6.0     7.0          NA         6.0         8.0
## 2027    4.0     7.0         4.0         9.0         9.0
## 2028    7.0     9.0         8.0         9.0         8.0
## 2029     NA      NA          NA         8.0         9.0
## 2030    5.0     5.0         5.0         9.0         7.0
## 2031    2.0     6.0         1.0         9.0         8.0
## 2032    4.0     7.0          NA         9.0         9.0
## 2033    6.0     9.0          NA        10.0         8.0
## 2034    1.0     3.0         1.0        10.0         8.0
## 2035    6.0     8.0         6.0         9.0         9.0
## 2036    6.0      NA          NA         7.0         9.0
## 2037    5.0     8.0         7.0         9.0         9.0
## 2038    2.0     7.0         2.0        10.0         9.0
## 2039    3.0    10.0         3.0         9.0         8.0
## 2040    2.0     3.0         1.0         9.0         8.0
## 2041    8.0     7.0         5.0         7.0         7.0
## 2042    5.0      NA         5.0         5.0         7.0
## 2043    5.0     7.0         4.0         8.0         8.0
## 2044   10.0    10.0         8.0         8.0         8.0
## 2045    8.0      NA          NA         6.0         8.0
## 2046    5.0     5.0         4.0         6.0         6.0
## 2047    2.0     7.0         1.0         7.0         6.0
## 2048    4.0     6.0         7.0         8.0         9.0
## 2049    8.0     8.0          NA         8.0         9.0
## 2050    4.0     6.0         5.0         8.0         8.0
## 2051    4.0      NA          NA         7.0         7.0
## 2052    8.0      NA         5.0         7.0         7.0
## 2053    8.0     9.0         5.0         7.0         8.0
## 2054    3.0     6.0         2.0         7.0         9.0
## 2055    6.0    10.0         3.0         6.0         7.0
## 2056    6.0     5.0         4.0         6.0        10.0
```

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## 2057     8.0      10.0          6.0            6.0          9.0
## 2058     8.0       7.0          4.0            4.0          9.0
## 2059     8.0       8.0          7.0            6.0          8.0
## 2060    10.0       7.0          5.0            4.0          8.0
## 2061     8.0       8.0           NA            5.0          8.0
## 2062     8.0       9.0          7.0            8.0         10.0
## 2063     8.0       8.0          6.0            7.0          8.0
## 2064     8.0       8.0          6.0            6.0          9.0
## 2065     7.0       7.0          2.0            7.0         10.0
## 2066     7.0       7.0          6.0            8.0          8.0
## 2067     7.0       7.0          4.0            7.0          9.0
## 2068     6.0       6.0           NA            7.0          9.0
## 2069     9.0       9.0          9.0            8.0          8.0
## 2070     7.0       6.0          6.0            7.0          8.0
## 2071     9.0      10.0         10.0            8.0         10.0
## 2072    10.0       9.0          8.0           10.0          8.0
## 2073     8.0       8.0          7.0            8.0          7.0
## 2074     9.0       8.0          6.0            5.0         10.0
## 2075    10.0       7.0          9.0            6.0          8.0
## 2076     9.0       8.0          7.0            6.0          8.0
## 2077      NA        NA           NA            5.0          6.0
## 2078     6.0       6.0          5.0            7.0          8.0
## 2079     5.0       5.0          1.0            6.0          6.0
## 2080     8.0       6.0          8.0            7.0          6.0
## 2081     8.0       8.0          7.0            8.0          8.0
## 2082     8.0       7.0          7.0           10.0          8.0
## 2083     8.0       9.0          9.0            7.0         10.0
## 2084     7.0        NA          6.0            7.0          9.0
## 2085     9.0       8.0          6.0            9.0          9.0
## 2086     8.0       7.0          5.0            7.0          8.0
## 2087     7.0       9.0          5.0            7.0          9.0
## 2088     7.0       6.0          7.0            8.0          8.0
## 2089     8.0       8.0          5.0            6.0          7.0
## 2090     8.0       9.0           NA            3.0          6.0
## 2091     8.0       7.0          7.0            8.0          7.0
## 2092     8.0       9.0          8.0            5.0          6.0
## 2093      NA       8.0           NA            4.0          6.0
## 2094     6.0       5.0          4.0            5.0          7.0
## 2095     4.0       9.0          7.0            6.0          6.0
## 2096     4.0       8.0           NA            8.0          6.0
## 2097     6.0       6.0          5.0            6.0          9.0
## 2098     7.0       6.0          9.0            8.0          7.0
## 2099     7.0        NA          8.0            6.0          7.0
## 2100     6.0       7.0          6.0            5.0          7.0
## 2101     7.0       7.0          2.0            7.0          6.0
## 2102     4.0       6.0          3.0            6.0          5.0
## 2103     3.0       8.0         10.0            5.0          7.0
## 2104     2.0       5.0          2.0            5.0          5.0
## 2105     8.0       8.0          7.0            7.0          7.0
## 2106     8.0       9.0          8.0            5.0          8.0
## 2107     8.0       7.0          7.0            8.0          8.0
## 2108     7.0       9.0          7.0            6.0          7.0
## 2109     8.0        NA           NA            5.0          8.0
## 2110     7.0       7.0          8.0            7.0          9.0
```

```
## 2111     8.0         8.0              7.0              8.0              8.0
## 2112     4.0         4.0              4.0              8.0              8.0
## 2113     8.0         6.0               NA              9.0              9.0
## 2114     8.0         7.0              7.0              8.0              9.0
## 2115     7.0         6.0              8.0              6.0              8.0
## 2116     8.0         6.0              7.0              8.0             10.0
## 2117     9.0         8.0              6.0              8.0             10.0
## 2118     6.0         5.0              7.0              8.0              6.0
## 2119     7.0        10.0              8.0              8.0              9.0
## 2120     5.0         5.0              4.0              7.0              6.0
## 2121     8.0         5.0              6.0              8.0              7.0
## 2122     8.0         8.0               NA              4.0              9.0
## 2123     7.0         6.0              7.0              7.0              7.0
## 2124     9.0         8.0              9.0              4.0              8.0
## 2125    10.0         8.0              8.0              9.0             10.0
## 2126     6.0         6.0              5.0              9.0              6.0
## 2127     6.0         7.0              2.0              7.0              7.0
## 2128     3.0         3.0              3.0              6.0              6.0
## 2129     7.0         6.0              7.0              9.0             10.0
## 2130     5.0         7.0              8.0              9.0              9.0
## 2131     7.0          NA              9.0              8.0              9.0
## 2132     7.0          NA              6.0              7.0              8.0
## 2133     9.0         7.0              5.0              8.0              7.0
## 2134     7.0         8.0              8.0              5.0             10.0
## 2135     6.0        10.0              6.0              8.0              8.0
## 2136     7.0         7.0              6.0              8.0              7.0
## 2137     6.0         5.0              7.0              8.0              8.0
## 2138    10.0         6.0               NA              6.0              9.0
## 2139     5.0         6.0              5.0              7.0              8.0
## 2140     7.0         5.0              4.0              6.0              8.0
## 2141      NA          NA              7.0              8.0              7.0
## 2142     5.0         6.0              5.0              7.0              8.0
## 2143     1.0         5.0              2.0              8.0              8.0
## 2144     4.0         4.0               NA              9.0              7.0
## 2145     7.0         8.0               NA              8.0             10.0
## 2146     4.0         6.0              5.0             10.0              9.0
## 2147     8.0         8.0              9.0              8.0              9.0
## 2148     5.0          NA              6.0              7.0              8.0
## 2149     5.0         5.0              4.0             10.0              8.0
## 2150     6.0         4.0              5.0              9.0              9.0
## 2151     7.0         8.0              6.0              7.0              8.0
## 2152     4.0         5.0              4.0              9.0              7.0
## 2153     8.0         9.0              5.0              4.0              4.0
## 2154     8.0         8.0               NA              3.0              7.0
## 2155     7.0         7.0              6.0              7.0              7.0
## 2156     7.0         7.0              4.0              5.0              7.0
## 2157     6.0          NA               NA              7.0              7.0
## 2158     6.0         8.0              7.0              8.0              8.0
## 2159     5.0         5.0              2.0              8.0              8.0
## 2160     3.0         7.0              8.0              7.0              7.0
## 2161     5.0         8.0               NA              5.0              7.0
## 2162     6.0         5.0              6.0              8.0              8.0
## 2163     5.0          NA              7.0              8.0              8.0
## 2164     4.0          NA               NA              6.0              7.0
```

```
## 2165    9.0     9.0         7.0          7.0         7.0
## 2166    6.0     6.0         5.0          7.0         7.0
## 2167    9.0    10.0         6.0          7.0         7.0
## 2168    7.0     7.0         6.0          8.0         8.0
## 2169    8.0     8.0         8.0          7.0         6.0
## 2170    6.0     4.0          NA          3.0         7.0
## 2171    7.0     7.0         7.0          4.0         6.0
## 2172    8.0     7.0         4.0          2.0         6.0
## 2173    7.0      NA          NA          3.0         6.0
## 2174    6.0     6.0         5.0          3.0         6.0
## 2175    5.0     8.0         2.0          6.0         5.0
## 2176    7.0     5.0         8.0          6.0         6.0
## 2177    8.0     8.0         8.0          7.0         5.0
## 2178    5.0     4.0         7.0          8.0         8.0
## 2179    8.0     8.0         7.0          7.0         8.0
## 2180    7.0      NA         5.0          4.0         8.0
## 2181    8.0     8.0         8.0          5.0         7.0
## 2182    6.0     6.0         3.0          6.0         6.0
## 2183    6.0     9.0         4.0          7.0         6.0
## 2184    6.0     3.0         4.0          6.0         7.0
## 2185   10.0     9.0        10.0          8.0         8.0
## 2186    9.0     9.0          NA          5.0         5.0
## 2187    6.0     5.0         5.0          8.0         8.0
## 2188    8.0     7.0        10.0          7.0         7.0
## 2189     NA      NA          NA          4.0         6.0
## 2190    4.0     4.0         3.0          4.0         7.0
## 2191    4.0     2.0         2.0          7.0         8.0
## 2192    4.0     7.0          NA          5.0         6.0
## 2193    8.0     8.0          NA          8.0         7.0
## 2194    4.0     5.0         4.0          9.0         8.0
## 2195    6.0     7.0         5.0          7.0         7.0
## 2196    6.0      NA          NA          7.0         7.0
## 2197    5.0     7.0         5.0          8.0         8.0
## 2198    6.0     6.0         3.0          7.0         7.0
## 2199    9.0    10.0         5.0          7.0         8.0
## 2200    7.0     6.0         7.0          6.0         8.0
## 2201   10.0    10.0        10.0          8.0         8.0
## 2202    8.0     8.0         8.0          7.0         9.0
## 2203    8.0     6.0         7.0          8.0         7.0
## 2204    7.0     7.0         5.0          7.0         9.0
## 2205    8.0      NA          NA          7.0         8.0
## 2206    7.0     7.0         5.0         10.0         8.0
## 2207    5.0     5.0         2.0          9.0         9.0
## 2208    7.0     7.0         8.0          9.0         8.0
## 2209    9.0     9.0         7.0          7.0         8.0
## 2210    7.0     7.0          NA          9.0         9.0
## 2211    8.0     8.0         6.0         10.0         9.0
## 2212    7.0      NA         6.0          9.0        10.0
## 2213    9.0     8.0         9.0         10.0         9.0
## 2214    7.0     8.0         6.0          9.0         8.0
## 2215    8.0     9.0        10.0          8.0         8.0
## 2216    8.0     7.0         8.0         10.0         8.0
## 2217    9.0     8.0         7.0          7.0         7.0
## 2218    6.0     7.0         8.0          5.0         7.0
```

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## 2220    7.0    7.0    10.0    6.0    7.0
## 2221     NA     NA      NA    5.0    7.0
## 2222    4.0    6.0     4.0    7.0    7.0
## 2223    4.0    8.0     1.0    6.0    6.0
## 2224    4.0    8.0      NA    7.0    7.0
## 2225    6.0    9.0     3.0    6.0    7.0
## 2226    3.0    7.0     2.0    8.0    7.0
## 2227    6.0    8.0      NA    5.0    7.0
## 2228    5.0     NA     4.0    5.0    7.0
## 2229    5.0    9.0     6.0    6.0    6.0
## 2230    3.0    8.0     6.0    6.0    7.0
## 2231    3.0   10.0     8.0    6.0    8.0
## 2232    4.0    5.0     3.0    6.0    6.0
## 2233    5.0    6.0     2.0    7.0    8.0
## 2234    7.0    8.0     8.0    5.0    8.0
## 2235    7.0    7.0     6.0    8.0    9.0
## 2236    7.0    8.0     5.0    6.0    8.0
## 2237    7.0     NA      NA    6.0    8.0
## 2238    4.0    6.0     3.0    5.0    6.0
## 2239    7.0    8.0     5.0    7.0    7.0
## 2240    6.0    7.0      NA    8.0    7.0
## 2241    6.0    9.0      NA    7.0    9.0
## 2242    5.0    7.0      NA    9.0    9.0
## 2243    8.0     NA     8.0    7.0    7.0
## 2244    7.0    7.0      NA    6.0    8.0
## 2245    8.0    8.0     8.0    9.0    7.0
## 2246    4.0    8.0     5.0   10.0    8.0
## 2247    2.0    9.0     2.0    6.0    8.0
## 2248    6.0    7.0     5.0    9.0    8.0
## 2249    8.0    8.0     8.0    8.0    7.0
## 2250    8.0    8.0      NA     NA    8.0
## 2251    7.0    8.0     7.0    4.0    7.0
## 2252    7.0    8.0     7.0    2.0    7.0
## 2253    7.0     NA      NA    1.0    4.0
## 2254   10.0    8.0     8.0    8.0    4.0
## 2255   10.0   10.0     7.0    7.0    4.0
## 2256    6.0    6.0     6.0    6.0    4.0
## 2257    7.0    8.0      NA    4.0    6.0
## 2258    6.0    7.0     8.0    8.0    7.0
## 2259    8.0    9.0      NA    7.0    8.0
## 2260    6.0    7.0      NA    4.0    6.0
## 2261   10.0   10.0     8.0    7.0    8.0
## 2262    6.0    7.0     7.0    5.0    6.0
## 2263    8.0   10.0     7.0    6.0    8.0
## 2264    8.0    7.0     7.0    8.0    5.0
## 2265    9.0    9.0     9.0    8.0    7.0
## 2266    9.0    8.0      NA    4.0    6.0
## 2267    6.0    7.0     6.0    5.0    7.0
## 2268   10.0   10.0    10.0    4.0    6.0
## 2269    8.0     NA      NA    5.0    6.0
## 2270    8.0    4.0     5.0    5.0    7.0
## 2271    5.0    8.0     2.0    5.0    8.0
## 2272    7.0    4.0      NA    8.0    8.0
## 2273    8.0    8.0      NA    7.0    7.0
```

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## 2274     9.0      6.0       10.0        9.0        8.0
## 2275     6.0      7.0        7.0        5.0        5.0
## 2276     6.0       NA         NA        5.0        5.0
## 2277     9.0      9.0        7.0        6.0        7.0
## 2278     4.0      8.0        6.0        6.0        7.0
## 2279     9.0      9.0        7.0        7.0        7.0
## 2280     6.0      5.0        6.0        7.0        8.0
## 2281     8.0      6.0        7.0        5.0        6.0
## 2282     6.0      5.0        8.0        5.0        5.0
## 2283      NA      5.0         NA        5.0        5.0
## 2284      NA       NA       10.0        5.0        5.0
## 2285     5.0      5.0        5.0        5.0        5.0
## 2286     5.0      5.0        4.0        5.0        5.0
## 2287     8.0      4.0         NA        5.0        5.0
## 2288     6.0      6.0        8.0        5.0        6.0
## 2289     4.0      6.0        3.0        6.0        5.0
## 2290     5.0      6.0        6.0        6.0        5.0
## 2291     7.0     10.0        8.0        7.0        7.0
## 2292     4.0      7.0        6.0        2.0        7.0
## 2293     6.0      5.0        7.0        2.0        8.0
## 2294     5.0       NA         NA        4.0        6.0
## 2295     5.0      5.0        5.0        4.0        7.0
## 2296     5.0      4.0        5.0        4.0        7.0
## 2297     9.0      8.0       10.0        7.0        8.0
## 2298     7.0      8.0        8.0        1.0        7.0
## 2299     6.0      4.0        5.0        1.0        5.0
## 2300     6.0      8.0        9.0        4.0        6.0
## 2301     7.0     10.0        6.0        7.0        7.0
## 2302     4.0      7.0        6.0        6.0        5.0
## 2303     6.0      7.0        8.0        7.0        8.0
## 2304      NA       NA         NA        5.0        5.0
## 2305     5.0      5.0        7.0        7.0        5.0
## 2306     6.0      4.0        5.0        6.0        7.0
## 2307     7.0      9.0        3.0        8.0        7.0
## 2308     7.0      8.0        7.0        8.0        6.0
## 2309     3.0      9.0        3.0        8.0        7.0
## 2310     3.0      9.0        6.0        7.0        8.0
## 2311    10.0     10.0       10.0        5.0        7.0
## 2312     8.0      9.0        5.0        2.0        3.0
## 2313     8.0      5.0        2.0        2.0        6.0
## 2314      NA       NA         NA        4.0        6.0
## 2315     5.0      5.0        5.0        1.0        6.0
## 2316     5.0      9.0        5.0        4.0        6.0
## 2317     8.0      5.0         NA        6.0        7.0
## 2318     6.0      6.0        6.0        7.0        7.0
## 2319     7.0      9.0        4.0        7.0        7.0
## 2320     6.0      8.0        7.0        5.0        7.0
## 2321     8.0      9.0        7.0        5.0        7.0
## 2322     6.0      8.0        9.0        7.0        7.0
## 2323     2.0       NA        5.0        5.0        7.0
## 2325     5.0      5.0        5.0        5.0        6.0
## 2326     5.0      5.0        6.0        7.0        7.0
## 2327     9.0       NA        9.0        7.0        5.0
## 2328     7.0      5.0        5.0        8.0        7.0
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## 2329     6.0      6.0        4.0        6.0        6.0
## 2330     6.0     10.0        9.0        7.0        8.0
## 2331    10.0     10.0        5.0        3.0        7.0
## 2332     9.0      9.0       10.0        4.0        6.0
## 2333     8.0      7.0        6.0        4.0        8.0
## 2334     8.0       NA         NA        4.0        8.0
## 2335     6.0      5.0        6.0        4.0        8.0
## 2336     8.0      8.0        7.0        4.0        8.0
## 2337     9.0      9.0        5.0        7.0        6.0
## 2338     8.0      8.0        6.0        4.0        7.0
## 2339     8.0      6.0        4.0        6.0        6.0
## 2340     8.0      8.0        8.0        5.0        7.0
## 2341     8.0      9.0        9.0        7.0        8.0
## 2342     8.0      8.0        5.0        4.0        4.0
## 2343      NA       NA         NA        6.0        7.0
## 2344     7.0       NA         NA        5.0        5.0
## 2345     8.0      5.0        8.0        7.0        8.0
## 2346     6.0      6.0        5.0        7.0        6.0
## 2347     7.0       NA         NA        8.0        7.0
## 2348     7.0      8.0        7.0        8.0        7.0
## 2349     8.0      6.0        4.0        9.0        8.0
## 2350     6.0      7.0        8.0        7.0        7.0
## 2351     8.0     10.0        9.0        8.0        9.0
## 2352     8.0      8.0        5.0        6.0        8.0
## 2353      NA      8.0         NA        8.0        8.0
## 2354      NA       NA         NA        4.0        4.0
## 2355     6.0      2.0        5.0        4.0        4.0
## 2356     6.0      7.0        6.0        5.0       10.0
## 2357     9.0       NA         NA        5.0        5.0
## 2358     8.0      8.0        5.0        8.0        9.0
## 2359     5.0      6.0        3.0        6.0        4.0
## 2360     6.0      9.0        9.0        8.0        8.0
## 2361     8.0      9.0        6.0        7.0        8.0
## 2362     9.0      9.0        5.0        7.0        7.0
## 2363     5.0      5.0         NA        6.0        8.0
## 2364      NA       NA         NA        6.0        8.0
## 2365     6.0      7.0        5.0        1.0        7.0
## 2366     6.0      7.0        5.0        6.0        8.0
## 2367     7.0       NA         NA        7.0        8.0
## 2368     7.0      8.0        5.0        9.0        9.0
## 2369     6.0      7.0        3.0        8.0        9.0
## 2370     6.0      8.0        6.0        5.0        8.0
## 2371    10.0     10.0       10.0        8.0        9.0
## 2372     7.0      6.0       10.0        7.0        6.0
## 2373     6.0      5.0        3.0        8.0        8.0
## 2374     1.0       NA        1.0        6.0        6.0
## 2375     5.0      5.0        5.0        6.0        7.0
## 2376     7.0      7.0        6.0        6.0        8.0
## 2377     8.0      4.0        1.0        7.0        7.0
## 2378     6.0      6.0        6.0        7.0        7.0
## 2379     5.0      5.0        6.0        8.0        8.0
## 2380     7.0      6.0        6.0        7.0        8.0
## 2381     6.0      6.0        6.0        8.0       10.0
## 2382     7.0      7.0        7.0        7.0       10.0
```

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## 2383    6.0      7.0        5.0         10.0        10.0
## 2384    5.0      6.0        5.0          8.0        10.0
## 2385    5.0       NA        4.0          8.0        10.0
## 2386    4.0      6.0        7.0         10.0        10.0
## 2387    8.0      7.0        6.0         10.0         9.0
## 2388    9.0     10.0        7.0         10.0        10.0
## 2389    8.0      9.0        8.0          8.0        10.0
## 2390    7.0      6.0        9.0         10.0        10.0
## 2391    5.0      5.0         NA          6.0         6.0
## 2392    5.0      7.0        2.0          3.0         8.0
## 2393    6.0      7.0        4.0          3.0         8.0
## 2394    3.0      5.0        2.0          2.0         9.0
## 2395    6.0       NA         NA          3.0         7.0
## 2396    5.0      6.0        6.0          8.0         8.0
## 2397    3.0      3.0        3.0          9.0        10.0
## 2398    6.0     10.0        6.0          9.0        10.0
## 2399    9.0      8.0        8.0          6.0         8.0
## 2400    6.0      6.0        7.0          6.0         6.0
## 2401    6.0      6.0        6.0          4.0         6.0
## 2402    7.0      8.0        6.0          7.0         6.0
## 2403    6.0      5.0        6.0          8.0         7.0
## 2404    2.0      4.0        2.0          5.0         5.0
## 2405    5.0       NA         NA          5.0         6.0
## 2406    6.0      6.0        7.0          7.0         7.0
## 2407    5.0      5.0        6.0          7.0         7.0
## 2408    7.0      9.0        7.0          6.0         8.0
## 2409    9.0     10.0        8.0          5.0         7.0
## 2410    7.0      6.0        5.0          7.0         7.0
## 2411    5.0      5.0        7.0          6.0         8.0
## 2412    7.0      6.0        7.0          6.0          NA
## 2414    5.0       NA        4.0          4.0          NA
## 2416    6.0      6.0        7.0          7.0         7.0
## 2417    5.0      5.0        4.0           NA          NA
## 2419    8.0      9.0        9.0           NA          NA
## 2420    6.0      6.0        6.0          4.0          NA
## 2421    5.0      5.0        5.0          4.0         5.0
## 2422    7.0      7.0        7.0          6.0         5.0
## 2423    8.0      6.0        4.0          6.0         5.0
## 2424    3.0      4.0        2.0          3.0         4.0
## 2425    5.0       NA         NA          5.0         5.0
## 2426    6.0      7.0        6.0          7.0         6.0
## 2427    7.0      8.0        5.0          8.0         8.0
## 2428    4.0      4.0        4.0          6.0         7.0
## 2429    9.0     10.0        9.0          5.0         7.0
## 2430    7.0      7.0        6.0          4.0         5.0
## 2431    5.0      5.0        5.0          5.0         8.0
## 2432    6.0      6.0        7.0          6.0         6.0
## 2433    5.0      5.0        3.0          8.0         8.0
## 2434    3.0      5.0        4.0          5.0         6.0
## 2435    5.0       NA         NA          5.0         8.0
## 2436    5.0      7.0        7.0          7.0         8.0
## 2437    6.0      6.0        5.0          6.0         8.0
## 2438    8.0      9.0        4.0          6.0         7.0
## 2439    8.0      9.0        8.0          5.0         7.0
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## 2440    7.0      6.0           9.0             6.0           8.0
## 2441    6.0      6.0           6.0             5.0           8.0
## 2442    7.0      5.0           7.0             9.0           8.0
## 2443    8.0      6.0           2.0             9.0            NA
## 2444    8.0      8.0           3.0             5.0            NA
## 2445    7.0      5.0            NA             3.0           9.0
## 2446    7.0      7.0           7.0            10.0           8.0
## 2447    8.0      7.0           6.0             7.0           5.0
## 2448   10.0      5.0           4.0             6.0           9.0
## 2449    9.0      9.0           8.0             7.0           5.0
## 2450    9.0      9.0           9.0             8.0           3.0
## 2451    7.0      7.0           6.0             5.0           8.0
## 2452    8.0      8.0           8.0             5.0           9.0
## 2453    8.0      7.0           6.0             7.0           8.0
## 2454    6.0      8.0           7.0             5.0           7.0
## 2455    7.0      7.0            NA             5.0           8.0
## 2456    4.0      6.0           5.0             8.0           8.0
## 2457    8.0      8.0           7.0             7.0           8.0
## 2458    8.0      8.0           4.0             8.0           8.0
## 2459    9.0      9.0           8.0             5.0           7.0
## 2460    7.0      7.0           7.0             5.0           7.0
## 2461    7.0      7.0           7.0             3.0           8.0
## 2462    8.0      7.0           8.0             4.0           8.0
## 2463    6.0      7.0           7.0             7.0           8.0
## 2464    8.0      8.0           7.0             6.0           8.0
## 2465    5.0       NA            NA             4.0           7.0
## 2466    6.0      5.0           4.0             7.0           7.0
## 2467    9.0      8.0           9.0             7.0           7.0
## 2468    9.0      5.0           9.0             7.0           7.0
## 2469    9.0      9.0           8.0             3.0           8.0
## 2470    8.0      8.0           8.0             5.0           7.0
## 2471    7.0      7.0           7.0             3.0           9.0
## 2472    6.0      7.0           7.0             5.0           8.0
## 2473    6.0      7.0           6.0             6.0           9.0
## 2474    6.0      7.0           5.0             6.0           8.0
## 2475     NA       NA            NA             3.0           9.0
## 2476    8.0      8.0           7.0             9.0           9.0
## 2477    8.0      6.0           5.0             7.0           8.0
## 2478    8.0      9.0           9.0             8.0          10.0
## 2479    9.0      9.0           6.0             3.0           9.0
## 2480    6.0      6.0           6.0             6.0           8.0
## 2481    7.0      8.0           3.0             7.0           8.0
## 2482    3.0      3.0           4.0             9.0           9.0
## 2483    5.0      5.0           5.0             4.0           8.0
## 2484    4.0      7.0           6.0             8.0           8.0
## 2485    5.0      4.0           4.0             8.0           9.0
## 2486    3.0      4.0           5.0             8.0           9.0
## 2487    7.0      9.0           0.0             6.0          10.0
## 2488    7.0      6.0           5.0             8.0          10.0
## 2489    4.0      7.0           2.0             3.0          10.0
## 2490    8.0      6.0           7.0             6.0          10.0
## 2491    7.0      6.0           7.0             7.0           9.0
## 2492    5.0      3.0           4.0             7.0          10.0
## 2493    4.0      5.0           4.0            10.0           8.0
```

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## 2494     5.0      5.0         5.0         10.0         8.0
## 2495     4.0      6.0         5.0          7.0        10.0
## 2496     3.0      5.0         3.0          8.0         9.0
## 2497     2.0      2.0         2.0          6.0        10.0
## 2498     5.0      6.0         4.0          8.0        10.0
## 2499     4.0      3.0         5.0          5.0        10.0
## 2500     7.0      8.0          NA          6.0         7.0
## 2501     7.0      7.0         5.0          8.0         7.0
## 2502     9.0      7.0         9.0          7.0         8.0
## 2503     8.0      8.0         4.0          5.0         8.0
## 2504     4.0      6.0         5.0          9.0         6.0
## 2505     5.0      6.0         6.0          6.0        10.0
## 2506     7.0      4.0         7.0          9.0        10.0
## 2507    10.0      8.0         9.0          5.0        10.0
## 2508     8.0      5.0         5.0          7.0         8.0
## 2509     3.0      3.0         2.0          4.0         5.0
## 2510     7.0      6.0         5.0          6.0         8.0
## 2511     7.0      7.0         8.0          8.0         8.0
## 2512     7.0      6.0         6.0          6.0         7.0
## 2513     8.0      6.0         6.0         10.0         9.0
## 2514     8.0      5.0         6.0          9.0         7.0
## 2515     7.0      6.0         5.0          8.0         9.0
## 2516     9.0      5.0         5.0          8.0         8.0
## 2517     7.0      6.0         5.0          6.0         7.0
## 2518     8.0      4.0         6.0          6.0        10.0
## 2519     8.0      6.0         7.0          5.0         6.0
## 2520     7.0      7.0          NA          6.0         9.0
## 2521     7.0      9.0         5.0          5.0         8.0
## 2522     3.0      3.0         3.0          5.0         6.0
## 2523     7.0      7.0         6.0          2.0         3.0
## 2524     5.0      4.0         6.0          6.0         8.0
## 2525     3.0      6.0         2.0          2.0         3.0
## 2526     5.0      5.0         7.0          6.0         7.0
## 2527     9.0      9.0        10.0          4.0         4.0
## 2528     4.0      3.0         3.0          3.0         6.0
## 2529     3.0      4.0         5.0          2.0         6.0
## 2530     2.0      8.0         2.0          2.0         7.0
## 2531     5.0      5.0         5.0          2.0         5.0
## 2532     3.0      2.0         3.0          3.0         4.0
## 2533     4.0      6.0         5.0          5.0         4.0
## 2534     6.0      5.0         3.0          5.0         5.0
## 2535     4.0      5.0         6.0          2.0         5.0
## 2536     2.0      1.0         1.0          3.0         3.0
## 2537     5.0      5.0         6.0          2.0         3.0
## 2538     6.0      6.0         3.0          3.0         6.0
## 2539     5.0      5.0         4.0          3.0         5.0
## 2540     7.0      7.0          NA          2.0         8.0
## 2541     6.0      8.0         5.0          7.0         7.0
## 2542     6.0      7.0         4.0          8.0         8.0
## 2543     6.0      6.0         3.0          7.0         6.0
## 2544     7.0      7.0         7.0          8.0         9.0
## 2545     4.0      4.0         3.0          7.0         8.0
## 2546     5.0      5.0         6.0          7.0         7.0
## 2547     8.0      9.0        10.0          7.0         7.0
```

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## 2548     6.0      6.0          5.0          7.0          7.0
## 2549     6.0      7.0          5.0          7.0          7.0
## 2550     4.0      8.0          5.0          7.0          7.0
## 2551    10.0      5.0          7.0          8.0          8.0
## 2552     5.0      6.0          8.0          7.0          7.0
## 2553     8.0      7.0          7.0          7.0          8.0
## 2554     7.0      7.0          7.0          7.0          7.0
## 2555     6.0      7.0          5.0          7.0          7.0
## 2556     5.0      4.0          3.0          7.0          7.0
## 2557     6.0      5.0          5.0          7.0          7.0
## 2558     6.0      6.0          9.0         10.0         10.0
## 2559    10.0      8.0          8.0         10.0         10.0
## 2560     8.0      8.0           NA          7.0          7.0
## 2561     6.0      7.0          4.0          4.0          5.0
## 2562     6.0      5.0          4.0          4.0          5.0
## 2563     8.0      8.0          7.0          3.0          4.0
## 2564     3.0      5.0          3.0          6.0          5.0
## 2565     3.0      4.0          2.0          5.0          4.0
## 2566     5.0      5.0          3.0          5.0          4.0
## 2567     9.0      8.0          8.0          3.0          2.0
## 2568     3.0      7.0          3.0          3.0          5.0
## 2569     5.0      6.0          2.0          2.0          3.0
## 2570     3.0      4.0          5.0          4.0          4.0
## 2571     5.0      6.0          5.0          4.0          5.0
## 2572     2.0      3.0          4.0          4.0          6.0
## 2573     3.0      6.0          3.0          8.0          7.0
## 2574     4.0      4.0          2.0          5.0          5.0
## 2575     3.0      8.0          4.0          8.0          8.0
## 2576     2.0      2.0          2.0          6.0          6.0
## 2577     7.0      5.0          6.0          5.0          5.0
## 2578     1.0      7.0          5.0          5.0          5.0
## 2579     4.0      4.0          2.0          4.0          4.0
## 2580     8.0      8.0           NA          4.0          6.0
## 2581     6.0      7.0          6.0          2.0         10.0
## 2582     5.0      6.0          6.0          6.0          6.0
## 2583     6.0      7.0          5.0          1.0          6.0
## 2584     5.0      6.0          7.0          9.0          9.0
## 2585     6.0      6.0          5.0          4.0          9.0
## 2586     6.0      5.0          5.0          9.0         10.0
## 2587     6.0      7.0          2.0          2.0         10.0
## 2588     7.0      8.0          3.0          5.0         10.0
## 2589     8.0      6.0          7.0          2.0          9.0
## 2590     7.0      5.0          8.0          2.0         10.0
## 2591     5.0      5.0          5.0          3.0         10.0
## 2592     5.0      5.0          5.0          7.0         10.0
## 2593     7.0      6.0          7.0          8.0          7.0
## 2594     8.0      8.0          8.0          4.0         10.0
## 2595     4.0      7.0          4.0          5.0          9.0
## 2596     4.0      4.0          4.0          2.0          2.0
## 2597     5.0      5.0          6.0          2.0          4.0
## 2598     6.0      6.0          7.0          3.0          3.0
## 2599     6.0      6.0          6.0          2.0          9.0
## 2600     9.0      8.0           NA          8.0         10.0
## 2601     7.0      6.0          5.0          7.0         10.0
```

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## 2602     8.0        6.0           6.0          6.0         8.0
## 2603     8.0        8.0           5.0          3.0         7.0
## 2604     5.0        7.0           5.0          8.0        10.0
## 2605     6.0        6.0           6.0          6.0         7.0
## 2606     7.0        7.0           7.0          7.0         9.0
## 2607     8.0        9.0          10.0          6.0        10.0
## 2608     7.0        6.0           5.0          7.0         9.0
## 2609     6.0        8.0           4.0          3.0         9.0
## 2610     8.0        7.0            NA          6.0        10.0
## 2611     7.0        6.0           5.0          7.0        10.0
## 2612     6.0        9.0           8.0          7.0         9.0
## 2613     7.0        7.0           7.0          7.0         8.0
## 2614     7.0        8.0           8.0          7.0         8.0
## 2615     4.0        5.0           4.0          5.0        10.0
## 2616     6.0        6.0           3.0          7.0        10.0
## 2617     4.0        7.0           6.0          8.0         7.0
## 2618     8.0        6.0           8.0          5.0         7.0
## 2619    10.0        9.0           9.0          5.0         9.0
## 2621     6.0        8.0           6.0          7.0         7.0
## 2622     5.0        8.0           5.0          7.0         8.0
## 2623     9.0        9.0           9.0          3.0         8.0
## 2624     5.0        4.0           5.0          7.0         8.0
## 2625     5.0        5.0           4.0          2.0         8.0
## 2626     5.0        5.0           6.0          7.0          NA
## 2627    10.0       10.0          10.0          3.0         8.0
## 2628     8.0        8.0           5.0          7.0         7.0
## 2629     4.0        4.0           2.0          1.0         7.0
## 2630     8.0        6.0           7.0          6.0         8.0
## 2631     6.0        6.0           5.0          4.0         7.0
## 2632     7.0        8.0           6.0          5.0         8.0
## 2633     7.0        5.0           6.0          9.0         7.0
## 2634     6.0        7.0           6.0          6.0         7.0
## 2635     5.0        5.0           3.0          5.0         8.0
## 2636     5.0        5.0           5.0          7.0         7.0
## 2637     9.0        5.0           5.0          8.0         8.0
## 2638     5.0        7.0           8.0          8.0         8.0
## 2639     6.0        6.0           4.0          4.0         8.0
## 2640     8.0        8.0            NA          4.0         8.0
## 2641     9.0        9.0           6.0          7.0         9.0
## 2642     5.0        5.0           4.0          7.0         8.0
## 2643     9.0        9.0           9.0          5.0         8.0
## 2644     6.0        8.0           7.0          9.0         8.0
## 2645     5.0        5.0           6.0          6.0         8.0
## 2646     5.0        5.0           5.0          8.0         8.0
## 2647     8.0        8.0           8.0          5.0         9.0
## 2648     7.0        7.0           3.0          6.0         9.0
## 2649     7.0        8.0           2.0          2.0         9.0
## 2650     7.0        7.0           6.0          8.0         9.0
## 2651     7.0        7.0           7.0          4.0         9.0
## 2652     2.0        5.0           3.0          7.0         9.0
## 2653     6.0        5.0           4.0          9.0         8.0
## 2654     4.0        5.0           4.0          8.0         7.0
## 2655     6.0        7.0           5.0          4.0         9.0
## 2656     4.0        3.0           2.0          9.0         9.0
```

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## 2657    5.0     5.0      3.0      5.0      9.0
## 2658    4.0     6.0      4.0      6.0      8.0
## 2659    7.0     7.0      6.0      7.0      9.0
## 2660    8.0     9.0       NA      7.0      8.0
## 2661    8.0     7.0      6.0      3.0      6.0
## 2662    4.0     5.0      5.0      7.0      6.0
## 2663    9.0     9.0      9.0      2.0      5.0
## 2664    6.0     9.0      8.0     10.0      7.0
## 2665    6.0     6.0      6.0      7.0      5.0
## 2666    7.0     6.0      7.0      8.0      6.0
## 2667    8.0     8.0      9.0      3.0      9.0
## 2668    6.0     6.0      3.0      3.0      7.0
## 2669    7.0     6.0      3.0      3.0      9.0
## 2670    8.0     8.0      7.0      5.0      8.0
## 2671    5.0     5.0      5.0      4.0      7.0
## 2672    6.0     8.0      7.0      6.0      9.0
## 2673    7.0     5.0      5.0     10.0      8.0
## 2674    5.0     6.0      5.0      8.0      6.0
## 2675    5.0     5.0      8.0      6.0      7.0
## 2676    3.0     1.0      2.0      8.0      3.0
## 2677    7.0     5.0      4.0      4.0      6.0
## 2678    5.0     5.0      6.0      5.0      5.0
## 2679    8.0     7.0      5.0      5.0      6.0
## 2680    8.0     9.0       NA      6.0     10.0
## 2681    8.0     6.0      6.0      5.0      6.0
## 2682    7.0     6.0      6.0      7.0      7.0
## 2683   10.0    10.0      5.0      3.0      8.0
## 2684    7.0     7.0      5.0      9.0      8.0
## 2685    6.0     6.0      4.0      5.0      7.0
## 2686    6.0     7.0      5.0      7.0      8.0
## 2687    8.0    10.0      7.0      4.0      7.0
## 2688    6.0     7.0      3.0      4.0      7.0
## 2689    2.0     8.0      3.0      1.0      6.0
## 2690    8.0     7.0      2.0      6.0      6.0
## 2691    1.0     3.0      1.0      5.0      6.0
## 2692    8.0     7.0      9.0      7.0      9.0
## 2693    7.0     6.0      6.0      9.0      9.0
## 2694    5.0     5.0      5.0      7.0      7.0
## 2695    5.0     4.0      4.0      2.0      6.0
## 2696    5.0     8.0      6.0      8.0      7.0
## 2697    7.0     7.0      3.0      6.0      8.0
## 2698    7.0    10.0      6.0      7.0      7.0
## 2699    7.0     6.0      6.0      6.0      8.0
## 2700    8.0     8.0       NA      6.0      8.0
## 2701    8.0     6.0      6.0      5.0      6.0
## 2702    3.0     6.0      2.0     10.0      8.0
## 2703    8.0     7.0      5.0      2.0      8.0
## 2704    4.0     5.0      5.0     10.0     10.0
## 2705    6.0     6.0      7.0      5.0      8.0
## 2706    6.0     5.0      5.0      6.0      6.0
## 2707   10.0    10.0     10.0      8.0      8.0
## 2708    6.0     6.0      3.0      8.0      8.0
## 2709    8.0     2.0      4.0      3.0     10.0
## 2710    8.0     7.0      7.0      6.0      7.0
```

```
## 2711    4.0     5.0         5.0         10.0        10.0
## 2712    3.0     7.0         4.0          6.0         8.0
## 2713    2.0     6.0         3.0          9.0         7.0
## 2714    5.0     5.0         3.0          2.0         7.0
## 2715    4.0     7.0         6.0          5.0         9.0
## 2716    2.0     3.0         3.0         10.0         8.0
## 2717    8.0     5.0         6.0          5.0         5.0
## 2718    6.0     6.0         4.0          4.0         5.0
## 2719    8.0     8.0         7.0          6.0         8.0
## 2720    7.0     7.0          NA          6.0         8.0
## 2721    5.0     7.0         5.0          5.0         7.0
## 2722    7.0     8.0         6.0          7.0         7.0
## 2723    7.0     5.0         5.0          2.0         8.0
## 2724    5.0     5.0         4.0          9.0         5.0
## 2725    5.0     6.0         5.0          7.0         7.0
## 2726    5.0     5.0         6.0          7.0         7.0
## 2727   10.0    10.0        10.0          9.0        10.0
## 2728    7.0     7.0         5.0          8.0         7.0
## 2729    2.0     5.0         4.0          4.0        10.0
## 2730    8.0     9.0         6.0          8.0         8.0
## 2731    8.0     8.0         9.0          7.0         7.0
## 2732    8.0     7.0         8.0          4.0         9.0
## 2733    7.0     8.0         5.0          7.0         7.0
## 2734    4.0     5.0         3.0          8.0         8.0
## 2735    7.0     7.0         5.0          7.0         8.0
## 2736    7.0     5.0         4.0          8.0         8.0
## 2737    8.0     7.0         7.0          7.0         7.0
## 2738    8.0     7.0         8.0          7.0         7.0
## 2739    5.0     6.0         5.0          4.0         9.0
## 2740    7.0     7.0          NA          1.0         7.0
## 2741    8.0     8.0         6.0          4.0         6.0
## 2742    9.0     4.0         5.0          6.0         9.0
## 2743   10.0     8.0         8.0          3.0         8.0
## 2744    8.0     6.0         5.0          7.0         8.0
## 2745    7.0     6.0         4.0          6.0         9.0
## 2746    9.0     5.0         8.0          9.0         9.0
## 2747   10.0     9.0         9.0          7.0         9.0
## 2748    9.0     9.0         5.0          6.0         7.0
## 2749    6.0     4.0         4.0          1.0         1.0
## 2750    8.0    10.0         5.0          3.0         8.0
## 2751    7.0     5.0         5.0          4.0         8.0
## 2752    8.0     9.0         7.0          7.0         6.0
## 2753    9.0     7.0         7.0         10.0         9.0
## 2754    9.0     8.0         8.0          8.0        10.0
## 2755    8.0     6.0         5.0          6.0         6.0
## 2756    8.0     3.0         6.0          7.0         9.0
## 2757    7.0     6.0         7.0          4.0         7.0
## 2758    7.0     8.0         4.0          4.0         5.0
## 2759    8.0     8.0         7.0          4.0         6.0
## 2760    8.0     8.0          NA          9.0         8.0
## 2761    7.0     8.0         6.0          5.0         8.0
## 2762    7.0     7.0         5.0         10.0        10.0
## 2763    9.0     9.0         9.0          5.0         5.0
## 2764    9.0     8.0         7.0          6.0         8.0
```

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## 2765    8.0       7.0         4.0         5.0         8.0
## 2766    7.0       6.0         7.0         8.0         9.0
## 2767   10.0       9.0         8.0         5.0        10.0
## 2768    8.0       8.0         5.0         5.0         7.0
## 2769    8.0       2.0         5.0         5.0         7.0
## 2770    8.0       7.0         6.0         5.0         5.0
## 2771    5.0       5.0         5.0        10.0        10.0
## 2772    9.0       9.0         6.0         5.0         8.0
## 2773    8.0       7.0         6.0         9.0         9.0
## 2774    8.0       8.0         7.0         8.0         9.0
## 2775    8.0       6.0         6.0         5.0         8.0
## 2776    5.0       6.0         3.0         8.0         8.0
## 2777    8.0       7.0         7.0         9.0         9.0
## 2778    9.0       6.0         7.0         5.0         9.0
## 2779    8.0       8.0         6.0         5.0         9.0
## 2780    8.0       8.0          NA         6.0         8.0
## 2781    7.0       8.0         6.0         6.0         5.0
## 2782    5.0       8.0         5.0         8.0          NA
## 2783    8.0       7.0         6.0         5.0         6.0
## 2784    5.0       5.0         5.0         6.0         6.0
## 2785    5.0       4.0         1.0         5.0          NA
## 2786    5.0       5.0         5.0         6.0         5.0
## 2787    9.0       9.0         9.0         5.0         7.0
## 2788    6.0       3.0         2.0         8.0         7.0
## 2789    7.0       6.0         3.0         3.0          NA
## 2790    4.0       6.0         4.0         5.0         7.0
## 2791    7.0       7.0         7.0         7.0         7.0
## 2792    8.0       7.0         7.0         5.0         6.0
## 2793    7.0       8.0         5.0         8.0         7.0
## 2794    5.0       4.0         4.0         8.0         8.0
## 2795    7.0       7.0         4.0         5.0         6.0
## 2796    5.0       6.0         3.0         8.0          NA
## 2797    5.0       6.0         4.0         5.0         5.0
## 2798    5.0       6.0         7.0         8.0         8.0
## 2799    6.0       7.0         5.0         5.0          NA
## 2801    8.0       8.0         7.0         7.0        10.0
## 2802    7.0       7.0         7.0         7.0         8.0
## 2803    9.0       9.0         8.0         1.0         1.0
## 2804    6.0       5.0         6.0         9.0          NA
## 2805    5.0       5.0         5.0         6.0        10.0
## 2806    4.0       5.0         5.0         9.0         8.0
## 2807    9.0       9.0         9.0         5.0        10.0
## 2808    6.0       6.0         4.0         5.0         8.0
## 2809    6.0       5.0         5.0         3.0          NA
## 2810    8.0       7.0         7.0         4.0        10.0
## 2811    3.0       5.0         5.0         7.0        10.0
## 2812    4.0       3.0         4.0         7.0        10.0
## 2813    7.0       7.0         7.0        10.0        10.0
## 2814    7.0       7.0         6.0         6.0         6.0
## 2815    7.0       6.0         5.0         5.0         8.0
## 2816    5.0       6.0         3.0        10.0         9.0
## 2817    7.0       5.0         7.0         8.0        10.0
## 2818    6.0       6.0         5.0         5.0         2.0
## 2819    7.0       6.0         7.0         3.0         9.0
```

```
## 2820     8.0         8.0             NA          4.0          2.0
## 2821     6.0         8.0             6.0         6.0          8.0
## 2822     4.0         6.0             6.0         4.0          7.0
## 2823     9.0         9.0             9.0         4.0          9.0
## 2824     3.0         5.0             4.0         5.0          7.0
## 2825     5.0         4.0             4.0         3.0          7.0
## 2826     7.0         5.0             5.0         6.0         10.0
## 2827    10.0        10.0            10.0         6.0         10.0
## 2828     6.0         7.0             3.0         6.0         10.0
## 2829     5.0         6.0             5.0         4.0         10.0
## 2830     2.0         7.0             2.0         5.0         10.0
## 2831     5.0         5.0             5.0         5.0          9.0
## 2832     6.0         7.0             7.0         7.0          9.0
## 2833     7.0         9.0             7.0        10.0          8.0
## 2834     5.0         5.0             5.0         7.0          6.0
## 2835     5.0         6.0             5.0         7.0         10.0
## 2836     5.0         5.0             5.0         7.0          8.0
## 2837     7.0         5.0             7.0         6.0          9.0
## 2838     5.0         7.0             7.0         7.0          8.0
## 2839     7.0         8.0             7.0         5.0         10.0
## 2840     7.0         7.0             NA          5.0          5.0
## 2841     8.0         8.0             6.0         6.0          7.0
## 2842     7.0         8.0             6.0         7.0          6.0
## 2843     9.0         9.0             9.0         6.0          7.0
## 2844     8.0         6.0             6.0         7.0         10.0
## 2845     6.0         6.0             5.0         6.0          7.0
## 2846     8.0         6.0             7.0         8.0          8.0
## 2847     9.0         8.0             9.0         6.0          6.0
## 2848     8.0         8.0             6.0         7.0          7.0
## 2849     8.0         5.0             6.0         5.0          8.0
## 2850     8.0         7.0             5.0         6.0          7.0
## 2851     6.0         5.0             5.0         7.0          8.0
## 2852     7.0         5.0             4.0         7.0          7.0
## 2853     8.0         7.0             7.0         8.0          7.0
## 2854     6.0         6.0             6.0         8.0          7.0
## 2855     7.0         6.0             6.0         6.0         10.0
## 2856     4.0         4.0             3.0         7.0          7.0
## 2857     6.0         6.0             7.0         6.0          6.0
## 2858     6.0         7.0            10.0         7.0          7.0
## 2859    10.0         8.0             7.0         6.0          6.0
## 2860     8.0         8.0             NA          6.0          7.0
## 2861     7.0         9.0             6.0         8.0          9.0
## 2862     5.0         4.0             6.0         6.0          9.0
## 2863     9.0         9.0             9.0         6.0          8.0
## 2864     5.0         6.0             6.0         8.0          8.0
## 2865     5.0         6.0             5.0         7.0          8.0
## 2866     6.0         5.0             7.0         8.0          8.0
## 2867     9.0         9.0             9.0         6.0          7.0
## 2868     7.0         8.0             3.0         8.0          9.0
## 2869     4.0         6.0             5.0         6.0          8.0
## 2870     7.0         8.0             6.0         7.0          8.0
## 2871     7.0         6.0             7.0         6.0          8.0
## 2872     8.0         7.0             8.0         8.0          8.0
## 2873     7.0         6.0             6.0         9.0          8.0
```

```
## 2874     7.0       7.0         7.0          8.0        8.0
## 2875     7.0       5.0         5.0          6.0        8.0
## 2876     8.0       5.0         7.0          8.0        9.0
## 2877     8.0       6.0         8.0          5.0        8.0
## 2878     6.0       7.0         5.0          6.0       10.0
## 2879     9.0       8.0         8.0          6.0        7.0
## 2880     8.0       8.0          NA          8.0        8.0
## 2881     8.0      10.0         7.0          7.0        8.0
## 2882     8.0       9.0         9.0          9.0        8.0
## 2883     9.0       8.0         5.0          7.0        8.0
## 2884     7.0       7.0         4.0          8.0        8.0
## 2885     5.0       5.0         5.0          6.0        7.0
## 2886     5.0       6.0         5.0          8.0        6.0
## 2887     7.0       9.0          NA          9.0        5.0
## 2888      NA       8.0          NA          9.0        7.0
## 2889     8.0       7.0         5.0          9.0        8.0
## 2890     5.0       7.0          NA          9.0        8.0
## 2891     8.0       7.0         6.0          9.0        7.0
## 2892     6.0       7.0         5.0         10.0        9.0
## 2893     6.0       9.0         1.0          7.0        8.0
## 2894     4.0       4.0         4.0         10.0        8.0
## 2895     8.0       8.0         7.0          8.0        9.0
## 2896     6.0       5.0         5.0          7.0        8.0
## 2897     5.0        NA         6.0          9.0        8.0
## 2898     7.0       9.0         2.0          8.0        7.0
## 2899     7.0       9.0         5.0          9.0        9.0
## 2900     7.0       7.0         6.0          8.0        8.0
## 2901     9.0       9.0         7.0          3.0        4.0
## 2902     9.0       8.0         9.0          5.0        9.0
## 2903     6.0       7.0         5.0          5.0        8.0
## 2904     8.0       8.0         1.0          7.0        9.0
## 2905     6.0       6.0         5.0          3.0        7.0
## 2906     6.0       8.0         5.0          5.0        6.0
## 2907     8.0       8.0          NA          8.0        7.0
## 2908     8.0       8.0         7.0          6.0        8.0
## 2909     8.0       9.0         7.0          3.0        7.0
## 2910     8.0       8.0         7.0          6.0        8.0
## 2911     8.0       8.0         6.0          6.0        7.0
## 2912     8.0       8.0         8.0          6.0        8.0
## 2913     7.0       7.0         7.0          6.0        8.0
## 2914     8.0      10.0         7.0          8.0        7.0
## 2915    10.0      10.0        10.0          7.0        7.0
## 2916      NA       8.0          NA          4.0        5.0
## 2917     9.0       9.0        10.0          7.0        8.0
## 2918     5.0      10.0         7.0          7.0        7.0
## 2919     7.0       8.0         7.0          6.0        8.0
## 2920     7.0       9.0         6.0          4.0        8.0
## 2921     6.0       8.0         5.0          5.0        5.0
## 2922     6.0       8.0         6.0          7.0        7.0
## 2923     5.0        NA          NA          7.0        6.0
## 2924     7.0       7.0         4.0          6.0        8.0
## 2925     6.0       6.0         7.0          8.0        8.0
## 2926     6.0       7.0         2.0          8.0        7.0
## 2927     6.0        NA          NA          8.0        8.0
```

```
## 2928     7.0       NA         NA          9.0        9.0
## 2929     8.0       9.0        7.0         9.0        9.0
## 2930     5.0       7.0        4.0         9.0        9.0
## 2931     6.0      10.0        7.0         7.0       10.0
## 2932     4.0       7.0        2.0         7.0        8.0
## 2933     7.0       8.0        5.0         5.0       10.0
## 2934     9.0       4.0        5.0        10.0       10.0
## 2935     5.0       5.0        5.0         8.0        9.0
## 2936     8.0       NA         NA          6.0        9.0
## 2937     1.0       1.0        1.0         8.0        9.0
## 2938     7.0      10.0        6.0         9.0        8.0
## 2939     7.0       8.0        7.0         9.0        8.0
## 2940     7.0       7.0        7.0         9.0        9.0
## 2941     7.0      10.0        9.0         3.0        9.0
## 2942     7.0       9.0        6.0         6.0        5.0
## 2943     6.0       7.0        9.0         4.0        7.0
## 2944     7.0       9.0        4.0         7.0        7.0
## 2945     5.0       5.0        6.0         3.0        7.0
## 2946     8.0       9.0        8.0         9.0        6.0
## 2947     8.0      10.0        NA          7.0        7.0
## 2948     NA        9.0        NA          5.0        7.0
## 2949     8.0      10.0        7.0         5.0        7.0
## 2950    10.0      10.0        7.0         6.0        8.0
## 2951     8.0      10.0        7.0         4.0        6.0
## 2952     7.0       9.0        6.0         5.0        6.0
## 2953     6.0       6.0        5.0         3.0        7.0
## 2954     7.0       9.0        7.0         9.0        7.0
## 2955     8.0       8.0        8.0         7.0        8.0
## 2956     NA        9.0        NA          4.0        7.0
## 2957     1.0       NA         NA          4.0        7.0
## 2958     5.0       9.0        4.0         6.0        6.0
## 2959     7.0      10.0        5.0         6.0       10.0
## 2960     8.0      10.0        8.0         7.0        6.0
## 2961     7.0      10.0        7.0         2.0        6.0
## 2962     5.0       9.0        6.0         6.0        7.0
## 2963     2.0       NA         NA          2.0        5.0
## 2964     6.0       8.0        3.0         3.0        3.0
## 2965     5.0       4.0        5.0         3.0        7.0
## 2966     4.0       9.0        4.0         4.0        4.0
## 2967     5.0       9.0        NA          7.0        6.0
## 2968     1.0       NA         1.0         6.0        6.0
## 2969     6.0       8.0        7.0         6.0        6.0
## 2970     7.0      10.0        NA          6.0        6.0
## 2971     5.0       9.0        5.0         6.0        5.0
## 2972     6.0       6.0        5.0         6.0        6.0
## 2973     7.0       7.0        7.0         5.0        7.0
## 2974     6.0       8.0        3.0         6.0        5.0
## 2975     8.0       8.0        5.0         7.0        6.0
## 2976     NA        NA         NA          3.0        4.0
## 2977     NA        NA         NA          4.0        4.0
## 2978     3.0      10.0        5.0         5.0        5.0
## 2979     6.0       8.0        5.0         6.0        5.0
## 2980     6.0       9.0        5.0         6.0        6.0
## 2981     7.0       8.0        6.0         3.0        7.0
```

```
## 2982     9.0      8.0            9.0            7.0            8.0
## 2983     7.0      7.0            8.0            8.0            7.0
## 2984     6.0      7.0            4.0            6.0            8.0
## 2985     4.0      4.0            4.0            3.0            6.0
## 2986    10.0      9.0           10.0            6.0            6.0
## 2987     8.0      8.0             NA            7.0            7.0
## 2988      NA       NA             NA            5.0            8.0
## 2989     7.0      8.0            5.0            4.0            7.0
## 2990     8.0      8.0             NA            7.0            7.0
## 2991     8.0      8.0            8.0            6.0            6.0
## 2992     6.0      6.0            6.0            8.0            7.0
## 2993     7.0      7.0             NA            5.0            6.0
## 2994    10.0      9.0            8.0            8.0            6.0
## 2995     9.0      9.0            9.0            7.0            7.0
## 2996      NA       NA             NA            5.0            7.0
## 2997      NA       NA             NA            4.0            7.0
## 2998    10.0      7.0            7.0            6.0            5.0
## 2999     8.0      9.0            6.0            8.0            8.0
## 3000     8.0     10.0            8.0            7.0            6.0
## 3001     9.0     10.0            7.0            5.0            8.0
## 3002     8.0      9.0            6.0            8.0            8.0
## 3003     3.0      3.0             NA           10.0           10.0
## 3004     7.0      7.0            5.0            8.0            8.0
## 3005     4.0      5.0            4.0            8.0            8.0
## 3006    10.0      8.0            7.0            8.0            6.0
## 3007      NA      8.0             NA            9.0            9.0
## 3008     3.0      8.0            3.0           10.0           10.0
## 3009     7.0      8.0            4.0            8.0            8.0
## 3010     7.0      9.0            6.0            9.0            9.0
## 3011     6.0      8.0            8.0            7.0            8.0
## 3012     7.0      6.0            6.0            8.0           10.0
## 3013    10.0      9.0            9.0           10.0           10.0
## 3014    10.0      9.0            7.0           10.0            9.0
## 3015     9.0      9.0            9.0            9.0            9.0
## 3016     8.0       NA             NA            9.0            9.0
## 3017      NA      9.0             NA            9.0            9.0
## 3018     6.0     10.0           10.0           10.0           10.0
## 3019     6.0      6.0            5.0            6.0            8.0
## 3020     7.0      7.0            7.0            9.0           10.0
## 3021     8.0     10.0            7.0            4.0            3.0
## 3022     7.0      8.0            6.0            7.0            8.0
## 3023     3.0      3.0             NA            6.0            5.0
## 3024     7.0      7.0            4.0            7.0            6.0
## 3025     4.0      5.0            5.0            3.0            5.0
## 3026     6.0      9.0            2.0            8.0            6.0
## 3027      NA      7.0             NA            7.0            6.0
## 3028      NA      7.0             NA            7.0            7.0
## 3029     7.0      8.0            5.0            8.0            8.0
## 3030      NA      9.0            3.0            6.0            7.0
## 3031     5.0      6.0            6.0            4.0            5.0
## 3032     8.0      8.0            6.0            5.0            5.0
## 3033     6.0      7.0            5.0            6.0            6.0
## 3034     6.0      7.0            6.0            8.0            7.0
## 3035     8.0      7.0            7.0            7.0            7.0
```

```
## 3036    7.0    7.0    NA     4.0    8.0
## 3037    2.0    3.0    NA     5.0    7.0
## 3038    6.0   10.0   10.0    6.0    5.0
## 3039    7.0    8.0    7.0    5.0    8.0
## 3040    6.0    9.0    7.0    5.0    7.0
## 3041    6.0    8.0    5.0    7.0    4.0
## 3042    5.0    6.0    4.0    6.0    3.0
## 3043    2.0    1.0    2.0    7.0    6.0
## 3044    7.0    7.0    4.0    8.0    4.0
## 3045    2.0    3.0    2.0    4.0    7.0
## 3046    9.0    2.0    2.0   10.0    7.0
## 3047    4.0    9.0    NA     8.0    6.0
## 3048    1.0    NA     NA     5.0    4.0
## 3049    4.0    8.0    4.0    6.0    4.0
## 3050    2.0    9.0    3.0    8.0    5.0
## 3051    1.0    2.0    1.0    7.0    6.0
## 3052    5.0    8.0    6.0    7.0    5.0
## 3053    9.0    8.0    7.0    6.0    5.0
## 3054    1.0    1.0    1.0    8.0    4.0
## 3055    5.0    7.0    6.0    8.0    7.0
## 3056    NA     6.0    NA     6.0    4.0
## 3057    1.0    NA     NA     7.0    6.0
## 3058    5.0    7.0    6.0    8.0    5.0
## 3059    5.0    7.0    6.0    8.0    6.0
## 3060    5.0    6.0    6.0    6.0    5.0
## 3061    7.0   10.0    6.0    7.0    7.0
## 3062    5.0    7.0    6.0    6.0    8.0
## 3063    5.0    NA     NA     7.0    8.0
## 3064    7.0    7.0    5.0    8.0    6.0
## 3065    4.0    4.0    5.0    6.0    8.0
## 3066    5.0   10.0   10.0    9.0    7.0
## 3067    7.0    8.0    NA     8.0    9.0
## 3068    NA     9.0    NA     8.0    9.0
## 3069    8.0    8.0    8.0    6.0    7.0
## 3070    7.0    9.0    NA     9.0    9.0
## 3071    6.0    7.0    6.0    8.0    8.0
## 3072    4.0    4.0    4.0    8.0    8.0
## 3073    5.0    5.0    5.0   10.0    9.0
## 3074    3.0    7.0    3.0   10.0    7.0
## 3075    5.0    5.0    5.0   10.0    8.0
## 3076    5.0    6.0    NA     8.0    9.0
## 3077    1.0    NA     NA     9.0    9.0
## 3078    6.0    9.0    7.0    9.0    8.0
## 3079    7.0    8.0    6.0    9.0    7.0
## 3080    8.0    7.0    7.0    8.0    7.0
## 3081    8.0    9.0    9.0    5.0    8.0
## 3082    6.0    7.0    7.0    7.0    6.0
## 3083    2.0    NA     NA     7.0    8.0
## 3084    7.0    7.0    4.0    5.0    8.0
## 3085    4.0    3.0    3.0    5.0    6.0
## 3086    4.0   10.0    2.0    8.0    5.0
## 3087    NA     9.0    NA     9.0    6.0
## 3088    NA     NA     NA     6.0    6.0
## 3089    5.0    8.0    5.0    7.0    6.0
```

```
## 3090     3.0      8.0           NA          6.0      8.0
## 3091     6.0      8.0          4.0          6.0      2.0
## 3092     7.0      7.0          9.0          5.0      1.0
## 3093     7.0      7.0          7.0          6.0      7.0
## 3094     8.0      7.0          4.0          8.0      6.0
## 3095    10.0     10.0         10.0          7.0      6.0
## 3096     NA       8.0           NA          5.0      8.0
## 3097     NA       NA           6.0          3.0      3.0
## 3098     5.0      9.0          7.0          6.0      5.0
## 3099     7.0      7.0          6.0          8.0      8.0
## 3100     7.0      6.0          7.0          9.0      7.0
## 3101     8.0      9.0          6.0          6.0      4.0
## 3102     9.0      8.0          7.0          6.0      7.0
## 3103     4.0      5.0          2.0          6.0      5.0
## 3104     7.0      7.0          4.0          6.0      6.0
## 3105     7.0      6.0          6.0          4.0      5.0
## 3106     6.0      7.0          2.0          5.0      6.0
## 3107     7.0      8.0           NA          7.0      7.0
## 3108     7.0      9.0           NA          5.0      7.0
## 3109     8.0      8.0          5.0          4.0      6.0
## 3110     8.0      8.0           NA          6.0      5.0
## 3111     7.0      7.0          8.0          7.0      7.0
## 3112     6.0      8.0          4.0          7.0      4.0
## 3113     6.0      8.0          7.0          6.0      8.0
## 3114     8.0      6.0          6.0          9.0      6.0
## 3115     9.0      9.0          5.0          8.0     10.0
## 3116     8.0      8.0          7.0          6.0      8.0
## 3117     NA       8.0           NA          5.0      6.0
## 3118     8.0      8.0          7.0          6.0      7.0
## 3119     7.0      8.0          5.0          3.0      5.0
## 3120     7.0      8.0          7.0          7.0      7.0
## 3121     8.0      8.0          7.0          4.0      5.0
## 3122     8.0      9.0          6.0          6.0      7.0
## 3123     5.0      5.0          3.0          5.0      8.0
## 3124     8.0      8.0          2.0          8.0      8.0
## 3125     6.0      6.0          6.0          3.0      7.0
## 3126     8.0      8.0          3.0          7.0      6.0
## 3127     7.0      7.0           NA          7.0      7.0
## 3128     NA       9.0          9.0          6.0      7.0
## 3129     9.0      8.0          8.0          4.0      7.0
## 3130    10.0      9.0          9.0          5.0      8.0
## 3131     9.0      7.0          8.0          3.0      3.0
## 3132     4.0      9.0          2.0          3.0      7.0
## 3133     7.0      7.0          7.0          6.0      8.0
## 3134    10.0     10.0         10.0          9.0      7.0
## 3135     9.0      9.0          9.0          8.0      7.0
## 3136     NA       7.0          7.0          5.0      8.0
## 3137    10.0      NA           NA          6.0      9.0
## 3138     9.0      9.0          6.0          6.0      8.0
## 3139     7.0      8.0          6.0          8.0      7.0
## 3140     8.0      9.0          7.0          6.0      7.0
## 3141     7.0      9.0          6.0          4.0      6.0
## 3142     6.0      6.0          6.0          6.0      4.0
## 3143     2.0      3.0          3.0          5.0      7.0
```

```
## 3144      7.0        7.0              3.0            7.0            7.0
## 3145      5.0        5.0              5.0            3.0            3.0
## 3146      6.0        8.0              4.0            8.0            8.0
## 3147      7.0        7.0               NA            8.0            7.0
## 3148       NA         NA               NA            6.0            8.0
## 3149      8.0        9.0              7.0            4.0            6.0
## 3150      7.0        8.0              7.0            5.0            7.0
## 3151      6.0        6.0              5.0            4.0            4.0
## 3152      4.0        9.0              2.0            3.0            5.0
## 3153      8.0        8.0              7.0            4.0            5.0
## 3154      9.0        7.0              8.0            8.0            8.0
## 3155      9.0        9.0              9.0            8.0            8.0
## 3156       NA        8.0              5.0            4.0            7.0
## 3157      9.0        5.0              5.0            5.0            8.0
## 3158      8.0       10.0              2.0            6.0            6.0
## 3159      7.0        8.0              6.0            6.0            8.0
## 3160      9.0       10.0              8.0            6.0            8.0
## 3161      6.0       10.0              5.0            6.0            7.0
## 3162      5.0        5.0              5.0            6.0            6.0
## 3163      2.0         NA               NA            6.0            7.0
## 3164      7.0        7.0              4.0            5.0            6.0
## 3165      8.0        8.0              5.0            6.0            9.0
## 3166      4.0        9.0              4.0            6.0            6.0
## 3167      6.0        9.0               NA            4.0            7.0
## 3168      4.0         NA               NA            6.0            7.0
## 3169      6.0        7.0              3.0            4.0            8.0
## 3170      7.0       10.0               NA            6.0            7.0
## 3171      2.0        3.0              2.0            4.0            7.0
## 3172      5.0        5.0              5.0            6.0            7.0
## 3173      9.0        7.0              7.0            7.0            7.0
## 3174      2.0        4.0              4.0            7.0            5.0
## 3175      8.0        8.0              8.0            8.0            6.0
## 3176      5.0         NA              5.0            6.0            7.0
## 3177      1.0         NA              1.0            6.0            6.0
## 3178      6.0       10.0              6.0            6.0            6.0
## 3179      6.0       10.0              6.0            7.0            6.0
## 3180      7.0        7.0              6.0            7.0            5.0
## 3181      6.0        7.0              7.0            1.0            5.0
## 3182      9.0        8.0              6.0            8.0            9.0
## 3183      3.0        6.0               NA            6.0            7.0
## 3184      7.0        7.0              4.0            4.0            8.0
## 3185      6.0        6.0              5.0            3.0            4.0
## 3186      6.0       10.0              2.0            5.0            3.0
## 3187      9.0         NA              8.0            8.0            8.0
## 3188      7.0        7.0               NA            5.0            8.0
## 3189      8.0        9.0              4.0            2.0            8.0
## 3190      8.0        9.0              7.0            6.0            6.0
## 3191      9.0        8.0              7.0            3.0            5.0
## 3192      5.0        9.0              5.0            3.0            5.0
## 3193      8.0        8.0              8.0            3.0            9.0
## 3194      9.0        9.0              9.0            8.0            5.0
## 3195      8.0        8.0              8.0            6.0            8.0
## 3196       NA         NA               NA            3.0            9.0
## 3197      7.0        9.0               NA            6.0            8.0
```

```
## 3198    7.0     10.0        4.0          6.0          5.0
## 3199    8.0      9.0        7.0          4.0          8.0
## 3200    8.0     10.0        7.0          6.0          8.0
## 3201    8.0      8.0        6.0          3.0          5.0
## 3202    6.0      6.0        5.0          8.0          7.0
## 3203    3.0      3.0         NA          8.0          7.0
## 3204    6.0      7.0        3.0          7.0          6.0
## 3205    5.0      5.0        6.0          9.0          8.0
## 3206    4.0     10.0        4.0          8.0          6.0
## 3207    7.0      6.0        6.0          6.0          6.0
## 3208    9.0      9.0        8.0          9.0          8.0
## 3209    8.0      8.0        5.0          7.0          6.0
## 3210    7.0      7.0        3.0          7.0          7.0
## 3211    7.0      6.0        6.0          5.0          8.0
## 3212    2.0      9.0        3.0          6.0          8.0
## 3213    7.0      7.0        7.0          6.0          8.0
## 3214    4.0      4.0        4.0          9.0          7.0
## 3215    9.0      9.0        9.0          9.0          8.0
## 3216    5.0      7.0         NA          5.0          8.0
## 3217   10.0       NA         NA          5.0          8.0
## 3218    9.0      8.0        8.0          9.0          7.0
## 3219    6.0      6.0        5.0          7.0          6.0
## 3220    7.0      7.0        8.0          9.0          8.0
## 3221    8.0      8.0        7.0          5.0          4.0
## 3222    8.0     10.0        9.0          6.0          8.0
## 3223    8.0       NA        3.0          8.0          6.0
## 3224   10.0     10.0       10.0          9.0          5.0
## 3225    4.0      4.0        5.0          3.0          6.0
## 3226    8.0      8.0        2.0          9.0          4.0
## 3227    7.0      7.0         NA          8.0          8.0
## 3228    7.0      8.0        3.0          6.0          6.0
## 3229    9.0      8.0        6.0          6.0          6.0
## 3230    6.0      9.0        4.0          8.0          8.0
## 3231    8.0      7.0        8.0          6.0          3.0
## 3232    5.0      5.0        2.0          7.0          6.0
## 3233    7.0      7.0        8.0          5.0          9.0
## 3234    6.0      5.0        4.0          7.0          4.0
## 3235    7.0      8.0        7.0          8.0          8.0
## 3236     NA       NA         NA          6.0          6.0
## 3237    1.0       NA        1.0          6.0          7.0
## 3238    7.0     10.0        8.0          7.0          5.0
## 3239    8.0      7.0        7.0          6.0          8.0
## 3240   10.0      8.0        7.0          7.0          7.0
## 3241    6.0      7.0        6.0          5.0          5.0
## 3242    4.0      6.0        4.0          7.0          8.0
## 3243    3.0      3.0         NA          6.0          6.0
## 3244   10.0     10.0       10.0         10.0         10.0
## 3245    4.0      4.0        2.0          3.0          6.0
## 3246    2.0      7.0        2.0          6.0          5.0
## 3247    5.0      8.0         NA          8.0          8.0
## 3248    4.0       NA         NA          6.0          6.0
## 3249    7.0      9.0        6.0          6.0          7.0
## 3250    6.0      8.0         NA          7.0          8.0
## 3251    5.0      6.0        6.0          6.0          7.0
```

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## 3252    6.0      8.0          8.0          8.0          9.0
## 3253    7.0       NA          7.0          6.0          7.0
## 3254    4.0      4.0          4.0          8.0          7.0
## 3255    7.0      8.0          7.0          7.0          7.0
## 3256     NA      7.0           NA          6.0          7.0
## 3257    1.0       NA          5.0          6.0          7.0
## 3258   10.0      9.0          9.0          9.0          8.0
## 3259    6.0      6.0          6.0         10.0          9.0
## 3260    7.0      7.0          7.0          8.0          9.0
## 3261    7.0      8.0          6.0          6.0          7.0
## 3262    9.0      8.0          7.0          6.0          7.0
## 3263    3.0       NA          9.0          7.0          8.0
## 3264    7.0      7.0          7.0          8.0          8.0
## 3265    7.0      6.0          5.0          6.0          8.0
## 3266    6.0      8.0          2.0          9.0          7.0
## 3267     NA       NA           NA          8.0          7.0
## 3268    3.0      8.0           NA          7.0          8.0
## 3269    9.0      7.0          5.0          7.0          8.0
## 3270     NA     10.0          3.0          8.0          8.0
## 3271    6.0      8.0          7.0          7.0          8.0
## 3272    7.0      9.0          8.0          7.0          7.0
## 3273    7.0      7.0          7.0          7.0          7.0
## 3274    9.0      7.0          8.0          9.0          8.0
## 3275    8.0      8.0          7.0          7.0          8.0
## 3276     NA       NA           NA          7.0          8.0
## 3277    9.0      9.0           NA          8.0          8.0
## 3278    5.0      9.0          4.0          9.0          8.0
## 3279    7.0      7.0          7.0          8.0          8.0
## 3280    8.0      7.0          7.0          8.0          8.0
## 3281    7.0      8.0           NA          4.0          8.0
## 3282    8.0      9.0          3.0          7.0          8.0
## 3283    6.0       NA          5.0          4.0          6.0
## 3284     NA       NA           NA          4.0          8.0
## 3285    5.0      4.0          4.0          3.0          7.0
## 3286    6.0      7.0          3.0          5.0          6.0
## 3287    9.0      7.0          9.0          4.0          8.0
## 3288    7.0      7.0          4.0          7.0          5.0
## 3289    6.0      9.0           NA          5.0          8.0
## 3290    8.0       NA           NA          6.0          6.0
## 3291    8.0      8.0          5.0          6.0          7.0
## 3292    5.0      4.0          4.0          2.0          6.0
## 3293    5.0       NA          4.0          3.0          7.0
## 3294    7.0      2.0          3.0          3.0          8.0
## 3295    8.0      6.0          4.0          7.0          6.0
## 3296    9.0      6.0          7.0          2.0          5.0
## 3297    9.0      7.0          7.0          3.0          7.0
## 3298    8.0      8.0           NA          5.0          9.0
## 3299    5.0       NA           NA          6.0          7.0
## 3300    2.0      2.0          1.0          7.0          7.0
## 3301    6.0      6.0          5.0          4.0          6.0
## 3302    2.0       NA          4.0          4.0          7.0
## 3303    3.0      7.0          3.0          3.0          7.0
## 3304    6.0      7.0          4.0          7.0          5.0
## 3305    6.0      7.0          5.0          4.0          7.0
```

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## 3306     4.0     4.0     4.0     7.0     6.0
## 3307     3.0     8.0      NA     5.0     6.0
## 3308     8.0     7.0      NA     4.0     2.0
## 3309     4.0     3.0     1.0     7.0     8.0
## 3310     6.0      NA      NA     6.0     8.0
## 3311     4.0      NA     5.0     2.0     6.0
## 3312     5.0     6.0     3.0     6.0     9.0
## 3313     6.0     6.0     3.0     7.0     8.0
## 3314     7.0     8.0     6.0     3.0     7.0
## 3315     7.0     7.0     6.0     6.0     8.0
## 3316     6.0      NA      NA     2.0    10.0
## 3317     5.0     8.0      NA     8.0     8.0
## 3318     8.0     9.0     7.0     8.0     9.0
## 3319     6.0     6.0     4.0     8.0     9.0
## 3320      NA      NA     5.0     7.0     9.0
## 3321     6.0     5.0     3.0     5.0     8.0
## 3322     7.0     6.0     3.0     9.0     8.0
## 3323     9.0     8.0     9.0     6.0     8.0
## 3324     9.0     7.0     8.0     9.0     8.0
## 3325     4.0     8.0     8.0     6.0     8.0
## 3326     6.0     9.0      NA     7.0     9.0
## 3327     3.0     6.0     3.0     7.0     6.0
## 3328     6.0     5.0     3.0     7.0     6.0
## 3329     5.0      NA     6.0     5.0     9.0
## 3330     5.0     4.0     7.0     6.0     8.0
## 3331     6.0     3.0     4.0     8.0     8.0
## 3332     5.0     5.0     5.0     6.0     8.0
## 3333     6.0     6.0     5.0     7.0     8.0
## 3334     6.0     6.0      NA     5.0     7.0
## 3335     9.0     9.0      NA     7.0     7.0
## 3336    10.0     9.0     2.0     7.0     7.0
## 3337     7.0     7.0     4.0     5.0     7.0
## 3338     7.0     5.0     5.0     4.0     4.0
## 3339     8.0     3.0     4.0     4.0     5.0
## 3340     8.0     7.0     5.0     5.0     4.0
## 3341    10.0     9.0    10.0     5.0     5.0
## 3342     8.0     9.0     7.0     7.0     5.0
## 3343     5.0     8.0      NA     5.0     5.0
## 3344     8.0      NA      NA     5.0     6.0
## 3345     9.0     9.0     7.0     5.0     7.0
## 3346     7.0     6.0     4.0     4.0     7.0
## 3347     7.0      NA     5.0     4.0     9.0
## 3348     5.0     4.0     3.0     5.0    10.0
## 3349     8.0     7.0     5.0    10.0     6.0
## 3350     9.0     9.0     9.0     5.0     8.0
## 3351     8.0     8.0     8.0     8.0     6.0
## 3352     6.0     7.0      NA     7.0     7.0
## 3353     8.0     7.0     7.0     4.0     6.0
## 3354     5.0     3.0     1.0     3.0     6.0
## 3355     7.0     7.0     6.0     3.0     2.0
## 3356     7.0     5.0      NA     4.0     8.0
## 3357     6.0     3.0     5.0     1.0     7.0
## 3358     6.0     6.0     5.0     5.0     3.0
## 3359     9.0     7.0     8.0     3.0     5.0
```

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## 3360     8.0      7.0          8.0           7.0          7.0
## 3361     8.0      8.0          8.0           3.0          6.0
## 3362     7.0      8.0          2.0           6.0          9.0
## 3363     5.0      5.0          5.0           8.0          8.0
## 3364     6.0      7.0          5.0           6.0          8.0
## 3365     2.0      1.0          0.0           7.0          8.0
## 3366     8.0      9.0          7.0           6.0          7.0
## 3367     6.0      6.0          8.0           6.0          9.0
## 3368     7.0      5.0          7.0           7.0          7.0
## 3369     7.0      6.0          6.0           7.0          7.0
## 3370     3.0      2.0          7.0           7.0          8.0
## 3371     7.0      9.0          5.0           6.0          8.0
## 3372     6.0      7.0          6.0           9.0          9.0
## 3373     9.0      9.0          9.0           4.0          6.0
## 3374     6.0      7.0          5.0           2.0          6.0
## 3375     8.0      9.0          8.0           8.0          8.0
## 3376     7.0      8.0          7.0           6.0          8.0
## 3377     6.0      5.0          5.0           8.0          6.0
## 3378     6.0      7.0          5.0           8.0          9.0
## 3379     5.0      9.0          5.0           8.0          5.0
## 3380     6.0      6.0          7.0           8.0          7.0
## 3381     4.0      8.0          3.0           7.0          6.0
## 3382     3.0      9.0          5.0           9.0          7.0
## 3383     8.0     10.0           NA           7.0          8.0
## 3384     9.0     10.0          8.0           6.0          7.0
## 3385     8.0      7.0          7.0           6.0          8.0
## 3386     5.0      6.0          3.0           8.0          7.0
## 3387     7.0      8.0          5.0           9.0          8.0
## 3388     2.0      2.0          7.0           9.0          8.0
## 3389     5.0      6.0          2.0           3.0          6.0
## 3390     4.0      4.0          4.0           6.0          3.0
## 3391     5.0      7.0          7.0           2.0          3.0
## 3392     2.0      3.0          2.0           3.0          7.0
## 3393     9.0     10.0          6.0           6.0          6.0
## 3394     7.0      5.0          6.0           5.0          5.0
## 3395     5.0      5.0          4.0           5.0          7.0
## 3396     6.0      6.0          4.0           8.0          5.0
## 3397     6.0       NA           NA           8.0          7.0
## 3398     2.0      9.0           NA           3.0          7.0
## 3399     5.0      5.0          2.0           8.0          7.0
## 3400     4.0      7.0          3.0           7.0          7.0
## 3401     6.0      8.0          2.0           5.0          6.0
## 3402     5.0      7.0          5.0           6.0          7.0
## 3403     5.0      6.0          7.0           5.0          8.0
## 3404     4.0      7.0          3.0           6.0          6.0
## 3405     9.0      6.0          7.0           5.0          6.0
## 3406     2.0      2.0          3.0           8.0          6.0
## 3407     8.0      6.0          2.0           5.0          7.0
## 3408     8.0      7.0          7.0           7.0          8.0
## 3409     8.0      9.0          6.0           6.0          6.0
## 3410     6.0      6.0          8.0           6.0          7.0
## 3411     8.0      9.0          7.0           6.0          8.0
## 3412     8.0      9.0          6.0           6.0          7.0
## 3413     7.0      6.0          5.0           6.0          7.0
```

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## 3414    9.0     7.0         5.0             6.0         7.0
## 3415    7.0    10.0         3.0             8.0         7.0
## 3416    8.0     9.0         8.0             9.0         9.0
## 3417    2.0     5.0         2.0             9.0         8.0
## 3418    5.0     9.0         4.0             9.0         9.0
## 3419    4.0     3.0         2.0             6.0         9.0
## 3420    8.0    10.0         6.0             9.0         9.0
## 3421    6.0     8.0         5.0             6.0         7.0
## 3422    5.0     7.0         6.0             8.0         9.0
## 3423    6.0    10.0         5.0             2.0         9.0
## 3424    6.0    10.0          NA             9.0         8.0
## 3425    5.0     8.0         7.0             5.0        10.0
## 3426    6.0     9.0         5.0             9.0        10.0
## 3427    6.0     7.0         8.0             3.0         8.0
## 3428    8.0    10.0         9.0             6.0        10.0
## 3429    9.0    10.0        10.0             8.0         8.0
## 3430    7.0     8.0         7.0             5.0         8.0
## 3431    6.0     5.0         7.0             6.0         7.0
## 3432    9.0    10.0         9.0             8.0        10.0
## 3433    6.0     9.0         7.0             7.0         8.0
## 3434    4.0      NA         5.0             8.0         8.0
## 3435    7.0     8.0         5.0             8.0         9.0
## 3436    7.0     5.0         5.0             4.0         8.0
## 3437    5.0      NA          NA             6.0         8.0
## 3438    6.0     7.0         6.0             5.0         8.0
## 3439    6.0     6.0         7.0             7.0         8.0
## 3440    4.0     4.0         3.0             7.0         8.0
## 3441    6.0     8.0         5.0             7.0         8.0
## 3442    5.0     3.0         7.0             8.0         9.0
## 3443    7.0     6.0         3.0             6.0         6.0
## 3444    9.0     8.0         7.0             4.0         5.0
## 3445    6.0     6.0         7.0             7.0         6.0
## 3446    7.0     9.0         8.0             2.0         4.0
## 3447    6.0      NA          NA             2.0         1.0
## 3448    7.0     8.0         8.0             1.0         2.0
## 3449   10.0     8.0         4.0             4.0         2.0
## 3450    7.0     8.0         5.0             1.0         9.0
## 3451    8.0     5.0         5.0             4.0         6.0
## 3452    7.0     8.0         7.0             1.0         2.0
## 3453    9.0     9.0         9.0             6.0         1.0
## 3454    7.0      NA          NA             2.0         4.0
## 3455    5.0     4.0         4.0             1.0         1.0
## 3456    7.0     9.0          NA             4.0         9.0
## 3457    7.0     6.0          NA             1.0         2.0
## 3458    8.0     5.0         5.0             1.0         6.0
## 3459    5.0     7.0         2.0             2.0         6.0
## 3460    5.0     4.0         4.0             4.0         2.0
## 3461    9.0     8.0         7.0             1.0         7.0
## 3462    6.0     6.0         5.0             8.0         1.0
## 3463    8.0     7.0         8.0             2.0         8.0
## 3464    5.0     7.0         4.0             5.0         6.0
## 3465    7.0     7.0         8.0             6.0         7.0
## 3466    5.0     6.0         7.0             6.0         7.0
## 3467    2.0     6.0         3.0             6.0         6.0
```

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## 3468     5.0       6.0            NA            7.0         7.0
## 3469     5.0       8.0            3.0           5.0         6.0
## 3470     4.0       6.0            4.0           7.0         6.0
## 3471     3.0       7.0            2.0           5.0         6.0
## 3472     4.0       5.0            4.0           7.0         7.0
## 3473     6.0        NA            6.0           7.0         7.0
## 3474     6.0       6.0            1.0           4.0         8.0
## 3475     3.0        NA             NA           7.0         7.0
## 3476     4.0       4.0            4.0           6.0         8.0
## 3477      NA        NA             NA           6.0         7.0
## 3478     4.0       4.0             NA           5.0         5.0
## 3479     4.0       4.0            5.0           5.0         5.0
## 3480     2.0       6.0            2.0           7.0         7.0
## 3481     5.0       5.0            4.0           6.0         7.0
## 3482     7.0       6.0            6.0           4.0         7.0
## 3483     6.0       7.0            7.0           5.0         7.0
## 3484     6.0       5.0            8.0           5.0         7.0
## 3485     7.0       8.0            5.0           6.0         6.0
## 3486     6.0       9.0            3.0           4.0         3.0
## 3487     6.0       5.0            6.0           8.0         7.0
## 3488     3.0       6.0            4.0           8.0         7.0
## 3489     6.0        NA             NA           9.0         5.0
## 3490     7.0       8.0            3.0           4.0         5.0
## 3491     7.0       8.0            4.0           9.0         8.0
## 3492     6.0       6.0            6.0           5.0         5.0
## 3493     6.0       5.0            5.0           6.0         3.0
## 3494     7.0       7.0            5.0           7.0         6.0
## 3495    10.0      10.0           10.0           6.0         6.0
## 3496     4.0       7.0             NA           6.0         3.0
## 3497     8.0       8.0            8.0           3.0         5.0
## 3498      NA       8.0            6.0           5.0         5.0
## 3499     8.0       7.0            9.0           5.0         6.0
## 3500     5.0       5.0            5.0           5.0         9.0
## 3501     7.0       6.0            5.0           5.0         7.0
## 3502     5.0       6.0            4.0           8.0         3.0
## 3503     7.0       7.0            7.0           5.0         7.0
## 3504     4.0       4.0            4.0           8.0         7.0
## 3505     6.0       5.0            6.0           4.0         4.0
## 3506     8.0       4.0            8.0           6.0         7.0
## 3507     4.0       6.0            4.0           6.0         6.0
## 3508     5.0       5.0            5.0           6.0         6.0
## 3509     5.0       4.0            6.0           6.0         6.0
## 3510     4.0       5.0             NA           6.0         6.0
## 3511     5.0       5.0            2.0           5.0         5.0
## 3512     3.0       6.0            4.0           6.0         6.0
## 3513     5.0       6.0            7.0           6.0         6.0
## 3514     3.0       5.0            2.0           6.0         6.0
## 3515     5.0       5.0            5.0           6.0         7.0
## 3516     9.0       9.0            9.0           6.0         7.0
## 3517     8.0        NA             NA           6.0         7.0
## 3518     3.0       3.0            3.0           5.0         5.0
## 3519      NA       8.0            7.0           5.0         6.0
## 3520     5.0       6.0            9.0           5.0         5.0
## 3521     4.0       5.0            5.0           6.0         6.0
```

```
## 3522     4.0      7.0         3.0         6.0         7.0
## 3523     4.0      4.0         5.0         6.0         6.0
## 3524     7.0      7.0         6.0         7.0         7.0
## 3525     4.0      6.0         4.0         6.0         7.0
## 3526     5.0      5.0         4.0         6.0         6.0
## 3527     5.0      5.0         8.0         7.0         7.0
## 3528     5.0      9.0          NA         6.0         7.0
## 3529     6.0      5.0         6.0         6.0         6.0
## 3530     7.0      8.0         8.0         6.0         5.0
## 3531     7.0       NA          NA         6.0         6.0
## 3532     7.0      8.0         3.0         4.0         7.0
## 3533     6.0      9.0         6.0         8.0         7.0
## 3534     7.0      7.0         6.0         6.0         7.0
## 3535     3.0     10.0         2.0         6.0         5.0
## 3536     7.0      7.0         7.0         6.0         8.0
## 3537     9.0      9.0         9.0         5.0         7.0
## 3538     6.0      6.0         7.0         7.0         7.0
## 3539     6.0      6.0         6.0         7.0         8.0
## 3540     7.0       NA         8.0         4.0         6.0
## 3541     6.0      5.0         5.0         7.0         4.0
## 3542     6.0      5.0         5.0         6.0         7.0
## 3543     8.0      7.0         7.0         7.0         7.0
## 3544     7.0      6.0         8.0         7.0         6.0
## 3545     7.0      6.0         6.0         5.0         6.0
## 3546     5.0      6.0         4.0         7.0         7.0
## 3547     6.0      7.0         4.0         5.0         6.0
## 3548     5.0      8.0         1.0         5.0         7.0
## 3549     8.0      8.0         8.0         5.0         7.0
## 3550     5.0      6.0         7.0         5.0         5.0
## 3551     5.0      3.0         6.0         3.0         5.0
## 3552     6.0       NA         8.0         5.0         6.0
## 3553     5.0      5.0          NA         2.0         7.0
## 3554     7.0      5.0         4.0         6.0         6.0
## 3555     6.0      5.0         7.0         3.0         4.0
## 3556     5.0      6.0         7.0         3.0         5.0
## 3557     8.0      8.0         7.0         7.0         7.0
## 3558    10.0     10.0        10.0         4.0         7.0
## 3559     8.0       NA         7.0         6.0         7.0
## 3560     8.0      8.0         8.0         5.0         7.0
## 3561      NA       NA          NA         3.0         5.0
## 3562     6.0      6.0         6.0         3.0         4.0
## 3563     5.0      6.0         5.0         4.0         5.0
## 3564     6.0      6.0         5.0         5.0         7.0
## 3565     7.0      6.0         6.0         7.0         8.0
## 3566     6.0      6.0         6.0         5.0         7.0
## 3567     7.0     10.0         5.0         7.0         7.0
## 3568     6.0      5.0         5.0         3.0         5.0
## 3569     8.0      8.0         6.0         5.0         3.0
## 3570     6.0      7.0         6.0         8.0         6.0
## 3571     5.0      6.0         7.0         6.0         8.0
## 3572     8.0      8.0         5.0         7.0        10.0
## 3573     8.0       NA          NA         8.0         9.0
## 3574     7.0      7.0          NA         4.0         6.0
## 3575     7.0      5.0         4.0         5.0         6.0
```

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## 3576    9.0     6.0        6.0        5.0      9.0
## 3577    6.0     7.0        4.0        5.0      6.0
## 3578    8.0     8.0        7.0        7.0      9.0
## 3579    9.0     9.0        6.0        9.0     10.0
## 3580    9.0      NA         NA        6.0     10.0
## 3581    7.0     7.0        7.0        4.0     10.0
## 3582     NA      NA        8.0        5.0      4.0
## 3583    4.0     4.0        4.0        4.0      3.0
## 3584    5.0     5.0        5.0        6.0      5.0
## 3585    2.0     7.0        2.0        9.0      6.0
## 3586    6.0     6.0        4.0        4.0      7.0
## 3587    7.0     6.0        6.0        4.0      5.0
## 3588    9.0     6.0        7.0        9.0     10.0
## 3589    8.0     6.0        7.0        6.0      7.0
## 3590    6.0     8.0        4.0        7.0      8.0
## 3591    5.0     6.0        5.0        5.0      6.0
## 3592     NA      NA         NA        7.0      8.0
## 3593   10.0    10.0       10.0        7.0      2.0
## 3594    9.0      NA         NA        7.0      3.0
## 3595    3.0     5.0        5.0        7.0      7.0
## 3596    3.0     4.0        2.0        5.0      1.0
## 3597    7.0     8.0        6.0        5.0      7.0
## 3598    4.0     9.0        8.0        7.0      8.0
## 3599    7.0     7.0         NA        7.0      7.0
## 3600    9.0     9.0        9.0        6.0      9.0
## 3601    4.0      NA         NA        7.0      8.0
## 3602    9.0     9.0        9.0        6.0      8.0
## 3603     NA     7.0         NA        6.0      8.0
## 3604    6.0     6.0        4.0        6.0      6.0
## 3605    5.0     6.0        5.0        7.0      7.0
## 3606    5.0     5.0        5.0        7.0      8.0
## 3607    5.0     7.0        8.0        7.0      7.0
## 3608    6.0     6.0        6.0        6.0      8.0
## 3609    4.0     5.0        4.0        7.0      7.0
## 3610    4.0     6.0        4.0        6.0      6.0
## 3611    7.0     8.0        9.0        5.0      7.0
## 3612    6.0    10.0        2.0        6.0      8.0
## 3613    5.0     7.0        8.0        6.0      8.0
## 3614    7.0     5.0        6.0        7.0      7.0
## 3615    8.0      NA         NA        9.0      9.0
## 3616    3.0     5.0        5.0        6.0      8.0
## 3617    8.0     7.0        5.0        9.0      7.0
## 3618    7.0     8.0        7.0        7.0      9.0
## 3619    5.0     9.0        5.0        4.0      7.0
## 3620    9.0     9.0        9.0        7.0      8.0
## 3621    7.0     7.0        7.0        4.0      7.0
## 3622    6.0      NA         NA        7.0      8.0
## 3623    6.0     6.0        6.0        6.0      9.0
## 3624     NA      NA        8.0        4.0      8.0
## 3625    6.0     6.0        6.0        5.0      6.0
## 3626    4.0     5.0        5.0        8.0      8.0
## 3627    2.0     5.0        2.0        7.0      7.0
## 3628    7.0     8.0        5.0        7.0      9.0
## 3629    6.0     6.0        7.0        6.0      7.0
```

```
## 3630       5.0          6.0              4.0              8.0          8.0
## 3631       6.0          6.0              4.0              7.0          7.0
## 3632       5.0          5.0              4.0              6.0          8.0
## 3633       5.0          4.0              5.0              5.0          6.0
## 3634       5.0          6.0              7.0              8.0          8.0
## 3635       7.0          5.0              8.0              8.0         10.0
## 3636       7.0           NA              7.0              8.0          8.0
## 3637       5.0          5.0              2.0              5.0          7.0
## 3638       9.0          7.0              8.0              8.0          6.0
## 3639       7.0          7.0              7.0              4.0          8.0
## 3640       3.0          5.0              3.0              6.0          8.0
## 3641       7.0          7.0               NA              5.0          7.0
## 3642       6.0          6.0              6.0              3.0          6.0
## 3643       5.0          6.0               NA              3.0          5.0
## 3644       6.0          6.0              6.0              5.0          7.0
## 3645        NA           NA              9.0              4.0          5.0
## 3646       4.0          5.0              7.0              6.0          4.0
## 3647       5.0          6.0              5.0              7.0          6.0
## 3648       2.0          7.0              2.0              6.0          7.0
## 3649       6.0          7.0              3.0              7.0          8.0
## 3650       7.0          6.0              6.0              4.0          8.0
## 3651       4.0          6.0              4.0              6.0          6.0
## 3652       6.0          5.0              5.0              7.0          6.0
## 3653       9.0          8.0              5.0              9.0          9.0
## 3654       6.0          2.0              5.0              7.0          7.0
## 3655       5.0          8.0              7.0              6.0          8.0
## 3656       3.0          6.0              6.0              7.0          7.0
## 3657       5.0           NA               NA              8.0          7.0
## 3658       7.0          7.0              2.0              6.0          8.0
## 3659       3.0          7.0              4.0              7.0          7.0
## 3660       5.0          7.0              4.0              6.0          9.0
## 3661       5.0          3.0              4.0              6.0          7.0
## 3662       7.0          7.0              7.0              8.0          8.0
## 3663      10.0         10.0             10.0              6.0          7.0
## 3664       6.0           NA               NA              8.0          8.0
## 3665       7.0          7.0              7.0              6.0          8.0
## 3666       7.0           NA               NA              7.0          9.0
## 3667       6.0          5.0              6.0              6.0          7.0
## 3668       6.0          5.0              5.0              9.0          8.0
## 3669       7.0          6.0              8.0              8.0          8.0
## 3670       5.0          6.0              3.0              6.0          6.0
## 3671       7.0          6.0              6.0              7.0          8.0
## 3672       4.0          5.0              4.0             10.0          9.0
## 3673       4.0          4.0              3.0              8.0          8.0
## 3674       9.0          7.0              4.0              8.0         10.0
## 3675       9.0          8.0              9.0              8.0          9.0
## 3676       5.0          7.0              7.0              5.0         10.0
## 3677       8.0          7.0              8.0              5.0          9.0
## 3678       8.0           NA              3.0              8.0          8.0
## 3679       8.0          8.0              2.0              4.0          7.0
## 3680       9.0          6.0              4.0              9.0          9.0
## 3681       8.0          7.0              5.0              6.0          9.0
## 3682       7.0          8.0              6.0              7.0          4.0
## 3683       8.0          8.0              8.0              9.0          9.0
```

```
## 3684     1.0      1.0          1.0           8.0          10.0
## 3685     6.0       NA           NA           6.0          10.0
## 3686     6.0      6.0          6.0           6.0          10.0
## 3687     7.0      5.0          8.0           6.0          10.0
## 3689     7.0      6.0          7.0           5.0          10.0
## 3690     8.0      5.0          7.0           6.0          10.0
## 3691     7.0      7.0          8.0           8.0           9.0
## 3692     8.0      6.0          6.0           4.0          10.0
## 3693     8.0      7.0          6.0          10.0           8.0
## 3694     8.0      7.0          5.0           9.0           9.0
## 3695     5.0      7.0          3.0           3.0           6.0
## 3696     8.0      9.0          8.0           6.0           8.0
## 3697     7.0      5.0          6.0           5.0           6.0
## 3698     8.0      5.0          7.0           5.0           6.0
## 3699     7.0       NA           NA           6.0           6.0
## 3700     5.0      5.0          2.0           3.0           6.0
## 3701     7.0      6.0          6.0           7.0           8.0
## 3702     8.0      7.0          7.0           5.0           7.0
## 3703     3.0      3.0          2.0           4.0           4.0
## 3704     7.0      7.0          7.0           8.0           8.0
## 3705    10.0     10.0         10.0           4.0           8.0
## 3706     4.0       NA           NA           7.0           8.0
## 3707     7.0      7.0          7.0           2.0           5.0
## 3708      NA       NA           NA           4.0           7.0
## 3709     8.0      7.0         10.0           2.0           3.0
## 3710     3.0      3.0          5.0           8.0           7.0
## 3711     5.0      6.0          7.0           6.0           8.0
## 3712     5.0      7.0          4.0           5.0           6.0
## 3713     6.0      6.0          6.0           7.0           6.0
## 3714     7.0      7.0          4.0           6.0           7.0
## 3715     6.0      6.0          3.0           3.0           7.0
## 3716     4.0      8.0          9.0           6.0           6.0
## 3717     0.0      4.0          2.0           5.0           6.0
## 3718     4.0      5.0          7.0           8.0           6.0
## 3719     2.0      3.0          4.0           6.0           5.0
## 3720     5.0      9.0          3.0           5.0           6.0
## 3721     5.0      5.0          8.0           5.0           6.0
## 3722     3.0      4.0          3.0           6.0           4.0
## 3723     3.0      8.0          3.0           8.0          10.0
## 3724     5.0      3.0          3.0           9.0           6.0
## 3725     0.0      7.0          0.0           9.0           8.0
## 3727     3.0      3.0           NA           8.0           8.0
## 3728     7.0      7.0          7.0           5.0           6.0
## 3729      NA       NA          4.0           6.0           8.0
## 3730     5.0      5.0          6.0           6.0           8.0
## 3731     3.0      5.0          3.0           6.0           7.0
## 3732     3.0      3.0          2.0           6.0           6.0
## 3733     3.0      5.0          4.0           9.0           5.0
## 3734     6.0      6.0          6.0           6.0           7.0
## 3735     3.0      5.0          3.0           9.0           6.0
## 3736     3.0      4.0          2.0           6.0           8.0
## 3737     7.0      7.0          6.0           5.0           8.0
## 3738     8.0      7.0          9.0           4.0           4.0
## 3739     6.0      6.0          8.0           5.0           0.0
```

```
## 3740    5.0     4.0      3.0      4.0      6.0
## 3741    7.0      NA       NA      4.0      8.0
## 3742    8.0     8.0      3.0      4.0      7.0
## 3743    7.0     7.0      4.0      7.0      9.0
## 3744    8.0     5.0      5.0      3.0      6.0
## 3745    8.0     7.0      8.0      4.0      7.0
## 3746    7.0     7.0      7.0      4.0      8.0
## 3747   10.0    10.0     10.0      2.0      7.0
## 3748    7.0      NA       NA      6.0      6.0
## 3749    7.5     7.5      7.5      2.0      6.0
## 3750     NA      NA      9.0      4.0      9.0
## 3751    7.0     6.0       NA      2.0      2.0
## 3752    6.0     5.0      5.0      6.0      8.0
## 3753    8.0     3.0      6.0      7.0      9.0
## 3754    7.0     7.0      8.0      8.0      5.0
## 3755    8.0     5.0      8.0      7.0      8.0
## 3756    5.0     7.0      4.0      6.0      7.0
## 3757    5.0     4.0      3.0      4.0      5.0
## 3758    6.0     5.0      7.0      4.0      5.0
## 3759    2.0     4.0      2.0      4.0      6.0
## 3760    5.0     6.0      5.0      6.0      5.0
## 3761    5.0     3.0      4.0      5.0      6.0
## 3762    7.0     8.0       NA      6.0      6.0
## 3763    5.0     5.0       NA      4.0      6.0
## 3764    4.0     5.0      4.0      6.0      5.0
## 3765    5.0     5.0      5.0      4.0      7.0
## 3766    7.0     8.0      3.0      4.0      6.0
## 3767    8.0      NA      8.0      6.0      5.0
## 3768    5.0     5.0      5.0      3.0      7.0
## 3769    6.0      NA       NA      3.0      6.0
## 3770    6.0     6.0      6.0      3.0      6.0
## 3771     NA      NA       NA      3.0      7.0
## 3772    9.0     6.0     10.0      3.0      7.0
## 3773    3.0     3.0      3.0      5.0      5.0
## 3774    5.0     6.0      3.0      5.0      5.0
## 3775    5.0     3.0      3.0      4.0      6.0
## 3776    7.0     6.0      6.0      4.0      7.0
## 3777    4.0     5.0      4.0      5.0      5.0
## 3778    7.0     8.0      6.0      4.0      7.0
## 3779    6.0     9.0      6.0      9.0      9.0
## 3780    8.0    10.0      9.0      8.0      7.0
## 3781    7.0     8.0      6.0      8.0      7.0
## 3782    8.0     7.0      7.0      7.0      8.0
## 3783    8.0     8.0       NA      7.0      8.0
## 3784    7.0     7.0       NA      6.0      8.0
## 3785    8.0     9.0      6.0      9.5      9.0
## 3786    7.0     7.0      7.0      5.0      8.0
## 3787    8.0    10.0      5.0      5.0      6.0
## 3788    9.0     9.0      9.0      7.0      5.0
## 3789   10.0    10.0     10.0      5.0      7.0
## 3790    6.0      NA       NA      8.0      8.0
## 3791    8.5     8.5      8.5      6.0      8.0
## 3792     NA      NA       NA      5.0      6.0
## 3793    9.0     7.0      9.0      5.0      5.0
```

```
## 3794    5.0     5.0     5.0     7.0      7.0
## 3795    6.0     5.0     8.0     5.0      7.0
## 3796    8.0     7.0     7.0     8.0      8.0
## 3797    9.0     8.0     8.0     5.0      8.0
## 3798    7.0     7.0     6.0     9.0      8.0
## 3799    6.0     6.0     7.0     7.0      8.0
## 3800    5.0     6.0     7.0     6.0      8.0
## 3801    7.0     6.0     7.0     8.0      8.0
## 3802    5.0     7.0     8.0     6.0      7.0
## 3803    9.0     7.0     8.0     6.0      8.0
## 3804    8.0      NA     2.0     8.0      7.0
## 3805    7.0     9.0     2.0     5.0      8.0
## 3806    8.0     9.0     4.0     8.0      7.0
## 3807    8.0     7.0     6.0     5.0      9.0
## 3808    7.0     7.0     8.0     6.0      6.0
## 3809    8.0      NA      NA     6.0      8.0
## 3810    9.0     9.0     9.0     7.0     10.0
## 3811    6.0      NA     6.0     6.0      8.0
## 3812    8.0     8.0     8.0     6.0      9.0
## 3813    7.0     9.0      NA     7.0      8.0
## 3814    8.0     8.0     7.0     6.0      8.0
## 3815    6.0     5.0     5.0     7.0      9.0
## 3816    9.0     8.0     9.0     8.0      8.0
## 3817    6.0     5.0     5.0     9.0      6.0
## 3818    6.0     6.0     7.0     7.0      8.0
## 3819    6.0     7.0     5.0     8.0      7.0
## 3820    7.0     6.0     6.0     8.0      6.0
## 3821    5.0     7.0     5.0     5.0      6.0
## 3822    4.0     5.0     4.0     4.0      5.0
## 3823    6.0     7.0     8.0     5.0      8.0
## 3824    7.0     5.0     5.0     7.0      7.0
## 3825    7.0      NA     7.0     5.0      6.0
## 3826    7.0     8.0     2.0     5.0      6.0
## 3827    8.0     7.0     4.0     6.0      6.0
## 3828    8.0     7.0     7.0     6.0      7.0
## 3829    6.0     9.0     9.0     6.0      6.0
## 3830    9.0     9.0     9.0     6.0      7.0
## 3831    5.0     9.0     9.0     5.0      7.0
## 3832    6.0      NA     6.0     5.0      7.0
## 3833    6.0     6.0     6.0     4.0      5.0
## 3834    8.0     8.0      NA     5.0      6.0
## 3835    7.0     5.0     6.0     4.0      6.0
## 3836    6.0     5.0     3.0     6.0      7.0
## 3837    5.0     5.0     5.0     6.0      5.0
## 3838    5.0     5.0     6.0     5.0      6.0
## 3839    7.0     6.0     6.0     4.0      5.0
## 3840    4.0     5.0     4.0     7.0      7.0
## 3841    5.0     5.0     5.0     6.0      5.0
## 3842    6.0     4.0     4.0     6.0      6.0
## 3843    6.0     5.0     7.0     5.0      4.0
## 3844    6.0     6.0     5.0     6.0      4.0
## 3845    9.0     8.0     8.0     4.0      4.0
## 3846    8.0      NA      NA     6.0      5.0
## 3847    5.0     8.0     2.0     4.0      4.0
```

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## 3848     4.0      6.0           3.0           7.0      6.0
## 3849     5.0      4.0           5.0           5.0      4.0
## 3850     4.0      6.0           2.0           4.0      5.0
## 3851     8.0      8.0           8.0           7.0      7.0
## 3852     9.0      9.0           9.0           4.0      6.0
## 3853     5.0       NA            NA           5.0      3.0
## 3854     6.0      6.0           6.0           4.0      6.0
## 3855     7.0       NA            NA           5.0      6.0
## 3856     9.0      6.0           7.0           4.0      4.0
## 3857     3.0      3.0           3.0           7.0      6.0
## 3858     3.0      2.0           1.0           4.0      7.0
## 3859     6.0      5.0           4.0           6.0      7.0
## 3860     6.0      5.0           6.0           4.0      7.0
## 3861     7.0      7.0           6.0           7.0      7.0
## 3862     8.0      5.0           7.0           6.0      7.0
## 3863     7.0      6.0           5.0           4.0      4.0
## 3864     7.0      8.0           7.0           4.0      6.0
## 3865     6.0      7.0           7.0           7.0      6.0
## 3866     6.0      8.0           6.0           6.0      8.0
## 3867     6.0       NA            NA           7.0      7.0
## 3868     4.0      5.0           2.0           5.0      4.0
## 3869     7.0      6.0           5.0           8.0      9.0
## 3870     6.0      7.0           5.0           2.0      4.0
## 3871     6.0      5.0           4.0           7.0      6.0
## 3872     8.0      7.0           7.0           6.0      7.0
## 3873    10.0     10.0          10.0           5.0      7.0
## 3874     6.0       NA            NA           3.0      4.0
## 3875     8.0      8.0           8.0           4.0      4.0
## 3876     8.0      9.0            NA           3.0      2.0
## 3877     8.0      7.0           6.0           2.0      2.0
## 3878     4.0      4.0           4.0           5.0      5.0
## 3879     6.0      3.0           2.0           6.0      6.0
## 3880     6.0      5.0           3.0           7.0      6.0
## 3881     6.0      7.0           7.0           5.0      6.0
## 3882     9.0      7.0           7.0           6.0      8.0
## 3883     7.0      5.0            NA           6.0      6.0
## 3884     6.0      5.0           2.0           4.0      8.0
## 3885     6.0      7.0           5.0           1.0      7.0
## 3886     2.0      5.0           2.0           8.0      8.0
## 3887     6.0      6.0           6.0           6.0      5.0
## 3888     5.0      5.0           5.0           7.0      6.0
## 3889     6.0      8.0           0.0           7.0      6.0
## 3890     4.0      4.0           3.0           8.0      7.0
## 3891     6.0      7.0           4.0           4.0      5.0
## 3892     5.0      8.0           7.0           2.0      8.0
## 3893     6.0      5.0           7.0           2.0      7.0
## 3894     9.0      8.0           7.0           2.0      8.0
## 3895     9.0     10.0           5.0           2.0      8.0
## 3896     5.0      6.0           3.0           5.0      6.0
## 3897     4.0      4.0           9.0           5.0      7.0
## 3898     4.0      8.0           2.0           8.0      8.0
## 3899     5.0      5.0           5.0           9.0      7.0
## 3900     8.0       NA           7.0          10.0      9.0
## 3901     6.0      9.0           8.0           9.0      9.0
```

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## 3902    4.0     5.0      6.0       4.0       7.0
## 3903    5.0     5.0      6.0       7.0       6.0
## 3904    6.0     7.0      6.0       9.0       8.0
## 3905    6.0     6.0      6.0       7.0       9.0
## 3906    7.0     7.0      8.0       5.0       6.0
## 3907    3.0     4.0      2.0       6.0       7.0
## 3908    6.0     6.0      6.0       2.0       4.0
## 3909    5.0     6.0      4.0       4.0       8.0
## 3910    7.0     7.0      2.0       6.0       8.0
## 3911    2.0     5.0       NA       7.0       6.0
## 3912    5.0     5.0      3.0       8.0       7.0
## 3913    8.0     7.0       NA       3.0       7.0
## 3914    6.0     6.0      6.0       3.0       0.0
## 3915    7.0     8.0      4.0       4.0       6.0
## 3916    7.0     8.0      5.0       7.0       8.0
## 3917    8.0     7.0      6.0       6.0       7.0
## 3918    4.0     4.0      3.0       4.0       3.0
## 3919    4.0     4.0      1.0       8.0       9.0
## 3920    5.0     5.0      4.0       3.0       2.0
## 3921    8.0     8.0      8.0       8.0       9.0
## 3922    7.0     6.0      7.0       8.0       9.0
## 3923    5.0     5.0      4.0       4.0       6.0
## 3924    5.0     5.0      6.0       6.0       0.0
## 3925    8.0     9.0      8.0       8.0       7.0
## 3926    4.0     9.0      3.0       7.0       8.0
## 3927    5.0     6.0      5.0       6.0       6.0
## 3928    5.0     4.0      3.0       5.0       5.0
## 3929    6.0     7.0      6.0       5.0       5.0
## 3930    4.0     6.0      5.0       6.0       5.0
## 3931    6.0     6.0      6.0       6.0       6.0
## 3932    5.0     4.0      2.0       7.0       6.0
## 3934    6.0     7.0      6.0       5.0       6.0
## 3935    8.0     7.0      7.0       6.0       6.0
## 3936    5.0     8.0      5.0       4.0       7.0
## 3937    7.0     7.0      7.0       6.0       6.0
## 3938    5.0     8.0      5.0       5.0       8.0
## 3939    5.0     6.0      8.0       6.0       6.0
## 3940    3.0     7.0       NA       6.0       6.0
## 3941    4.0     7.0      4.0       5.0       6.0
## 3942    6.0      NA       NA       9.0       7.0
## 3943    4.0    10.0      4.0       8.0       6.0
## 3944    5.0     6.0      4.0       7.0       6.0
## 3945    5.0     4.0      4.0       7.0       5.0
## 3946    7.0     7.0      6.0       7.0       4.0
## 3947    5.0     5.0      1.0       6.0       9.0
## 3948    6.0     7.0      4.0       4.0       7.0
## 3949    5.0     5.0      3.0       3.0       8.0
## 3950    6.0     6.0      6.0       7.0       6.0
## 3951    7.0     6.0      5.0       7.0       8.0
## 3952    6.0     6.0      2.0       6.0       5.0
## 3953    6.0     3.0      9.0       6.0      10.0
## 3954    8.0     5.0      7.0      10.0      10.0
## 3955    7.0     8.0      6.0       7.0       7.0
## 3956    8.0     7.0      8.0       8.0      10.0
```

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## 3957     8.0     7.0        6.0        5.0        6.0
## 3958     7.0     7.0        3.0        8.0        5.0
## 3959     6.0     6.0        6.0        8.0        9.0
## 3960     4.0     6.0        8.0        3.0        4.0
## 3961     5.0     4.0        1.0        9.0        9.0
## 3962     6.0     7.0        6.0        5.0        8.0
## 3963     7.0     8.0        8.0        8.0        9.0
## 3964     6.0     8.0        3.0        9.0       10.0
## 3965     7.0     6.0        8.0        7.0        9.0
## 3966     4.0     4.0        5.0        7.0        4.0
## 3967     7.0     8.0        6.0        7.0        6.0
## 3968     1.0     9.0        5.0        6.0        8.0
## 3969     8.0     7.0        5.0        5.0        7.0
## 3970     7.0     5.0        4.0        6.0        7.0
## 3971     6.0     6.0        6.0        6.0        6.0
## 3972     6.0     7.0        4.0        7.0        7.0
## 3973     6.0     6.0        7.0        7.0        6.0
## 3974     5.0     4.0        9.0        8.0        7.0
## 3975    10.0     7.0        7.0        8.0        8.0
## 3976    10.0     8.0        3.0        7.0        8.0
## 3977     8.0     7.0        6.0        6.0        7.0
## 3978     7.0     6.0        7.0        5.0        5.0
## 3979     8.0     8.0        0.0        6.0        8.0
## 3980     7.0     6.0        6.0        6.0        6.0
## 3981     5.0     6.0        4.0        5.0        8.0
## 3982     4.0     3.0         NA        7.0        7.0
## 3983     5.0     6.0        6.0        6.0        8.0
## 3984     6.0      NA        7.0        9.0        8.0
## 3985     6.0     7.0        7.0        7.0        8.0
## 3986     6.0     7.0        7.0        7.0        7.0
## 3987     5.0     6.0        5.0        6.0        6.0
## 3988     7.0     8.0        7.0        7.0        6.0
## 3989     1.0     8.0        1.0        7.0        7.0
## 3990     5.0     7.0        6.0        5.0        7.0
## 3991     2.0     5.0        2.0        6.0        6.0
## 3992     5.0     5.0        5.0        7.0        6.0
## 3993     4.0     6.0        6.0        8.0        7.0
## 3994     5.0     8.0        0.0        5.0        5.0
## 3995     5.0     9.0         NA        5.0        7.0
## 3996     6.0     5.0        6.0        6.0        5.0
## 3997     7.0     5.0        4.0        5.0        5.0
## 3998     6.0     6.0        4.0        5.0        5.0
## 3999     8.0     8.0        3.0        5.0        5.0
## 4000     7.0     7.0        3.0        8.0        8.0
## 4001     7.0     7.0        3.0        3.0        5.0
## 4002     5.0     5.0        7.0        5.0        5.0
## 4003     3.0     5.0         NA        8.0        7.0
## 4004     5.0     5.0        5.0        8.0        7.0
## 4005     7.0     9.0         NA        7.0        5.0
## 4006     6.0     8.0        3.0        5.0        6.0
## 4007     4.0     5.0        6.0        6.0        6.0
## 4008     4.0     4.0        2.0        5.0        5.0
## 4009     6.0    10.0        6.0        7.0        7.0
## 4010     1.0     8.0        7.0        6.5        8.0
```

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## 4011     7.0        8.0           6.0              4.0          7.0
## 4012     6.0        8.0           4.0              6.0          5.0
## 4013     6.0        6.0           5.0              5.0          5.0
## 4014     6.0        7.0           7.0              7.0          7.0
## 4015     7.0        7.0           8.0              8.0          8.0
## 4016     8.0        7.0           7.0              7.0          6.0
## 4017     4.0        5.0           2.0              9.0          1.0
## 4018     9.0        8.0           NA               6.0          7.0
## 4019     8.0        8.0           5.0              7.0          8.0
## 4020     7.0        6.0           4.0              6.0          8.0
## 4021     9.0        7.0           5.0              8.0          8.0
## 4022     8.0        7.0           5.0              7.0          7.0
## 4023     5.0        6.0           3.0              6.0          7.0
## 4024     6.0        5.0           3.0              8.0          7.0
## 4025     5.0        5.0           5.0              6.0          7.0
## 4026     8.0        9.0           8.0              8.0          9.0
## 4027     6.0       10.0           5.0              8.0          7.0
## 4028     5.0        5.0           5.0              7.0          8.0
## 4029     6.0        6.0           6.0              9.0          7.0
## 4030     8.0        7.0           7.0              7.0          9.0
## 4031     1.0        3.0           1.0              7.0          8.0
## 4032     4.0        5.0           6.0              2.0          7.0
## 4033     3.0        6.0           3.0              3.0          7.0
## 4034     6.0        7.0           5.0              8.0          7.0
## 4035     6.0        5.0           7.0              7.0          8.0
## 4036     5.0        5.0           6.0              6.0          6.0
## 4037     7.0        NA            8.0              8.0          8.0
## 4038     5.0        5.0           2.0              7.0          7.0
## 4039     8.0        8.0           6.0              7.0          7.0
## 4040     7.0        8.0           7.0              7.0          7.0
## 4041     7.0        6.0           6.0              3.0          7.0
## 4042     9.0        7.0           3.0              6.0          7.0
## 4043     7.0        5.0           6.0              7.0          7.0
## 4044     5.0        8.0           4.0              3.0          7.0
## 4045     3.0        NA            NA               8.0          7.0
## 4046     4.0        7.0           4.0              5.0          5.0
## 4047     7.0        7.0           5.0              6.0          7.0
## 4048     8.0        8.0           8.0              8.0          8.0
## 4049     7.0        6.0           6.0              8.0          7.0
## 4050     4.0        4.0           6.0              6.0          6.0
## 4051     1.0        6.0           6.0              6.0          6.0
## 4052     6.0        6.0          10.0             10.0          8.0
## 4053     7.0        6.0           8.0              3.0          6.0
## 4054     2.0        4.0           2.0              6.0          5.0
## 4055     6.0        7.0           6.0              5.0          4.0
## 4056     5.0        6.0           5.0              7.0          5.0
## 4057     4.0        6.0           7.0              6.0          7.0
## 4058     2.0        3.0           3.0              5.0          7.0
## 4059     5.0        7.0           6.0              5.0          5.0
## 4060     4.0        6.0           5.0              6.0          7.0
## 4061     6.0        6.0           5.0              3.0          7.0
## 4062     7.0        6.0           7.0              6.0          7.0
## 4063     6.0        7.0           3.0              6.0          7.0
## 4064     3.0        6.0           5.0              5.0          4.0
```

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## 4065     3.0      6.0          2.0          6.0          8.0
## 4066     3.0       NA          5.0          9.0         10.0
## 4067     3.0      4.0          4.0          5.0          5.0
## 4068     5.0      5.0          4.0         10.0          8.0
## 4069     5.0     10.0          5.0          8.0         10.0
## 4070     5.0      5.0          6.0          7.0          9.0
## 4071     3.0      4.0          4.0          5.0          6.0
## 4072     7.0      9.0          8.0          9.0          6.0
## 4073     7.0      5.0          1.0          7.0          7.0
## 4074     7.0      7.0          7.0          6.0          6.0
## 4075     7.0      5.0          2.0          7.0          7.0
## 4076     7.0      7.0          6.0          6.0          7.0
## 4077     7.0      6.0          5.0          8.0          7.0
## 4078     7.0      7.0          6.0          8.0          8.0
## 4079     8.0      6.0           NA          8.0          8.0
## 4080     8.0      6.0          4.0          7.0          7.0
## 4081     8.0      7.0          7.0         10.0          9.0
## 4082     8.0      8.0          5.0          7.0          7.0
## 4083     7.0      7.0          6.0          7.0          7.0
## 4084     9.0      9.0          8.0          8.0          8.0
## 4085     5.0      5.0          6.0          7.0          7.0
## 4086     8.0      6.0          2.0          7.0          7.0
## 4087     5.0      4.0           NA          7.0          7.0
## 4088     6.0      7.0          7.0          8.0          8.0
## 4089     7.0       NA          5.0          9.0          9.0
## 4090     7.0      6.0          5.0          8.0           NA
## 4091     7.0      5.0          6.0          9.0          9.0
## 4092     7.0      5.0          6.0          8.0          8.0
## 4093     8.0      8.0          7.0          9.0          9.0
## 4094     1.0      1.0          1.0          9.0          9.0
## 4095     5.0      6.0          4.0          3.0          3.0
## 4096     5.0      5.0          5.0         10.0         10.0
## 4097     6.0      7.0          6.0          9.0          9.0
## 4098     4.0      5.0          4.0          9.0          9.0
## 4099     6.0      9.0          6.0         10.0         10.0
## 4100     6.0      7.0          7.0         10.0          9.0
## 4101     5.0      7.0          2.0         10.0          9.0
## 4102     5.0      6.0           NA          7.0          7.0
## 4103     5.0      7.0          4.0          6.0          6.0
## 4104     7.0      7.0          5.0         10.0         10.0
## 4105     9.0      9.0          5.0          1.0          1.0
## 4106     8.0      6.0          4.0         10.0         10.0
## 4107      NA       NA           NA         10.0         10.0
## 4108    10.0      5.0           NA         10.0         10.0
## 4109     5.0      5.0          4.0          5.0          5.0
## 4110     6.0      5.0          5.0         10.0         10.0
## 4111     6.0      9.0          3.0          8.0          8.0
## 4112     5.0      6.0          5.0          5.0          5.0
## 4113     4.0      5.0          4.0         10.0          9.0
## 4114     6.0      7.0          6.0         10.0         10.0
## 4115     1.0      7.0          2.0          7.0          7.0
## 4116     7.0      7.0          6.0          2.0          5.0
## 4117     3.0      3.0          3.0          3.0          4.0
## 4118     6.0      7.0          6.0          7.0          7.0
```

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## 4119    7.0     7.0         6.0         7.0         6.0
## 4120    8.0     7.0         8.0         7.0         7.0
## 4121    9.0     4.0         5.0         7.0         7.0
## 4122    8.0      NA         6.0         5.0         4.0
## 4123    8.0     7.0         4.0         6.0         6.0
## 4124    5.0     4.0         3.0         6.0         8.0
## 4125    6.0     7.0         6.0         5.0         9.0
## 4126    6.0     8.0         3.0         6.0         6.0
## 4127    6.0     6.0         5.0         6.0         6.0
## 4128    4.0     6.0         2.0         4.0         6.0
## 4129    8.0     5.0         5.0         6.0         8.0
## 4130    6.0     7.0         6.0         7.0         7.0
## 4131    6.0     8.0          NA         7.0         7.0
## 4132    7.0     7.0         4.0         5.0         6.0
## 4133    6.0     5.0         6.0         6.0         6.0
## 4134    3.0     4.0         4.0         5.0         5.0
## 4135    5.0     6.0         5.0         5.0         6.0
## 4136    1.0     5.0         1.0         5.0         5.0
## 4137    6.0     7.0         6.0         5.0         5.0
## 4138    3.0     5.0         2.0         8.0         8.0
## 4139    5.0     5.0         5.0         3.0         3.0
## 4140    6.0     7.0         6.0         6.0         6.0
## 4141    7.0     7.0         8.0         8.0         8.0
## 4142    3.0     3.0         2.0         7.0         7.0
## 4143    4.0     7.0         4.0         9.0         9.0
## 4144    7.0     6.0         5.0         6.0         6.0
## 4145    5.0     6.0         5.0         6.0         6.0
## 4146    8.0     6.0         5.0         7.0         7.0
## 4147    7.0     8.0         6.0         6.0         6.0
## 4148    2.0     6.0         7.0         7.0         7.0
## 4149    2.0     5.0         2.0         7.0         7.0
## 4150    2.0     6.0         1.0         7.5         7.5
## 4151    6.0     5.0         4.0         6.0         6.0
## 4152    5.0     8.0         6.0         8.5         8.5
## 4153    6.0    10.0         5.0         8.0         8.0
## 4154    4.0     5.0         4.0         6.0         6.0
## 4155    4.0     5.0         6.0         6.0         6.0
## 4156    4.0     7.0         4.0         8.0         8.0
## 4157    2.0     4.0         1.0         9.0         8.0
## 4158    6.0     7.0         5.0         6.0          NA
## 4159    3.0     5.0         3.0         7.0          NA
## 4160    5.0     7.0         5.0         7.0          NA
## 4161    6.0     5.0         5.0         6.0          NA
## 4162    5.0     7.0         6.0         7.0          NA
## 4163    2.0     3.0         3.0         8.0          NA
## 4164    4.0     8.0         3.0         7.0          NA
## 4165    5.0     5.0         5.0         7.0          NA
## 4166    5.0     5.0         3.0         6.0          NA
## 4167    7.0     6.0         5.0         7.0          NA
## 4168    9.0    10.0         5.0         8.0         7.0
## 4169    7.0     5.0         5.0         8.0          NA
## 4170    4.0     8.0         6.0         7.0         6.0
## 4171    3.0      NA         5.0         7.0          NA
## 4172    6.0     7.0         4.0         6.0          NA
```

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## 4173      6.0      6.0          4.0          10.0          NA
## 4174      6.0      7.0          4.0           7.0          NA
## 4175      4.0      6.0          5.0           7.0          NA
## 4176      4.0      5.0          4.0           8.0          NA
## 4177      7.0      6.0          5.0           9.0         8.0
## 4178      1.0      5.0          8.0           7.0         7.0
## 4179      5.0      5.0          6.0           4.0         7.0
## 4180      3.0      3.0          3.0           8.0         8.0
## 4181      5.0      5.0          5.0           7.0         7.0
## 4182      3.0      5.0          4.0           6.0         7.0
## 4183      3.0      7.0          3.0           8.0         6.0
## 4184      3.0      6.0           NA           8.0         6.0
## 4185      4.0      8.0          2.0           7.0         6.0
## 4186      7.0     10.0          5.0           7.0         8.0
## 4187      5.0      6.0          4.0           4.0         6.0
## 4188      6.0      9.0          4.0           6.0         8.0
## 4189       NA       NA           NA           4.0         8.0
## 4190      4.0      6.0          5.0           8.0         8.0
## 4191      5.0      6.0          3.0           5.0         9.0
## 4192      0.0      4.0          0.0           7.0         7.0
## 4193      4.0      6.0          5.0           9.0         9.0
## 4194      4.0      7.0          6.0           9.0         9.0
## 4195      8.0      9.0          2.0           8.0         8.0
## 4196      5.0      6.0          4.0           7.0         7.0
## 4197      4.0      4.0          4.0           9.0         6.0
## 4198      5.0      4.0          4.0          10.0         7.0
## 4199      1.0      6.0          4.0           4.0         6.0
## 4200      5.0      6.0          8.0           3.0         6.0
## 4201      6.0      8.0          2.0           5.0         5.0
## 4202      6.0      6.0          6.0           5.0         7.0
## 4203      6.0      5.0          5.0           6.0         6.0
## 4204      6.0      7.0          5.0           4.0         5.0
## 4205      4.0      6.0          2.0           5.0         6.0
## 4206      6.0      6.0          4.0           4.0         5.0
## 4207      7.0      7.0           NA           4.0         6.0
## 4208      8.0      7.0          6.0           4.0         6.0
## 4209      8.0      6.0          6.0           4.0         7.0
## 4210      7.0      7.0          7.0           6.0         5.0
## 4211      7.0      7.0          6.0           3.0         4.0
## 4212      6.0      7.0          7.0           3.0         6.0
## 4213      7.0      5.0           NA           7.0         6.0
## 4214      6.0      7.0          4.0           3.0         6.0
## 4215      7.0       NA           NA           5.0         5.0
## 4216      7.0      8.0          6.0           6.0         7.0
## 4217      6.0      5.0          6.0           4.0         6.0
## 4218      6.0      5.0          6.0           5.0         7.0
## 4219      7.0     10.0          5.0           7.0         4.0
## 4220      7.0      6.0          3.0           7.0         6.0
## 4221      7.0      7.0          8.0           2.0         3.0
## 4222      8.0      5.0          2.0           5.0         9.0
## 4223      7.0      6.0          5.0           7.0         4.0
## 4224      7.0      5.0          3.0           6.0         8.0
## 4225      9.0      9.0          3.0           7.0         8.0
## 4226     10.0       NA           NA           7.0         6.0
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## 4227     7.0       7.0          5.0          4.0          3.0
## 4228     9.0       9.0           NA          5.0          3.0
## 4229     9.0       8.0          6.0          4.0          2.0
## 4230     8.0       8.0          8.0          6.0          9.0
## 4231    10.0       8.0          5.0          7.0          9.0
## 4232     8.0       7.0          8.0          8.0          8.0
## 4233     6.0       6.0          1.0          3.0          4.0
## 4234     7.0       5.0           NA          8.0          9.0
## 4235     6.0       6.0          5.0          7.0          6.0
## 4236     6.0       8.0          8.0         10.0          9.0
## 4237     7.0       7.0          4.0          9.0          9.0
## 4238     4.0       6.0          5.0          5.0          5.0
## 4239     7.0       5.0          6.0          5.0          5.0
## 4240     6.0       5.0          4.0          6.0          4.0
## 4241     1.0       7.0          1.0          8.0          7.0
## 4242     5.0       7.0          4.0          2.0          5.0
## 4243     2.0       3.0          2.0          3.0          6.0
## 4244     6.0       6.0          6.0          3.0          6.0
## 4245     6.0       5.0          7.0          7.0          8.0
## 4246     7.0       7.0          6.0          6.0          7.0
## 4247     6.0       7.0           NA          7.0          7.0
## 4248     7.0       4.0          4.0          3.0          3.0
## 4249     6.0       8.0          5.0          4.0          6.0
## 4250     6.0       6.0          8.0          5.0          7.0
## 4251     6.0       7.0          5.0          3.0          5.0
## 4252     9.0       8.0          7.0          5.0          7.0
## 4253     7.0       7.0          5.0          3.0          5.0
## 4254     3.0       6.0          3.0          3.0          5.0
## 4255     2.0       4.0          0.0          4.0          7.0
## 4256     4.0       6.0          4.0          4.0          5.0
## 4257     8.0       8.0          8.0          9.0          8.0
## 4258     5.0       8.0          5.0          7.0          6.0
## 4259     4.0       6.0          5.0          4.0          6.0
## 4260     6.0       6.0          7.0          3.0          5.0
## 4261     7.0       8.0          6.0          8.0          6.0
## 4262     2.0       9.0          2.0          6.0         10.0
## 4263     6.0       8.0          6.0          5.0          9.0
## 4264     8.0       9.0          5.0          6.0          9.0
## 4265     7.0       7.0          6.0          5.0          9.0
## 4266     4.0       6.0          6.0          5.0          8.0
## 4267     8.0      10.0          2.0          6.0          7.0
## 4268     2.0       4.0          4.0          5.0          8.0
## 4269     6.0       7.0          4.0          6.0          7.0
## 4270     7.0      10.0          7.0          6.0          8.0
## 4271     7.0       8.0          6.0          6.0          7.0
## 4272     7.0       8.0          6.0          5.0         10.0
## 4273     8.0      10.0          2.0          5.0         10.0
## 4274     3.0       6.0          5.0          5.0          8.0
## 4275     6.0       7.0          3.0          4.0          9.0
## 4276     9.0       9.0          6.0          7.0          9.0
## 4277     6.0       7.0          7.0          6.0          9.0
## 4278     7.0       9.0          8.0          9.0          9.0
## 4279     8.0       9.0          8.0          6.0          8.0
## 4280     5.0       7.0          5.0          6.0          8.0
```

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## 4281    6.0     5.0          6.0           5.0          8.0
## 4282    6.0    10.0          6.0           7.0          8.0
## 4283    1.0     8.0          1.0           6.0         10.0
## 4284    6.0     7.0          7.0           4.0         10.0
## 4285    5.0     7.0          3.0           5.0         10.0
## 4286    6.0     6.0          6.0           5.0         10.0
## 4287    7.0     6.0          5.0           6.0         10.0
## 4288    7.0     6.0          6.0           9.0         10.0
## 4289    9.0     8.0           NA           7.0          9.0
## 4290    6.0     8.0          4.0           7.0          9.0
## 4291    8.0     9.0           NA           5.0         10.0
## 4292    8.0     8.0          4.0           5.0          9.0
## 4293    6.0     6.0          5.0          10.0         10.0
## 4294   10.0    10.0          7.0           6.0         10.0
## 4295    7.0     6.0          6.0           6.0         10.0
## 4296    4.0     7.0          2.0           5.0          7.0
## 4297    6.0     4.0          0.0           7.0         10.0
## 4298    7.0     7.0          7.0           5.0         10.0
## 4299    8.0     8.0          7.0           8.0         10.0
## 4300    9.0     7.0          2.0           7.0          8.0
## 4301    6.0     6.0          6.0           7.0         10.0
## 4302    6.0     6.0          7.0           7.0         10.0
## 4303    7.0     8.0          7.0           6.0         10.0
## 4304    3.0     8.0          1.0           8.0          8.0
## 4305    6.0     6.0          5.0           4.0          6.0
## 4306    5.0     6.0          5.0           6.0          8.0
## 4307    6.0     6.0          6.0           5.0          7.0
## 4308    4.0     7.0          5.0           6.0          8.0
## 4309    5.0     5.0          6.0           7.0          7.0
## 4310    3.0     6.0          4.0           5.0          8.0
## 4311    6.0     8.0          3.0           5.0          5.0
## 4312    8.0     9.0          4.0           3.0          6.0
## 4313    6.0     5.0          5.0           5.0          6.0
## 4314    8.0     8.0          3.0           3.0          8.0
## 4315    4.0    10.0          3.0           4.0          8.0
## 4316    4.0     6.0          4.0           5.0          6.0
## 4317    4.0     8.0          3.0           4.0          5.0
## 4318    5.0     6.0          0.0           6.0          7.0
## 4319    5.0     6.0          5.0           7.0          6.0
## 4320    6.0     9.0          7.0           9.0          8.0
## 4321    7.0     7.0          5.0           8.0          6.0
## 4322    5.0     6.0          5.0           6.0          7.0
## 4323    7.0     7.0          6.0           8.0          7.0
## 4324    6.0     6.0          6.0           7.0          8.0
## 4325    8.0     7.0          8.0           4.0          9.0
## 4326   10.0    10.0           NA           7.0          9.0
## 4327    6.0     7.0          5.0           5.0          6.0
## 4328    5.0     4.0          5.0           6.0          6.0
## 4329    7.0     8.0          8.0           6.0          8.0
## 4330    7.0     8.0          8.0           5.0          8.0
## 4331    6.0     6.0          6.0           4.0          9.0
## 4332    7.0     7.0          7.0           6.0          8.0
## 4333    8.0     7.0          6.0           8.0          9.0
## 4334    7.0     7.0          7.0           8.0          8.0
```

```
## 4335     6.0      5.0          5.0           3.0          8.0
## 4336     8.0      7.0          8.0           2.0          8.0
## 4337     7.0      9.0          NA            4.0          5.0
## 4338     7.0      5.0          5.0           5.0          7.0
## 4339     8.0      7.0          7.0           4.0         10.0
## 4340    10.0      8.0          NA            6.0          8.0
## 4341     5.0      6.0          4.0           6.0          9.0
## 4342     5.0      7.0          8.0           7.0          7.0
## 4343     3.0      4.0          2.0           5.0          7.0
## 4344     7.0      NA           9.0           7.0          7.0
## 4345     5.0      5.0          4.0           6.0          8.0
## 4346     7.0      4.0          3.0           7.0          7.0
## 4347     6.0      5.0          3.0           5.0          7.0
## 4348     4.0      7.0          4.0           8.0          6.0
## 4349     6.0      4.0          7.0           5.0          9.0
## 4350     6.0      6.0          7.0           4.0          8.0
## 4351     5.0      5.0          NA            5.0          9.0
## 4352     5.0      6.0          4.0           7.0          7.0
## 4353     7.0      6.0          7.0           5.0          5.0
## 4354     8.0     10.0          4.0           7.0          8.0
## 4355     7.0      6.0          6.0           6.0          5.0
## 4356     5.0      8.0          6.0           7.0          6.0
## 4357     4.0      8.0          2.0           6.0          6.0
## 4358     4.0      8.0          4.0           8.0          8.0
## 4359     5.0      8.0          5.0           5.0          5.0
## 4360     4.0      4.0          4.0           7.0          8.0
## 4361     8.0      7.0          5.0           9.0          8.0
## 4362     9.0      9.0          6.0           8.0         10.0
## 4363     5.0      5.0          6.0           5.0          5.0
## 4364     6.0      6.0          8.0           7.0          9.0
## 4365     5.0      7.0          NA            5.0          5.0
## 4366     6.0      7.0          6.0           8.0          7.0
## 4367     8.0      6.0          7.0           5.0         10.0
## 4368     8.0      NA           8.0           7.0          8.0
## 4369     8.0      7.0          6.0           7.0          8.0
## 4370     6.0      5.0          8.0           5.0          9.0
## 4371     6.0      3.0          2.0           5.0          5.0
## 4372     7.0      7.0          6.0           5.0          7.0
## 4373     6.0      6.0          5.0           5.0          7.0
## 4374     6.0      3.0          4.0           3.0          5.0
## 4375     7.0      7.0          5.0           7.0          7.0
## 4376     4.0      6.0          4.0           8.0          8.0
## 4377     6.0      7.0          5.0           3.0          8.0
## 4378     8.0      9.0          8.0           3.0         10.0
## 4379     5.0      5.0          NA            3.0          7.0
## 4380     7.0      7.0          6.0           4.0          7.0
## 4381     8.0      7.0          7.0           6.0          8.0
## 4382     8.0      8.0          4.0           7.0          9.0
## 4383     8.0      6.0          4.0           7.0          7.0
## 4384     7.0      5.0          6.0           8.0          9.0
## 4385     5.0      5.0          4.0           8.0          9.0
## 4386     5.0      7.0          5.0           8.0          8.0
## 4387     4.0      4.0          4.0           6.0          8.0
## 4388     8.0      3.0          5.0           9.0          8.0
```

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## 4389     4.0      4.0         3.0            9.0            9.0
## 4390     4.0      6.0         2.0            9.0            7.0
## 4391     6.0      6.0         5.0            6.0            7.0
## 4392     5.0      6.0         5.0            6.0            7.0
## 4393     5.0      5.0          NA            6.0            7.0
## 4394     6.0      6.0         5.0            7.0            7.0
## 4395     8.0      6.0         8.0            8.0            9.0
## 4396     9.0      8.0          NA            7.0            8.0
## 4397     6.0      6.0         5.0            8.0            8.0
## 4398     4.0      7.0         5.0           10.0            9.0
## 4399     7.0      6.0         3.0            8.0            9.0
## 4400     5.0      5.0         4.0            8.0            9.0
## 4401     5.0      6.0         4.0            8.0            9.0
## 4402     7.0      6.0         4.0            7.0            7.0
## 4403     8.0      5.0         5.0           10.0           10.0
## 4404     7.0      6.0         4.0            8.0            9.0
## 4405     7.0      4.0         5.0            7.0            9.0
## 4406    10.0      9.0         9.0            7.0            8.0
## 4407     6.0      5.0          NA            7.0            9.0
## 4408     6.0      6.0         5.0            6.0            7.0
## 4409     7.0      6.0         7.0            6.0           10.0
## 4410     9.0      8.0          NA           10.0           10.0
## 4411     5.0      7.0         4.0            6.0            9.0
## 4412     4.0      5.0         7.0            7.0           10.0
## 4413     4.0      4.0         2.0            8.0           10.0
## 4414     8.0       NA         6.0            9.0           10.0
## 4415     4.0      5.0         4.0            4.0            9.0
## 4416     6.0      6.0         3.0            8.0           10.0
## 4417     7.0      7.0         8.0            8.0            9.0
## 4418     5.0      6.0         5.0           10.0            9.0
## 4419     6.0      5.0         5.0            7.0           10.0
## 4420     8.0      9.0         8.0            8.0           10.0
## 4421     2.0      2.0          NA            8.0            9.0
## 4422     5.0      5.0         5.0            9.0            8.0
## 4423     7.0      6.0         8.0            5.0            6.0
## 4424     8.0     10.0         7.0            6.0            7.0
## 4425     6.0      7.0         4.0            3.0            7.0
## 4426     8.0      7.0         8.0            7.0            8.0
## 4427     5.0      8.0         3.0            5.0            6.0
## 4428     8.0      8.0         5.0            7.0            7.0
## 4429     7.0      5.0         6.0            7.0            6.0
## 4430     7.0      7.0         3.0            5.0            6.0
## 4431     4.0      5.0         3.0            6.0            6.0
## 4432     8.0      5.0         5.0            9.0            8.0
## 4433     6.0      7.0         6.0            5.0           10.0
## 4434     8.0      9.0        10.0            5.0            6.0
## 4435     2.0      9.0          NA            5.0            6.0
## 4436     7.0      5.0         5.0            6.0            6.0
## 4437     8.0      7.0         7.0            5.0           10.0
## 4438     4.0      4.0         0.0            4.0            9.0
## 4439     7.0      5.0         4.0            3.0             NA
## 4440     0.0      3.0         8.0            7.0            9.0
## 4441     8.0      4.0         8.0           10.0           10.0
## 4442     8.0      6.0         5.0            6.0           10.0
```

```
## 4443     7.0      6.0      6.0      5.0      7.0
## 4444     4.0      7.0      2.0      7.0      6.0
## 4445     8.0      7.0      6.0      7.0      6.0
## 4446     6.0      7.0      4.0      7.0     10.0
## 4447     4.0      6.0      4.0      7.0      8.0
## 4448     6.0      8.0      5.0      2.0     10.0
## 4449    10.0      5.0       NA      6.0      9.0
## 4450     8.0      7.0      7.0      7.0      6.0
## 4451     7.0      6.0      6.0      4.0      6.0
## 4452     9.0     10.0       NA      7.0      8.0
## 4453     5.0      5.0      5.0      7.0      5.0
## 4454     8.0      5.0      8.0      8.0      7.0
## 4455     6.0      7.0      9.0      6.0     10.0
## 4456     8.0      9.0      6.0      7.0      8.0
## 4457     7.0      6.0      6.0      6.0      7.0
## 4458     7.0      6.0      3.0      5.0      6.0
## 4459     6.0      3.0      3.0      6.0      7.0
## 4460     8.0      7.0      9.0      7.0      7.0
## 4461     5.0      5.0      5.0      5.0      7.0
## 4462     9.0      8.0     10.0      3.0      6.0
## 4463     5.0      5.0       NA      5.0      8.0
## 4464     6.0      6.0      6.0      4.0      6.0
## 4465     7.0      6.0      7.0      2.0      8.0
## 4466    10.0      8.0      4.0      6.0      7.0
## 4467     7.0      7.0      5.0      8.0      7.0
## 4468     5.0      5.0      5.0      7.0      7.0
## 4469     6.0      4.0      3.0      7.0      6.0
## 4470     8.0      6.0      6.0      6.0      9.0
## 4471     6.0      7.0      5.0      6.0      9.0
## 4472     8.0      3.0      3.0      6.0      8.0
## 4473     9.0      6.0      6.0      9.0      8.0
## 4474     8.0      8.0      7.0      7.0      7.0
## 4475     6.0      6.0      3.0      5.0      6.0
## 4476     9.0      8.0      8.0      3.0      6.0
## 4477     5.0      5.0       NA      5.0      6.0
## 4478     6.0      5.0      5.0      5.0      5.0
## 4479     7.0      6.0      7.0      5.0      8.0
## 4480    10.0     10.0      5.0      7.0      9.0
## 4481     6.0      6.0      4.0      8.0      7.0
## 4482     5.0      6.0      7.0      9.0      8.0
## 4483     4.0      8.0      5.0      7.0      8.0
## 4484     5.0      6.0      4.0      7.0      7.0
## 4485     6.0      5.0      5.0      6.0      8.0
## 4486     6.0      4.0      5.0      5.0      9.0
## 4487     4.0      4.0      3.0      7.0      5.0
## 4488     8.0      5.0      5.0      8.0      5.0
## 4489     6.0      5.0      4.0      4.0      7.0
## 4490     5.0      8.0      6.0      4.0      6.0
## 4491     5.0      9.0       NA      7.0      7.0
## 4492     6.0      5.0      5.0      7.0      6.0
## 4493    10.0      8.0      7.0      9.0      9.0
## 4494     8.0       NA       NA      8.0      9.0
## 4495     6.0      7.0      3.0      7.0      6.0
## 4496     2.0      8.0      7.0      8.0      8.0
```

```
## 4497     5.0       5.0        2.0        7.0        8.0
## 4498     6.0       6.0        4.0        7.0        8.0
## 4499     8.0       5.0        6.0        6.0        8.0
## 4500    10.0       4.0        2.0        8.0        8.0
## 4501     3.0       4.0        2.0        7.0        8.0
## 4502     6.0       4.0        5.0        7.0        8.0
## 4503     4.0       5.0        4.0        5.0        6.0
## 4504     6.0       5.0        5.0        5.0        6.0
## 4505     4.0       4.0         NA        6.0        6.0
## 4506     7.0       5.0        6.0        6.0        6.0
## 4507     8.0       7.0        7.0        3.0        6.0
## 4508    10.0        NA         NA        4.0        7.0
## 4509     8.0       8.0        5.0        4.0        6.0
## 4510     7.0       5.0        6.0        7.5        8.0
## 4511     6.0       7.0        6.0        7.0        8.0
## 4512     8.0       8.0        8.0        8.0        9.0
## 4513     7.0       5.0        6.0        4.0        8.0
## 4514     9.0       5.0        4.0        6.5        8.0
## 4515     6.0       6.0        4.0         NA        7.0
## 4516     6.0       8.0        9.0        7.0        6.0
## 4517     6.0       5.0        3.0        4.0        6.0
## 4518     7.0       5.0        6.0        3.0        8.0
## 4519     4.0       6.0         NA        5.0        6.0
## 4520     8.0       7.0        7.0        4.0        7.0
## 4521     6.0       8.0        6.0        9.0        9.0
## 4522     6.0       6.0         NA        8.0        9.0
## 4523     3.0       3.0        4.0        7.0        8.0
## 4524     7.0       8.0        8.0        8.0        9.0
## 4525     6.0       8.0        6.0        9.0        8.0
## 4526    10.0      10.0        5.0        8.0        9.0
## 4527     9.0      10.0        8.0        6.0        8.0
## 4528     2.0       9.0        2.0        7.0        9.0
## 4529      NA      10.0        5.0        8.0        9.0
## 4530     5.0       8.0        6.0        8.0        9.0
## 4531     1.0       8.0        0.0        7.0        9.0
## 4532     7.0       7.0        6.0        8.0        9.0
## 4533     9.0       8.0        9.0       10.0       10.0
## 4534     5.0       5.0        4.0        8.0        9.0
## 4535     9.0       7.0        7.0       10.0       10.0
## 4536     9.0        NA         NA        9.0       10.0
## 4537     3.0       5.0        5.0        8.0       10.0
## 4538     8.0       8.0        8.0       10.0       10.0
## 4539     6.0       7.0        5.0        8.0       10.0
## 4540     7.0       7.0        7.0        7.0       10.0
## 4541    10.0       9.0        9.0       10.0       10.0
## 4542     5.0      10.0        6.0        8.0       10.0
## 4543     4.0       8.0         NA        5.0        4.0
## 4544     8.0       8.0        7.0       10.0       10.0
## 4545     8.0       7.0        4.0        8.0       10.0
## 4546     8.0       2.0        7.0       10.0       10.0
## 4547     9.0       8.0        6.0       10.0       10.0
## 4548     7.0       5.0        5.0       10.0       10.0
## 4549     5.0       5.0        3.0        7.0        7.0
## 4550     5.0       5.0         NA        6.0        7.0
```

```
## 4551     3.0        1.0            3.0            6.0            8.0
## 4552     7.0        8.0            7.0            9.0            8.0
## 4553     6.0        7.0            6.0            7.0            7.0
## 4554     8.0        8.0            8.0            6.0            6.0
## 4555     7.0        7.0            2.0            6.0            6.0
## 4556     2.0        9.0            2.0            8.0            7.0
## 4557      NA        3.0             NA            6.0            6.0
## 4558     3.0        6.0            2.0            6.0            8.0
## 4559     2.0        6.0            0.0            8.0            7.0
## 4560     6.0        6.0            5.0            7.0            8.0
## 4561     6.0        6.0            5.0            8.0            8.0
## 4562     4.0        4.0            3.0            8.0            8.0
## 4563     5.0        8.0            2.0            6.0            7.0
## 4564     7.0         NA             NA            4.0            5.0
## 4565     5.0        3.0            5.0            5.0            5.0
## 4566     7.0        9.0            8.0            7.0            8.0
## 4567     9.0        9.0            8.0            5.0            6.0
## 4568     9.0        9.0            9.0            5.0            5.0
## 4569     9.0        8.0            9.0            4.0            2.0
## 4570     7.0        9.0            6.0            6.0            6.0
## 4571     8.0         NA            7.0            4.0            0.0
## 4572     8.0        8.0            6.0            8.0            7.0
## 4573     5.0        7.0            5.0            7.0            7.0
## 4574     6.0        6.0            7.0            5.0            7.0
## 4575     8.0        7.0            6.0            6.0            5.0
## 4576     7.0        7.0            5.5            5.0            8.0
## 4577     7.0        7.0            7.0            8.0            8.0
## 4578     7.0        7.0            7.0            5.0            6.0
## 4579     6.0        4.0            5.0            3.0            6.0
## 4580     5.0        9.0            6.0            7.0            5.0
## 4581     9.0        9.0            7.0            5.0            7.0
## 4582     8.0        9.0           10.0            5.0            7.0
## 4583     9.0        9.0           10.0            4.0            6.0
## 4584     2.0        5.0            6.0            6.0            6.0
## 4585    10.0       10.0           10.0            6.0            4.0
## 4586     8.0        8.0            7.0            9.0            8.0
## 4587     3.0        5.0            5.0            6.0            6.0
## 4588     8.0        7.0            8.0            5.0            7.0
## 4589     7.0        7.0            6.0            7.0            6.0
## 4590     8.0        7.0            7.0            7.0            8.0
## 4591     7.0        8.0            8.0            6.0            5.0
## 4592     9.0         NA            9.0            5.0            7.0
## 4593     8.0        7.0            8.0            3.0            6.0
## 4594     7.0        7.0            7.0            6.0            7.0
## 4595     8.0        8.0            8.0            4.0            6.0
## 4596     8.0        8.0            7.0            4.0            7.0
## 4597    10.0        9.0            9.0            3.0            6.0
## 4598     8.0        5.0            6.0            5.0            8.0
## 4599      NA         NA            8.0            3.0            6.0
## 4600     8.0        8.0            7.0            7.0            7.0
## 4601     7.0        5.0            5.0            6.0            8.0
## 4602     6.0        7.0            6.0            6.0            7.0
## 4603     6.0        6.0            6.0            4.0            8.0
## 4604     9.0        8.0            8.0            5.0            7.0
```

```
## 4605    5.0    9.0    8.0    7.0    7.0
## 4606    5.0    5.0     NA    4.0    6.0
## 4607    4.0    2.0    2.0    4.0    6.0
## 4608    6.0    8.0    6.0    5.0    5.0
## 4609    6.0    8.0    6.0    4.0    5.0
## 4610    8.0    8.0    7.0    6.0    6.0
## 4611    6.0    9.0    2.0    5.0    7.0
## 4612    6.0    8.0    6.0    7.0    7.0
## 4613    7.0    7.0    6.0    7.0    5.0
## 4614    6.0    9.0    6.0    6.0    7.0
## 4615    3.0    9.0    4.0    5.0    7.0
## 4616    8.0    8.0    6.0    6.0    6.0
## 4617    7.0    8.0    6.0    9.0    8.0
## 4618    5.0    8.0    4.0    7.0    8.0
## 4619    6.0    6.0    6.0    9.0    8.0
## 4620    6.0     NA     NA    7.0    7.0
## 4621    5.0    5.0    5.0    7.0    8.0
## 4622    5.0    9.0    5.0    6.0    8.0
## 4623    8.0    8.0    8.0    8.0    7.0
## 4624    9.0    9.0    4.0    7.0    9.0
## 4625    8.0    7.0    7.0    5.0    9.0
## 4626    5.0    6.0    5.0    5.0    8.0
## 4627     NA    6.0    5.0    2.0    8.0
## 4628    5.0    8.0    5.0    7.0    7.0
## 4629    3.0    8.0    2.0    7.0    9.0
## 4630    8.0    7.0    8.0    9.0    8.0
## 4631    8.0    8.0    6.0    8.0    8.0
## 4632    6.0    7.0    6.5   10.0    8.0
## 4633    9.0    9.0    8.0    7.0    8.0
## 4634    9.0    9.0     NA    5.0    6.0
## 4635    9.0    8.0    8.0    6.0    8.0
## 4636    8.0    9.0    7.0    7.0    6.0
## 4637    9.0    9.0    9.0    5.0    6.0
## 4638   10.0   10.0    8.0    5.0    8.0
## 4639   10.0    7.0   10.0    6.0    8.0
## 4640    7.0    8.0    4.0    5.0    6.0
## 4641    7.0    8.0     NA    4.0    5.0
## 4642    7.0    8.0    5.0    6.0    5.0
## 4643    9.0    9.0    5.0    8.0    8.0
## 4644    5.0    9.0    7.0    5.0    6.0
## 4645    7.0    8.0    6.0    6.0    6.0
## 4646    8.0    7.0    7.0    7.0    7.0
## 4647    7.0    7.0    5.0    8.0    7.0
## 4648    9.0     NA     NA    4.0    7.0
## 4649    9.0    8.0    8.0    5.0   10.0
## 4650    7.0    9.0    8.0    8.0    4.0
## 4651    7.0    7.0    5.0    4.0    8.0
## 4652    9.0    9.0    8.0    5.0    8.0
## 4653   10.0    9.0    9.0    4.0    7.0
## 4654   10.0    5.0    5.0    4.0   10.0
## 4655     NA   10.0     NA    4.0    7.0
## 4656    9.0    8.0    7.0    7.0    7.0
## 4657   10.0    7.0    8.0    8.0    6.0
## 4658    9.0    7.0    3.0    8.0    9.0
```

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## 4659    8.0     8.0      6.0      7.0     10.0
## 4660    8.0     5.0      7.0      7.0      7.0
## 4661    5.0     7.0      5.0      6.0      7.0
## 4662    8.0     8.0      8.0      6.0      6.0
## 4663    6.0     6.0      8.0      4.0      5.0
## 4664    7.0     9.0      9.0      7.0      7.0
## 4665    6.0     7.0      5.0      5.0      6.0
## 4666    9.0     9.0      6.0      4.0      7.0
## 4667    7.0    10.0      6.0      7.0      7.0
## 4668    5.0    10.0      2.0      7.0      7.0
## 4669     NA      NA       NA      4.0      3.0
## 4670    6.0     7.0      5.0      6.0      4.0
## 4671    3.0     7.0      2.0      5.0      6.0
## 4672    5.0     7.0      8.0      5.0      6.0
## 4673    5.0     5.0      6.0      4.0      6.0
## 4674    6.0     6.0      5.0      6.0      6.0
## 4675    8.0     7.0      7.0     10.0      9.0
## 4676    5.0      NA       NA      6.0      9.0
## 4677    6.0     5.0      5.0      6.0      9.0
## 4678    8.0     9.0     10.0      9.0      9.0
## 4679    6.0     7.0      8.0      7.0      8.0
## 4680    8.0     8.0      8.0      7.0      9.0
## 4681   10.0     9.0     10.0      6.0      8.0
## 4682    5.0     6.0      6.0      5.0      6.0
## 4683    5.0      NA       NA      7.0      8.0
## 4684    5.0     5.0      4.0      9.0      7.0
## 4685    5.0     6.0      0.0      6.0      6.0
## 4686    5.0     9.0      6.0      6.0      8.0
## 4687    6.0     6.0      5.0      8.0      6.0
## 4688    7.0     5.0      5.0      9.0      9.0
## 4689    5.0     7.0      9.0     10.0      8.0
## 4690    5.0      NA       NA      5.0      7.0
## 4691    5.0     5.0      5.0      5.0      8.0
## 4692    6.0     8.0      7.0      6.0     10.0
## 4693    6.0     7.0      5.0      6.0     10.0
## 4694    7.0     7.0      4.0      6.0     10.0
## 4695    9.0    10.0      9.0      9.0      4.0
## 4696    4.0    10.0      5.0      7.0      8.0
## 4697    6.0     8.0       NA      5.0      8.0
## 4698    7.0     8.0      7.0      7.0      7.0
## 4699    3.0     7.0      3.0      5.0      7.0
## 4700    5.0     5.0      5.0      8.0      2.0
## 4701    6.0     6.0      5.0      6.0      7.0
## 4702    5.0     4.0      4.0      6.0      8.0
## 4703    4.0     7.0      1.0      7.0      7.0
## 4704    5.0      NA       NA      4.0      5.0
## 4705    9.0     9.0      7.0      4.0      7.0
## 4706    7.0     8.0      5.0      6.0      7.0
## 4707    7.0     7.0      7.0      4.0      7.0
## 4708    2.0     2.0      2.0      6.0      7.0
## 4709    9.0     8.0      9.0      4.0      7.0
## 4710    7.0     9.0      6.0      6.0      7.0
## 4711     NA      NA       NA      6.0      6.0
## 4712    6.0     8.0      5.0      5.0      7.0
```

```
## 4713     3.0       5.0          0.0           4.0          7.0
## 4714     6.0       6.0          5.0           4.0          8.0
## 4715     6.0       6.0          4.0           4.0          8.0
## 4716     5.0       8.0          5.0           6.0          8.0
## 4717     7.0       7.0          7.0           8.0          NA
## 4718     7.0       5.0          4.0          10.0          NA
## 4719     6.0       6.0          6.0           8.0          NA
## 4720     2.0       2.0          NA            5.0          NA
## 4721     8.0       8.0          1.0           8.0          NA
## 4722     7.0       7.0          6.0           8.0          NA
## 4723     5.0       6.0          5.0           5.0          NA
## 4724     7.0       8.0          8.0           6.0          7.0
## 4725     7.0       7.0          7.0           8.0          7.0
## 4726     6.0       6.0          7.0           8.0          7.0
## 4728     3.0       4.0          2.0           6.0          7.0
## 4729     7.0       7.0          8.0           6.0          8.0
## 4730     6.0       6.0          5.0           6.0          7.0
## 4731    10.0      10.0         10.0           1.0         10.0
## 4732     7.0       6.0          6.0           3.0          6.0
## 4733     6.0       6.0          6.0           2.0          6.0
## 4734     7.0       NA           7.0           1.0          7.0
## 4735     8.0       6.0          8.0           3.0          7.0
## 4736     7.0       6.0          5.0           1.0          7.0
## 4737     5.0       6.0          5.0           1.0          7.0
## 4738    10.0       8.0          8.0           5.0          7.0
## 4739     7.0       6.0          6.0           7.0          7.0
## 4740     8.0       7.0          7.0           7.0          6.0
## 4741     7.0       7.0          NA            8.0          7.0
## 4742     7.0       5.0          6.0           6.0          7.0
## 4743    10.0       8.0          9.0           6.0          8.0
## 4744     7.0       6.0          7.0           5.0          5.0
## 4745     8.0       8.0          8.0           7.0         10.0
## 4746     5.0       6.0          3.0           9.0         10.0
## 4747     8.0       6.0          7.0           8.0         10.0
## 4748     6.0       6.0          3.0           7.0         10.0
## 4749     8.0       7.0          6.0           7.0         10.0
## 4750     7.0       7.0          7.0           8.0         10.0
## 4751     8.0       8.0          8.0           7.0         10.0
## 4752    10.0       9.0          9.0           5.0         10.0
## 4753     8.0       7.0          8.0           8.0          8.0
## 4754     8.0       8.0          6.0           8.0          8.0
## 4755     6.0       5.0          7.0           8.0         10.0
## 4756     7.0       6.0          5.0           8.0          8.0
## 4757     9.0       9.0          8.0           8.0         10.0
## 4758     7.0       8.0          7.0           8.0          8.0
## 4759    10.0       9.0          9.0           6.0          8.0
## 4760     6.0       6.0          7.0           8.0          8.0
## 4761     7.0       6.0          8.0           8.0          6.0
## 4762     6.0       6.0          6.0           8.0          7.0
## 4763     4.0       9.0          2.0           6.0          8.0
## 4764     7.0       7.0          6.0           7.0          9.0
## 4765     8.0       7.0          7.0           5.0          7.0
## 4766     5.0       5.0          5.0           6.0          7.0
## 4767     5.0       6.0          3.0           7.0          6.0
```

```
## 4768     5.0       5.0          5.0             8.0         6.0
## 4769     5.0        NA          5.0             6.0         7.0
## 4770     1.0       7.0          1.0             7.0         7.0
## 4771     6.0       6.0          6.0             6.0         8.0
## 4772     6.0       7.0          6.0             3.0         7.0
## 4773     6.0       6.0          6.0             3.0         9.0
## 4774     9.0       6.0          7.0             8.0         9.0
## 4775     7.0       8.0          7.0             6.0         8.0
## 4776     8.0       6.0          8.0             6.0         7.0
## 4777     6.0       9.0          1.0             4.0         9.0
## 4778     8.0       8.0          6.0             4.0         8.0
## 4779     7.0       9.0          6.0             4.0         9.0
## 4780     6.0       6.0          5.0             4.0         8.0
## 4781     2.0       6.0          5.0            10.0         8.0
## 4782     7.0       5.0          7.0            10.0         8.0
## 4783     3.0       3.0           NA             7.0         7.0
## 4784     5.0       8.0          2.0             6.0         7.0
## 4785     6.0       6.0          6.0             5.0         7.0
## 4786     5.0       7.0          6.0             4.0         8.0
## 4787     8.0        NA         10.0             7.0         7.0
## 4788     8.0       6.0          6.0             8.0        10.0
## 4789     6.0       5.0          1.0            10.0        10.0
## 4790     7.0       7.0          5.0             5.0        10.0
## 4791    10.0        NA          9.0             6.0        10.0
## 4792     8.0       8.0          2.0             9.0        10.0
## 4793    10.0       8.0          6.0            10.0        10.0
## 4794     5.0       6.0           NA             4.0         6.0
## 4795     4.0       6.0          2.0             7.0         7.0
## 4796     5.0       6.0          3.0             4.0         8.0
## 4797    10.0        NA          8.0             6.0         6.0
## 4798     7.0       6.0          6.0             8.0         8.0
## 4799     7.0       6.0          3.0             7.0         8.0
## 4800     7.0       5.0          5.0             5.0         8.0
## 4801    10.0        NA          7.0             4.0         7.0
## 4802    10.0        NA         10.0             7.0         8.0
## 4803     8.0       6.0          8.0             6.0         8.0
## 4804     7.0       8.0           NA             4.0         6.0
## 4805     8.0       9.0          7.0             9.0         8.0
## 4806     7.0       5.0          4.0             3.0         4.0
## 4807    10.0        NA         10.0             6.0         7.0
## 4808     7.0       7.0          6.0             8.0         7.0
## 4809     9.0       5.0          2.0             6.0         8.0
## 4810     8.0       6.0          5.0             7.0         8.0
## 4811    10.0       7.0          6.0             6.0         8.0
## 4812     8.0       8.0          8.0             9.0         7.0
## 4813     8.0       8.0          5.0             8.0         8.0
## 4814     7.0       8.0           NA             6.0         7.0
## 4815     7.0       6.0          6.0             8.0         8.0
## 4816     6.0       6.0          7.0             5.0         8.0
## 4817     7.0        NA           NA             5.0         4.0
## 4818      NA        NA           NA             8.0         8.0
## 4819     6.0      10.0          1.0             6.0         7.0
## 4820     5.0       7.0          5.0             4.0         8.0
## 4821     6.0      10.0          6.0             4.0         7.0
```

```
## 4822     8.0        8.0             8.0             7.0             6.0
## 4823     8.0        8.0             8.0             5.0             8.0
## 4824     6.0        8.0             6.0             5.0             7.0
## 4825     6.0        8.0             6.0             8.0             8.0
## 4826     5.0        6.0             5.0             3.0             6.0
## 4827    10.0         NA              NA             6.0             8.0
## 4828     6.0        6.0             6.0             6.0             5.0
## 4829     9.0        6.0             2.0             7.0             7.0
## 4830     8.0        5.0             5.0             6.0             8.0
## 4831     9.0         NA             9.0             4.0             8.0
## 4832    10.0        8.0             5.0             8.0             5.0
## 4833     8.0        7.0             8.0             5.0             7.0
## 4834     6.0        7.0             6.0             2.0             2.0
## 4835     4.0        7.0             4.0             6.0             3.0
## 4836     4.0        6.0             2.0             2.0             7.0
## 4837    10.0         NA             8.0             9.0             9.0
## 4838     7.0        6.0             8.0            10.0            10.0
## 4839     7.0        6.0             1.0             6.0             6.0
## 4840     7.0        7.0             7.0            10.0             9.0
## 4841    10.0        9.0             7.0             7.0            10.0
## 4842     8.0        8.0             8.0            10.0            10.0
## 4843     8.0        7.0             6.0             9.0             6.0
## 4844     6.0        7.0             3.0             7.0             9.0
## 4845     4.0        6.0             2.0            10.0             7.0
## 4846     5.0        4.0             5.0             8.0             9.0
## 4847     8.0         NA              NA             6.0             6.0
## 4848     6.0        6.0             6.0             6.0             6.0
## 4849     2.0        5.0             2.0             5.0             6.0
## 4850     5.0        7.0             5.0             5.0             6.0
## 4851     8.0         NA             6.0             5.0             8.0
## 4852     8.0        8.0             3.0             8.0             8.0
## 4853     5.0       10.0             5.0             8.0             8.0
## 4854     6.0        8.0             2.0             6.0             8.0
## 4855     6.0        8.0             2.0             7.0             7.0
## 4856     4.0        7.0             3.0             6.0             5.0
## 4857     7.0        7.0             1.0             4.0             3.0
## 4858     8.0        8.0             8.0             6.0             4.0
## 4859     6.0        5.0             5.0             4.0            10.0
## 4860     9.0        8.0             8.0             6.0            10.0
## 4861     8.0        6.0             8.0             7.0             7.0
## 4862     8.0        7.0             9.0             8.0             8.0
## 4863     7.0        6.0             7.0             6.0            10.0
## 4864     8.0        7.0             8.0             2.0             8.0
## 4866     7.0        5.0             3.0             8.0             8.0
## 4867     7.0        4.0             5.0             6.0             5.0
## 4869     8.0        8.0             8.0             8.0             8.0
## 4870     5.0        5.0             5.0             6.0            10.0
## 4871     7.0        5.0             3.0            10.0             9.0
## 4872     7.0        7.0             7.0             8.0             8.0
## 4873     8.0        7.0             6.0             6.0             6.0
## 4874     5.0       10.0             4.0             8.0             8.0
## 4875      NA         NA              NA             4.0             6.0
## 4876     7.0        7.0             7.0             5.0             4.0
## 4877     7.0        8.0             6.0             4.0             5.0
```

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## 4878      9.0       8.0           7.0             5.0           6.0
## 4879      7.0       6.0           4.0             5.0           6.0
## 4880      6.0       6.0           6.0             6.0           5.0
## 4881      9.0       8.0           7.0             8.0           9.0
## 4882      8.0       7.0           6.0             6.0           6.0
## 4883      5.0       5.0           6.0             4.0           4.0
## 4884      4.0       3.0           3.0             8.0           8.0
## 4885      5.0       5.0           5.0             7.0           7.0
## 4886      6.0       5.0            NA             6.0           5.0
## 4888      4.0       5.0           5.0             3.0           5.0
## 4889      5.0       5.0           3.0            10.0           7.0
## 4890      7.0       9.0           8.0             7.0           8.0
## 4891      5.0       8.0           4.0             5.0           6.0
## 4892      5.0       8.0           3.0             7.0           7.0
## 4893      8.0       9.0           8.0             3.0           5.0
## 4894      7.0       7.0           7.0             5.0           5.0
## 4895      6.0       8.0           4.0             7.0           7.0
## 4896      6.0       8.0           6.0             5.0           8.0
## 4897      8.0       9.0           7.0             6.0           6.0
## 4898      7.0       5.0           6.0             9.0           8.0
## 4899      4.0       6.0           9.0             8.0           8.0
## 4900      6.0       6.0           5.0             5.0           6.0
## 4901      8.0       7.0           4.0             5.0           6.0
## 4902      2.0       6.0           1.0             7.0           7.0
## 4903      3.0       7.0           8.0             6.0           6.0
## 4904      5.0       6.0            NA             8.0           7.0
## 4905      8.0       9.0           6.0             9.0           8.0
## 4906      4.0       5.0           5.0             7.0           8.0
## 4908      5.0       9.0           4.0             8.0           8.0
## 4910      6.0       9.0           4.0             7.0           7.0
## 4911      9.0      10.0           9.0             6.0           9.0
## 4912      8.0       8.0           8.0             6.0           6.0
## 4913      6.0       8.0           5.0             5.0           5.0
## 4914     10.0       8.0           9.0             9.0           9.0
## 4915      7.0       7.0           6.0             6.0           6.0
## 4916      8.0       9.0           8.0             8.0           8.0
## 4917      5.0       6.0           7.0             7.0           8.0
## 4918      8.0       8.0           8.0             6.0           7.0
## 4919     10.0       9.0           6.0             6.0           6.0
## 4920      5.0       7.0           6.0             9.0           8.0
## 4921      3.0       7.0           5.0             9.0           8.0
## 4923     10.0       9.0           9.0             9.0           9.0
## 4925      5.0       7.0           5.0             8.0           6.0
## 4926      7.0       7.0           7.0             6.0           6.0
## 4927      7.0       6.0           5.0             6.0           7.0
## 4928      7.0       7.0           6.0             5.0           6.0
## 4930      7.0       7.0           7.0             6.0          10.0
## 4931      7.0       6.0           7.0             4.0          10.0
## 4932      9.0       9.0           7.0             6.0           8.0
## 4933      6.0       5.0           2.0            10.0           9.0
## 4934      5.0       5.0           5.0             9.0          10.0
## 4935      8.0       6.0           5.0             7.0          10.0
## 4936      8.0       7.0           7.0             8.0          10.0
## 4937      8.0       8.0           8.0             7.0          10.0
```

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## 4938    8.0     10.0      7.0      10.0      9.0
## 4939    4.0      5.0      5.0       8.0     10.0
## 4940    7.0      8.0      7.0       8.0      7.0
## 4941   10.0      6.0      6.0      10.0      9.0
## 4942    4.0      4.0      5.0       5.0     10.0
## 4943    5.0      4.0      3.0      10.0      8.0
## 4944     NA       NA       NA       5.0      8.0
## 4945    8.0      9.0      5.0       5.0     10.0
## 4946    8.0      7.0      5.0       8.0      9.0
## 4947    4.0      3.0      1.0       4.0      1.0
## 4948     NA       NA       NA       7.0      8.0
## 4949    3.0      2.0      1.0       6.0     10.0
## 4950    5.0      8.0      5.0       7.0     10.0
## 4951    4.0      3.0      3.0       9.0       NA
## 4952    5.0      6.0      4.0       7.0      9.0
## 4955    4.0      4.0      3.0       7.0     10.0
## 4956    6.0      7.0      2.0       8.0      8.0
## 4957    6.0      6.0      5.0       8.0     10.0
## 4958    4.0      4.0      1.0       7.0      9.0
## 4959    2.0      2.0      0.0       9.0      8.0
## 4960    4.0      5.0      4.0       5.0      8.0
## 4961    1.0      2.0      1.0       8.0      4.0
## 4962    7.0      7.0      5.0       6.0      7.0
## 4963    4.0      6.0      2.0       8.0      4.0
## 4965    8.0      9.0      8.0       8.0     10.0
## 4966    6.0      6.0      6.0       7.0      6.0
## 4967    7.0      7.0      4.0       9.0      9.0
## 4968   10.0      8.0      8.0       9.0      8.0
## 4969    5.0      7.0      2.0       7.0     10.0
## 4970    6.0      5.0      4.0       9.0     10.0
## 4971    6.0      6.0      6.0       7.0      7.0
## 4972     NA       NA       NA       7.0      8.0
## 4973    4.0      4.0      3.0       8.0      7.0
## 4974    5.0      5.0      3.0       9.0      9.0
## 4975    6.0      7.0      5.0      10.0      9.0
## 4976    6.0      5.0      6.0       9.0      8.0
## 4977   10.0      8.0      9.0       9.0      9.0
## 4978    5.0      4.0      4.0       7.0     10.0
## 4979    5.0      5.0      3.0       9.0      9.0
## 4980    6.0      6.0      6.0       7.0      8.0
## 4981    9.0      8.0      6.0       8.0      8.0
## 4982    8.0      7.0      4.0       8.0      9.0
## 4983   10.0     10.0      9.0       2.0      8.0
## 4984    9.0      8.0      8.0       4.0      7.0
## 4985    8.0      8.0      7.0       4.0      8.0
## 4986    8.0      9.0      6.0       5.0      6.0
## 4987    5.0      6.0      4.0       6.0      5.0
## 4988    9.0      8.0      9.0       6.0      8.0
## 4989    7.0      7.0      8.0       4.0      8.0
## 4990    8.0      8.0      7.0       4.0      8.0
## 4992    6.0      5.0      2.0       8.0      6.0
## 4993    7.0      7.0      5.0       7.0      8.0
## 4994    9.0      8.0       NA       7.0      8.0
## 4995   10.0     10.0     10.0       9.0      8.0
```

```
## 4996    6.0     6.0     6.0     5.0      9.0
## 4997    8.0     5.0     8.0     9.0      8.0
## 4998    7.0     7.0     6.0     6.0      4.0
## 4999    8.0     8.0     5.0     5.0      7.0
## 5000    6.0     5.0     3.0     6.0      6.0
## 5001    9.0     8.0     8.0     4.0      9.0
## 5002    7.0     7.0     7.0     5.0      8.0
## 5003    8.0     7.0     8.0     4.0      8.0
## 5004    8.0     9.0     7.0     5.0      8.0
## 5005    7.0     6.0     8.0     7.0      8.0
## 5006    8.0     7.0     8.0     6.0      9.0
## 5007    7.0     6.0     6.0     6.0      9.0
## 5008    8.0     7.0     6.0     6.0     10.0
## 5009    9.0    10.0     5.0     5.0      1.0
## 5010    7.0     9.0     6.0     8.0      8.0
## 5011    6.0     5.0     5.0     8.0      7.0
## 5012    6.0     5.0     5.0     6.0      6.0
## 5013    9.0    10.0     9.0     8.0      8.0
## 5014    7.0     6.0     5.0     4.0      6.0
## 5015    7.0     6.0     6.0     9.0      6.0
## 5016    4.0     5.0     5.0     6.0      8.0
## 5017    6.0     6.0     4.0     5.0      5.0
## 5018    8.0     9.0     7.0     7.0      7.0
## 5020    7.0     7.0     7.0     7.0      7.0
## 5021    6.0     7.0     6.0     7.0      7.0
## 5022    9.0     9.0     7.0     8.0      8.0
## 5023    5.0     5.0     4.0     6.0      6.0
## 5024    6.0     6.0     7.0     8.0      8.0
## 5025    4.0     4.0     4.0     7.0      7.0
## 5026    7.0     7.0     6.0     7.0      7.0
## 5027    4.0     5.0     4.0     7.0      8.0
## 5028    1.0     6.0     1.0     9.0      8.0
## 5029     NA      NA      NA     3.0      3.0
## 5030    4.0     4.0     3.0     7.0      7.0
## 5031    9.0     9.0     9.0     9.0      9.0
## 5032    5.0     5.0     6.0     7.0      7.0
## 5033    6.0     6.0     6.0     8.0      8.0
## 5034    5.0     6.0     5.0     7.0      7.0
## 5035    5.0     8.0     4.0     5.0      6.0
## 5036    6.0     5.0     4.0     5.0      7.0
## 5037    6.0     6.0     4.0     6.0      6.0
## 5038    6.0     6.0     6.0     6.0      8.0
## 5039    7.0     7.0     8.0     6.0      8.0
## 5040    8.0     8.0     7.0     8.0      9.0
## 5041    4.0     6.0     4.0     8.0      6.0
## 5042    6.0     5.0     5.0     9.0      8.0
## 5043    3.0     5.0     4.0     7.0      8.0
## 5044    7.0     6.0     6.0     8.0      8.0
## 5045    6.0     6.0     3.0     7.0      7.0
## 5046    1.0     5.0     1.0     9.0      7.0
## 5047    3.0     3.0     2.0     8.0      6.0
## 5048    4.0     4.0     4.0     7.0      8.0
## 5049    8.0     7.0     8.0     9.0      9.0
## 5050    5.0     5.0     6.0     7.0      7.0
```

```
## 5051     4.0        4.0          3.0          9.0          7.0
## 5052     6.0        5.0          5.0          7.0          7.0
## 5053     5.0        6.0          2.0          6.0          5.0
## 5054     6.0        5.0          5.0          6.0          6.0
## 5055     3.0        3.0          3.0          4.0          4.0
## 5056     6.0        6.0          6.0          5.0          6.0
## 5057     5.0        6.0          4.0          6.0          8.0
## 5058     6.0        6.0          4.0          6.0          7.0
## 5059     5.0        7.0          4.0          6.0          6.0
## 5060     4.0        3.0          2.0          5.0          8.0
## 5063     5.0        5.0          6.0          8.0          8.0
## 5064     5.0        6.0          2.0          6.0          7.0
## 5065     2.0        9.0          2.0          7.0          7.0
## 5066     4.0        4.0          4.0          7.0          8.0
## 5067     7.0        4.0          0.0          7.0          7.0
## 5068     4.0        6.0          5.0          6.0          7.0
## 5069     2.0        3.0          2.0          6.0          6.0
## 5070     5.0        5.0          4.0          7.0          7.0
## 5071     6.0        7.0          4.0          4.0          5.0
## 5072     8.0        5.0          5.0          4.0          5.0
## 5073    10.0        9.0          9.0          1.0         10.0
## 5074     8.0        8.0          8.0          4.0         10.0
## 5075     8.0        8.0          7.0          1.0         10.0
## 5076     9.0        8.0          8.0          7.0         10.0
## 5077     8.0        7.0          6.0          9.0         10.0
## 5078     9.0        8.0          7.0          9.0         10.0
## 5079     8.0        7.0          8.0          2.0          8.0
## 5080     8.0        8.0          9.0          8.0          9.0
## 5081    10.0       10.0         10.0          5.0         10.0
## 5082     8.0        6.0          8.0          7.0          9.0
## 5083    10.0        7.0         10.0          9.0         10.0
## 5084     7.0        7.0          8.0          4.0          8.0
## 5085     9.0        9.0         10.0          7.0          7.0
## 5087     4.0        6.0          3.0          7.0         10.0
## 5088     4.0        6.0          6.0          4.0         10.0
## 5089     8.0        5.0          4.0          2.0          8.0
## 5090     8.0        6.0          5.0          7.0          9.0
## 5091     7.0        7.0          4.0          4.0          8.0
## 5092     8.0        8.0          8.0          5.0          8.0
## 5093     7.0        8.0          7.0          5.0          6.0
## 5094     8.0        9.0          7.0          5.0         10.0
## 5095     8.0        5.0          8.0          8.0          9.0
## 5096     9.0        9.0          8.0          9.0          8.0
## 5097     8.0        6.0          5.0          7.0          6.0
## 5098     8.0        7.0          7.0          7.0          6.0
## 5101     7.0        5.0          5.0          9.0          8.0
## 5102     7.0        6.0          6.0          5.0          6.0
## 5103     8.0        8.0          8.0          9.0          8.0
## 5105     2.0        5.0          2.0          9.0          6.0
## 5106     5.0        6.0          5.0          7.0          9.0
## 5107     7.0        6.0          5.0          6.0          7.0
## 5108     8.0        6.0          5.0          7.0          6.0
## 5109     8.0        9.0          7.0          4.0          8.0
## 5112     4.0        9.0          6.0          7.0          6.0
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```
## 5113    8.0     8.0        9.0         5.0       7.0
## 5115    6.0     7.0        7.0         5.0       9.0
## 5116    7.0     7.0        7.0         7.0       9.0
## 5119    2.0     4.0        3.0         7.0       6.0
## 5122    4.0     5.0        5.0         4.0       6.0
## 5123    5.0     5.0        3.0         5.0       6.0
## 5124    6.0     8.0        7.0         5.0       6.0
## 5127    5.0     5.0        5.0         2.0       6.0
## 5128    7.0     7.0        7.0         3.0       7.0
## 5129    7.0     7.0        5.0         4.0       8.0
## 5130    9.0     9.0        8.0         6.0       8.0
## 5131    9.0     7.0        6.0         6.0       7.0
## 5132    8.0     8.0        8.0         6.0       8.0
## 5133    6.0     6.0        5.0         6.0       6.0
## 5134    8.0     7.0        7.0         4.0       8.0
## 5136    6.0     6.0        5.0         6.0       8.0
## 5137    4.0     7.0        1.0         6.0       7.0
## 5138    7.0     6.0        5.0         4.0       5.0
## 5139    9.0     9.0         NA         6.0       8.0
## 5140    6.0     7.0        8.0         5.0       8.0
## 5141    7.0     7.0        6.0         7.0       6.0
## 5142    8.0     7.0        9.0         5.0       8.0
## 5143    7.0     8.0        8.0         5.0       7.0
## 5144    5.0     4.0        4.0         5.0       7.0
## 5145    5.0    10.0        7.0         6.0       7.0
## 5146    7.0     8.0        8.0         6.0       8.0
## 5147    7.0     8.0        6.0         6.0       7.0
## 5148    5.0    10.0        7.0         6.0       7.0
## 5150    8.0     8.0        7.0         8.0       8.0
## 5151    7.0     8.0        6.0         7.0       8.0
## 5152    7.0     9.0        7.0         7.0       7.0
## 5153    6.0    10.0        3.0         7.0       8.0
## 5154    8.0    10.0        9.0         7.0       7.0
## 5155    3.0     7.0        7.0         7.0       7.0
## 5156    6.0     7.0        6.0         7.0       7.0
## 5157    9.0    10.0        8.0         9.0       7.0
## 5158    4.0     5.0        6.0         6.0       7.0
## 5159    7.0     9.0        6.0         8.0       8.0
## 5160   10.0    10.0       10.0        10.0      10.0
## 5161    7.0     9.0        0.0         7.0       8.0
## 5162    6.0     7.0        4.0         7.0       7.0
## 5163    7.0     7.0        7.0         5.0       8.0
## 5164    7.0     7.0        7.0         6.0       6.0
## 5165    6.0     8.0        6.0         6.0       5.0
## 5166    8.0    10.0        8.0         6.0       4.0
## 5168    8.0     6.0        7.0         8.0       9.0
## 5169    6.0     6.0        7.0         8.0       9.0
## 5171    8.0     9.0        9.0         7.0       4.0
## 5172    4.0     4.0        1.0         7.0       8.0
## 5173    1.0     7.0        4.0         6.0       7.0
## 5174    1.0     6.0        0.0         7.0       6.0
## 5175    6.0     5.0        1.0         9.0       8.0
## 5176    5.0     4.0        3.0         7.0       5.0
## 5177    1.0     3.0        1.0         9.0       6.0
```

```
## 5178    8.0      8.0        7.0        6.0        5.0
## 5179    4.0      8.0        2.0        4.0        8.0
## 5180    5.0      8.0        4.0        6.0        5.0
## 5181    8.0      9.0        6.0        4.0        4.0
## 5182    7.0      7.0        7.0        5.0        6.0
## 5183    5.0      5.0        4.0        4.0        4.0
## 5184    6.0      7.0        7.0        6.0        8.0
## 5185    5.0      6.0        5.0        7.0        8.0
## 5186    6.0      9.0        6.0        6.0        7.0
## 5187    5.0      7.0        4.0        7.0        6.0
## 5188    8.0      7.0        7.0        8.0        8.0
## 5189    8.0      5.0        4.0        6.0        7.0
## 5191    2.0      5.0        7.0        8.0        7.0
## 5192    NA       NA         NA         7.0        6.0
## 5194    5.0      4.0        5.0        6.0        7.0
## 5195    7.0      8.0        5.0        9.0        5.0
## 5196    5.0      5.0        5.0        5.0        6.0
## 5197    8.0      7.0        8.0        7.0        6.0
## 5198    4.0      7.0        4.0        6.0        7.0
## 5199    3.0      6.0        1.0        7.0        8.0
## 5201    5.0      5.0        5.0       10.0       10.0
## 5202    8.0      9.0        7.0        9.0        9.0
## 5204    4.0      4.0        5.0        4.0        9.0
## 5205    7.0     10.0        6.0        7.0        7.0
## 5206    2.0      8.0        NA        10.0       10.0
## 5207    4.0      9.0        6.0       10.0       10.0
## 5208    NA       NA         NA         5.0        9.0
## 5209    6.0      6.0        5.0        6.0       10.0
## 5210    4.0      5.0        NA         4.0        9.0
## 5211    6.0      6.0        4.0       10.0        9.0
## 5212    9.0      8.0        7.0        7.0        8.0
## 5213    5.0      NA         5.0        9.0       10.0
## 5214    0.0      3.0        0.0        7.0        8.0
## 5215    6.0      8.0        6.0        7.0        9.0
## 5216    6.0      NA         7.0        9.5        9.0
## 5217    2.0      6.0        2.0        9.0       10.0
## 5218    8.0      8.0        8.0        8.0        8.0
## 5219    6.0      4.0        NA         6.0        7.0
## 5220    7.0      7.0        5.0        7.0        7.0
## 5221    8.0      8.0        6.0        8.0        8.0
## 5222    8.0      8.0        3.0        7.0        7.0
## 5224    6.0      7.0        3.0        5.0        8.0
## 5225    7.0      8.0        8.0        8.0        8.0
## 5226    6.0      6.0        5.0        8.0        8.0
## 5227    7.0      7.0        7.0        7.0        7.0
## 5228    7.0      5.0        8.0        6.0        8.0
## 5229    5.0      6.0        NA         6.0        8.0
## 5230   10.0      7.0       10.0        6.0        8.0
## 5231    8.0      8.0        7.0        8.0        8.0
## 5233    4.0      5.0        3.0        7.0        7.0
## 5234    7.0      7.0        6.0        8.0        8.0
## 5235    NA       7.0        7.0        7.0        8.0
## 5236    5.0      5.0        5.0        6.0        8.0
## 5237    8.0      8.0        4.0        6.0        7.0
```

```
## 5238     4.0      6.0          NA         6.0       8.0
## 5239     6.0      6.0          5.0        4.0       7.0
## 5240     5.0      5.0          5.0        6.0       7.0
## 5241     6.0     10.0          1.0        5.0       8.0
## 5242     7.0      6.0          5.0        2.0       4.0
## 5243     8.0      7.0          6.0        6.0       8.0
## 5244     3.0      7.0          NA         7.0       8.0
## 5245     5.0      5.0          4.0        7.0       8.0
## 5246     7.0      7.0          7.0        7.0       7.0
## 5247     7.0      7.0          8.0        8.0       8.0
## 5248     7.0      6.0          NA         5.0       7.0
## 5249     3.0      5.0          2.0        7.0       7.0
## 5250     7.0      8.0          7.0        6.0       8.0
## 5252     4.0      4.0          3.0        6.0       7.0
## 5253     7.0      7.0          6.0        7.0       8.0
## 5254     6.0      6.0          3.0        7.0       6.0
## 5255     5.0      6.0          3.0        4.0       6.0
## 5256     8.0      8.0          4.0        8.0       9.0
## 5257     6.0      7.0          0.0        6.0       7.0
## 5258     6.0      7.0          5.0        3.0       9.0
## 5259     9.0      7.0          7.0        8.0       7.0
## 5260    10.0      9.0          6.0        7.0       9.0
## 5261     7.0      7.0          5.0        3.0       8.0
## 5262     9.0      8.0          7.0        6.0       8.0
## 5263     7.0      8.0          6.0        9.0       8.0
## 5264     6.0      5.0          7.0        6.0       9.0
## 5265     8.0      8.0          8.0        9.0       9.0
## 5266     8.0      6.0          9.0        7.0       9.0
## 5267     8.0      6.0          7.0        5.0       8.0
## 5268     8.0      NA           8.0        8.0       7.0
## 5269     9.0      8.0          9.0        7.0       9.0
## 5270     6.0      6.0          5.0        9.0       7.0
## 5271     7.0      6.0          6.0       10.0       9.0
## 5272     7.0      7.0          7.0        7.0       7.0
## 5273     4.0      4.0          6.0        8.0      10.0
## 5274     7.0      8.0          5.0        9.0       8.0
## 5275     7.0     10.0          6.0        6.0       7.0
## 5276     6.0      5.0          NA         5.0       5.0
## 5277     6.0      NA           NA         6.0       9.0
## 5278     6.0      6.0          6.0        8.0       6.0
## 5279     7.0      9.0          7.0        3.0       8.0
## 5280     NA       NA           NA         4.0       8.0
## 5281     9.0     10.0          2.0        2.0       7.0
## 5282     7.0      8.0          8.0        7.0       7.0
## 5283     9.0      7.0          7.0        9.0       6.0
## 5284     6.0      7.0          6.0        7.0       7.0
## 5285     7.0      7.0          8.0        4.0       6.0
## 5286     6.0      6.0          NA         4.0       6.0
## 5287     9.0      7.0          9.0        8.0       6.0
## 5288     9.0      9.0         10.0        9.0       7.0
## 5289     7.0      6.0          6.0        9.9       8.0
## 5290     8.0      8.0          NA         6.0       8.0
## 5293     6.0      7.0          6.0        2.0       7.0
## 5294     8.0     10.0         10.0        9.0       8.0
```

```
## 5295     4.0     4.0              NA             7.0              6.0
## 5296     7.0      NA             5.0             6.0              7.0
## 5297     8.0     8.0             8.0             8.0              9.0
## 5298     6.0     9.0             8.0             6.0              6.0
## 5299     5.0     7.0             5.0             2.0              6.0
## 5300     8.0     8.0             4.0             5.0              6.0
## 5301     8.0      NA             8.0             9.0             10.0
## 5302     7.0     7.0             8.0             8.0              7.0
## 5303     8.0     8.0             8.0             6.0              8.0
## 5304     9.0     6.0             9.0             6.0              8.0
## 5305     5.0     6.0             5.0             4.0              7.0
## 5306    10.0     9.0             8.0             8.0              7.0
## 5307     8.0     8.0             9.0             9.0              8.0
## 5309     7.0     7.0             5.0             8.0              8.0
## 5310     8.0     8.0             7.0             8.0              7.0
## 5311     9.0      NA             8.0             7.0              7.0
## 5312     7.0     7.0             7.0             6.0              7.0
## 5313     9.0     8.0             7.0             6.0              8.0
## 5314     9.0     7.0              NA             7.0              6.0
## 5315     8.0     9.0             9.0             3.0              6.0
## 5316     7.0     7.0             7.0             5.0              5.0
## 5317     5.0     8.0             4.0             7.0              7.0
## 5319     8.0     8.0             7.0             5.0              8.0
## 5320     8.0     5.0             8.0             8.0              7.0
## 5321     6.0     8.0             9.0             7.0              7.0
## 5322     7.0     7.0             8.0             8.0              6.0
## 5323     7.0     6.0             7.0             4.0              4.0
##      intelligence_partner funny_partner ambition_partner
## 1                     7.0           7.0              6.0
## 2                     7.0           8.0              5.0
## 3                     9.0           8.0              5.0
## 4                     8.0           7.0              6.0
## 5                     7.0           7.0              6.0
## 6                     7.0           4.0              6.0
## 7                     7.0           4.0              6.0
## 8                     7.0           6.0              5.0
## 9                     8.0           9.0              8.0
## 10                    6.0           8.0             10.0
## 11                    8.0           4.0              6.0
## 12                    6.0           6.0              9.0
## 13                    9.0           6.0              3.0
## 14                    7.0           6.0              5.0
## 15                    7.0           9.0              7.0
## 16                    8.0           3.0              6.0
## 17                    9.0           6.0              7.0
## 18                    7.0           5.0              9.0
## 19                    8.0           9.0              4.0
## 20                    8.0           7.0              9.0
## 21                   10.0           7.0              8.0
## 22                    9.0           8.0              9.0
## 23                    9.0           7.0              9.0
## 24                    9.0           7.0              9.0
## 25                   10.0          10.0             10.0
## 26                   10.0           7.0              9.0
```

```
## 27                 10.0           7.0            7.0
## 28                  9.0           8.0            9.0
## 29                  9.0           9.0            9.0
## 30                  9.0           7.0            9.0
## 31                  8.0           5.0            8.0
## 32                  8.0          10.0            7.0
## 33                  8.0           8.0            6.0
## 34                  7.0          10.0            7.0
## 35                  8.0           9.0            8.0
## 36                  8.0           4.0            8.0
## 37                 10.0           7.0           10.0
## 38                  9.0           5.0            9.0
## 39                 10.0          10.0            7.0
## 40                 10.0          10.0            8.0
## 41                  8.0           2.0            2.0
## 42                  6.0           5.0            5.0
## 43                  8.0           8.0            6.0
## 44                  5.0           7.0            7.0
## 45                  7.0           5.0            4.0
## 46                  7.0           5.0            7.0
## 47                  8.0           5.0            5.0
## 48                  7.0           6.0            7.0
## 49                  7.0           8.0            7.0
## 50                  7.0           9.0            6.0
## 51                  7.0           6.0            7.0
## 52                  9.0           6.0            8.0
## 53                  9.0           4.0            3.0
## 54                  7.0           8.0            2.0
## 55                  8.0           8.0            4.0
## 56                  6.0           1.0            1.0
## 57                  8.0           8.0            3.0
## 58                  9.0           2.0            8.0
## 59                  8.0           8.0            6.0
## 60                  9.0           9.0           10.0
## 61                  8.0           5.0            7.0
## 62                  8.0           4.0            9.0
## 63                  8.0           7.0            8.0
## 64                  8.0           7.0            7.0
## 65                  7.0           4.0            8.0
## 66                  7.0           4.0            5.0
## 67                  8.0           7.0            7.0
## 68                  8.0           5.0            9.0
## 69                  8.0           8.0            8.0
## 70                  7.0           7.0            8.0
## 71                  7.0           4.0            7.0
## 72                  7.0           9.0            6.0
## 73                  8.0           6.0            7.0
## 74                  5.0           6.0            6.0
## 75                  8.0           5.0            6.0
## 76                  8.0           5.0            6.0
## 77                  8.0           5.0            7.0
## 78                  7.0           4.0            5.0
## 79                  5.0           9.0            8.0
## 80                  8.0           7.0            9.0
```

```
## 81                 9.0            8.0            7.0
## 82                10.0           10.0           10.0
## 83                10.0            6.0            6.0
## 84                 8.0            8.0            7.0
## 85                 8.0            8.0            5.0
## 86                 9.0            7.0            6.0
## 87                 9.0            6.0            6.0
## 88                 8.0            7.0            9.0
## 89                 5.0            6.0            5.0
## 90                 7.0            8.0            7.0
## 91                10.0            6.0            6.0
## 92                 1.0            1.0            1.0
## 93                10.0           10.0            6.0
## 94                10.0           10.0           10.0
## 95                 7.0            7.0            7.0
## 96                 6.0            4.0            6.0
## 97                 8.0            6.0            9.0
## 98                 6.0            4.0            5.0
## 99                 9.0            9.0            9.0
## 100                8.0           10.0            8.0
## 101                8.0            8.0            8.0
## 102                6.0            9.0            7.0
## 103                6.0            5.0            8.0
## 104                8.0            7.0            7.0
## 105                8.0            8.0            7.0
## 106                8.0            9.0            8.0
## 107                8.0            8.0            7.0
## 108                6.0            6.0            6.0
## 109                7.0            8.0            7.0
## 110                7.0            8.0            6.0
## 111               10.0            7.0            7.0
## 112               10.0            6.0            6.0
## 113               10.0            6.0            6.0
## 114               10.0            6.0            6.0
## 115               10.0            7.0            6.0
## 116               10.0            6.0            7.0
## 117               10.0            6.0            6.0
## 118               10.0            7.0            6.0
## 119               10.0            7.0            6.0
## 120                1.0            1.0            1.0
## 121               10.0           10.0           10.0
## 122               10.0           10.0           10.0
## 123               10.0           10.0           10.0
## 124               10.0           10.0           10.0
## 125               10.0           10.0           10.0
## 126               10.0           10.0           10.0
## 127               10.0           10.0           10.0
## 128               10.0           10.0           10.0
## 129               10.0           10.0           10.0
## 130               10.0           10.0           10.0
## 131                9.0            8.0            9.0
## 132                9.0            9.0            9.0
## 133                8.0            8.0            8.0
## 134                7.0            9.0            9.0
```

```
## 135                  6.0           8.0           10.0
## 136                  8.0           7.0            9.0
## 137                  9.0           8.0            9.0
## 138                  8.0           8.0            8.0
## 139                  7.0           8.0            8.0
## 140                  7.0           9.0            8.0
## 141                  9.0           6.0            9.0
## 142                 10.0          10.0            7.0
## 143                  8.0           6.0             NA
## 144                  9.0           8.0            8.0
## 145                  9.0           7.0            9.0
## 146                  9.0           7.0            9.0
## 147                  9.0           6.0            9.0
## 148                  8.0           9.0             NA
## 149                  8.0           9.0            7.0
## 150                  9.0           7.0            8.0
## 151                  8.0           8.0            7.0
## 152                  7.0           5.0            7.0
## 153                  6.0           6.0            6.0
## 154                  7.0           7.0            8.0
## 155                  7.0           7.0            7.0
## 156                  8.0           8.0            8.0
## 157                  8.0           6.0            6.0
## 158                  7.0           7.0            8.0
## 159                  7.0           8.0            7.0
## 160                  7.0           7.0            7.0
## 161                  7.0           5.0            8.0
## 162                  4.0           3.0            5.0
## 163                  5.0           4.0            5.0
## 164                  3.0           5.0            6.0
## 165                  4.0           4.0            5.0
## 166                  8.0           4.0            5.0
## 167                  5.0           4.0            4.0
## 168                  7.0           5.0            6.0
## 169                  7.0           8.0            6.0
## 170                  4.0           3.0            4.0
## 171                  5.0           6.0            8.0
## 172                  7.0           7.0            7.0
## 173                  6.0           4.0            6.0
## 174                  8.0           6.0            6.0
## 175                  6.0           5.0            5.0
## 176                  8.0           7.0            8.0
## 177                  6.0           7.0            7.0
## 178                  8.0           8.0            7.0
## 179                  7.0           7.0            6.0
## 180                  6.0           6.0            6.0
## 181                  8.0           8.0            8.0
## 182                  9.0           9.0            8.0
## 183                  6.0           8.0            7.0
## 184                  7.0          10.0            9.0
## 185                  9.0           9.0            9.0
## 186                  7.0           6.0            6.0
## 187                  9.0           9.0            9.0
## 188                  8.0          10.0            8.0
```

```
## 189          6.0        7.0          6.0
## 190          7.0        7.0          6.0
## 191          6.0        6.0          6.0
## 192          7.0        7.0          9.0
## 193          8.0        5.0          8.0
## 194          8.0        7.0          8.0
## 195          7.0        7.0         10.0
## 196         10.0        6.0         10.0
## 197          8.0        6.0          8.0
## 198          9.0        9.0          8.0
## 199          6.0        6.0          6.0
## 200          6.0        6.0          6.0
## 201          7.0        9.0          5.0
## 202          7.0        5.0          9.0
## 203          8.0        8.0          7.0
## 204          8.0        4.0          9.0
## 205          8.0        5.0          7.0
## 206          8.0        6.0          8.0
## 207          8.0        6.0          8.0
## 208          7.0        4.0          7.0
## 209          7.0        5.0          6.0
## 210         10.0        9.0          9.0
## 211          7.0        7.0          7.0
## 212          6.0        4.0          4.0
## 213          8.0        5.0          8.0
## 214          7.0        7.0          7.0
## 215          7.0        6.0          8.0
## 216          9.0        8.0          9.0
## 217          7.0        6.0          7.0
## 218          6.0        6.0          7.0
## 219          6.0        5.0          6.0
## 220          7.0        5.0          7.0
## 221          8.0        7.0          7.0
## 222          7.0        4.0          6.0
## 223          7.0        7.0          6.0
## 224          7.0        6.0          6.0
## 225          7.0        7.0          7.0
## 226          7.0        5.0          7.0
## 227          7.0        7.0          7.0
## 228          5.0        4.0          4.0
## 229          7.0        5.0          5.0
## 230          8.0        6.0          7.0
## 231          5.0        4.0          5.0
## 232          7.0        7.0          7.0
## 233          6.0        6.0          6.0
## 234          7.0        6.0          6.0
## 235          7.0        6.0          6.0
## 236          8.0        6.0          6.0
## 237          7.0        6.0          6.0
## 238          7.0        6.0          7.0
## 239          7.0        7.0          7.0
## 240          7.0        6.0          6.0
## 241          6.0        8.0          6.0
## 242          6.0        7.0          6.0
```

```
## 243               7.0          8.0          8.0
## 244               5.0          4.0          4.0
## 245               5.0          7.0          5.0
## 247               6.0          6.0          5.0
## 248               7.0          6.0          7.0
## 249               7.0          7.0          7.0
## 250               NA           NA           8.0
## 251               NA           7.0          NA
## 252               8.0          8.0          NA
## 253               8.0          NA           8.0
## 254               8.0          NA           8.0
## 255               7.0          8.0          NA
## 256               7.0          7.0          7.0
## 257               7.0          8.0          7.0
## 258               NA           8.0          NA
## 259               NA           8.0          NA
## 260               8.0          7.0          8.0
## 261               NA           6.0          8.0
## 262               NA           7.0          8.0
## 263               NA           8.0          8.0
## 264               7.0          NA           NA
## 265               9.0          6.0          8.0
## 266               8.0          6.0          8.0
## 267               8.0          7.0          9.0
## 268              10.0          4.0         10.0
## 269               9.0          7.0          9.0
## 270               7.0          5.0          8.0
## 271               8.0          6.0         10.0
## 272               9.0          8.0         10.0
## 273               8.0          8.0          6.0
## 274               9.0          8.0          9.0
## 275               9.0          8.0         10.0
## 276               8.0          7.0         10.0
## 277               7.0          5.0          9.0
## 278               9.0          7.0          8.0
## 279               8.0          6.0          9.0
## 280               7.0          8.0          8.0
## 281               5.0          3.0          5.0
## 282               5.0          3.0          5.0
## 283               5.0          3.0          7.0
## 284               7.0          1.0          7.0
## 285               7.0          6.0          6.0
## 286               6.0          1.0          4.0
## 287               5.0          6.0          5.0
## 288               6.0          4.0          6.0
## 289               5.0          7.0          6.0
## 290               8.0          7.0          7.0
## 291               6.0          7.0          6.0
## 292               6.0          5.0          6.0
## 293               6.0          4.0          4.0
## 294               8.0          6.0          7.0
## 295               7.0          2.0          7.0
## 296               6.0          6.0          6.0
## 297               6.0          6.0          6.0
```

```
## 298            4.0            2.0            1.0
## 299            6.0            2.0            6.0
## 300            7.0            6.0            4.0
## 301            4.0            2.0            2.0
## 302            6.0            4.0            5.0
## 303            6.0            6.0            4.0
## 304            5.0            4.0            4.0
## 305            4.0            5.0            6.0
## 306            4.0            5.0            6.0
## 307            6.0            7.0            8.0
## 308            6.0            1.0            6.0
## 309            7.0            1.0            4.0
## 310            8.0            3.0            8.0
## 311            7.0            3.0            6.0
## 312            6.0            4.0            3.0
## 313            4.0            4.0            5.0
## 314            6.0            3.0            6.0
## 315            7.0            5.0            5.0
## 316            5.0            3.0            5.0
## 317            7.0            3.0            7.0
## 318            7.0            4.0            7.0
## 319            6.0            5.0             NA
## 320            6.0            7.0            6.0
## 321            8.0            8.0            8.0
## 322            6.0            8.0            6.0
## 323            7.0            7.0            7.0
## 324            7.0            4.0            6.0
## 325            8.0            5.0            7.0
## 326            8.0            5.0            7.0
## 327            6.0            4.0            6.0
## 328            7.0            6.0            5.0
## 329            6.0            5.0            6.0
## 330            8.0            5.0            9.0
## 331            8.0            7.0            8.0
## 332            6.0            5.0            7.0
## 333            7.0            5.0            6.0
## 334            5.0            2.0            6.0
## 335            7.0            7.0            5.0
## 336            5.0            7.0            7.0
## 337            5.0            7.0            5.0
## 338            7.0            7.0            7.0
## 339            8.0            8.0            7.0
## 340            5.0            2.0            4.0
## 341            8.0            6.0            7.0
## 342            8.0            7.0            9.0
## 343            8.0            4.0            7.0
## 344            8.0            8.0            7.0
## 345            6.0            6.0            6.0
## 346            6.0            3.0            6.0
## 347            6.0            5.0            6.0
## 348            6.0            5.0            5.0
## 349            7.0            5.0            8.0
## 350            7.0            3.0            6.0
## 351            7.0            7.0            6.0
```

```
## 352              4.0              2.0              6.0
## 353              8.0              8.0              8.0
## 354              8.0              6.0              7.0
## 355              8.0              9.0              8.0
## 356              5.0              5.0              5.0
## 357              8.0              5.0              5.0
## 358              7.0              6.0              6.0
## 359              6.0              4.0              5.0
## 360              7.0             10.0              9.0
## 361              7.0              9.0               NA
## 362              9.0               NA              9.0
## 363              6.0              7.0              8.0
## 364              7.0              6.0              9.0
## 365              9.0              5.0              4.0
## 366              9.0              5.0              9.0
## 367              8.0               NA              8.0
## 368              8.0              7.0              8.0
## 369              7.0              9.0              6.0
## 370              9.0              9.0              6.0
## 371              8.0              9.0              8.0
## 372              7.0              6.0              7.0
## 373              6.0              6.0              9.0
## 374              9.0              8.0              9.0
## 375              9.0              8.0              9.0
## 376              7.0              9.0              7.0
## 377              7.0             10.0              7.0
## 378              7.0              4.0              6.0
## 379              6.0              6.0              6.0
## 380              7.0              5.0              7.0
## 381              6.0              2.0              5.0
## 382              7.0              3.0              7.0
## 383              9.0              5.0              6.0
## 384              6.0              7.0              7.0
## 385              6.0              6.0              7.0
## 386              8.0              5.0              7.0
## 387              7.0              7.0             10.0
## 388              9.0              1.0              9.0
## 389              8.0              9.0              7.0
## 390              5.0              6.0              7.0
## 391              5.0              5.0              6.0
## 392              6.0              6.0              6.0
## 393              5.0              4.0              4.0
## 394              7.0              4.0              4.0
## 395              5.0              6.0              7.0
## 396              6.0              4.0              6.0
## 397              5.0              4.0              5.0
## 398              6.0              5.0              6.0
## 399              9.0              7.0              8.0
## 400              5.0              3.0              5.0
## 401              3.0              3.0              2.0
## 402              8.0              7.0              8.0
## 403              6.0              6.0              7.0
## 404              4.0              2.0              2.0
## 405              5.0              4.0              5.0
```

```
## 406              6.0           3.0              7.0
## 407              6.0           5.0              7.0
## 408              5.0           6.0              6.0
## 409              9.0           7.0              7.0
## 410              8.0           6.0              7.0
## 411              9.0           8.0              7.0
## 412              8.0           8.0              7.0
## 413              7.0           7.0              7.0
## 414              9.0           7.0              8.0
## 415              9.0           9.0              8.0
## 416              8.0           8.0              7.0
## 417              7.0           8.0              7.0
## 418              9.0           9.0              9.0
## 419              8.0          10.0              8.0
## 420              6.0           6.0              7.0
## 421             10.0           7.0              7.0
## 422              8.0           8.0              8.0
## 423              8.0           6.0              7.0
## 424              8.0           8.0              8.0
## 425              2.0           3.0              1.0
## 426              2.0           1.0              8.0
## 427              4.0           1.0              5.0
## 428              1.0           1.0              1.0
## 429              1.0           1.0              1.0
## 430              5.0           2.0              8.0
## 431              4.0           3.0              4.0
## 432              5.0           1.0              2.0
## 433              2.0           2.0              2.0
## 434              8.0           8.0             10.0
## 435              8.0           5.0              8.0
## 436              6.0           2.0              5.0
## 437              5.0           2.0              5.0
## 438              8.0           5.0              6.0
## 439              6.0           4.0              5.0
## 440              8.0           6.0              8.0
## 441              5.0           4.0              4.0
## 442              6.0           3.0              4.0
## 443              6.0           7.0              5.0
## 444              8.0           2.0              6.0
## 445              8.0           6.0              9.0
## 446              7.0           4.0              5.0
## 447              9.0           7.0              6.0
## 448              7.0           6.0              6.0
## 449              6.0           9.0              4.0
## 450              5.0           4.0              4.0
## 451              6.0           8.0              4.0
## 452              7.0           7.0              6.0
## 453              6.0           6.0              4.0
## 454              7.0           4.0              7.0
## 455              4.0           2.0              3.0
## 456              6.0           7.0              4.0
## 457             10.0           3.0             10.0
## 458             10.0           1.0             10.0
## 459             10.0           7.0              7.0
```

```
## 460                 10.0           4.0            8.0
## 461                  7.0           4.0            5.0
## 462                  8.0           3.0            8.0
## 463                  6.0           9.0            5.0
## 464                  7.0           7.0            4.0
## 465                  5.0           8.0            5.0
## 466                  9.0           8.0            5.0
## 467                  8.0           9.0            9.0
## 468                  9.0           8.0            8.0
## 469                  9.0           3.0            8.0
## 470                  9.0           3.0            9.0
## 471                  9.0           5.0            9.0
## 472                  8.0           8.0            9.0
## 473                  9.0           9.0            9.0
## 474                  9.0           6.0            8.0
## 475                  9.0           7.0            9.0
## 476                  8.0           7.0            6.0
## 477                  7.0           4.0            5.0
## 478                  7.0           1.0            5.0
## 479                  9.0           9.0            6.0
## 480                  8.0           8.0            5.0
## 481                  6.0           7.0            5.0
## 482                  7.0           7.0            9.0
## 483                  8.0          10.0            8.0
## 484                  8.0           1.0            9.0
## 485                  9.0           6.0            9.0
## 486                  9.0           5.0            5.0
## 487                  8.0           5.0            6.0
## 488                  8.0          10.0            7.0
## 489                 10.0           6.0            4.0
## 490                  8.0           8.0            6.0
## 491                  3.0           7.0            4.0
## 492                  9.0           9.0            8.0
## 493                  9.0           9.0            8.0
## 494                  9.0           8.0            7.0
## 495                  6.0           8.0            7.0
## 496                  3.0           4.0            3.0
## 497                  8.0           7.0            8.0
## 498                  4.0           4.0            8.0
## 499                 10.0           7.0            8.0
## 500                 10.0           8.0            5.0
## 501                  6.0           8.0            6.0
## 502                  6.0           5.0            7.0
## 503                  9.0           7.0            8.0
## 504                  8.0           7.0            6.0
## 505                 10.0           9.0           10.0
## 506                  9.0          10.0            4.0
## 507                  5.0           5.0            5.0
## 508                  5.0           5.0            5.0
## 509                  8.0           8.0            8.0
## 510                  5.0           5.0            5.0
## 511                  5.0           5.0            5.0
## 512                  5.0           5.0            5.0
## 513                  8.0           8.0            8.0
```

```
## 514                  8.0            8.0              8.0
## 515                 10.0           10.0             10.0
## 516                  8.0            8.0              8.0
## 517                 10.0           10.0             10.0
## 518                 10.0           10.0             10.0
## 519                 10.0           10.0             10.0
## 520                 10.0            5.0              5.0
## 521                  5.0            5.0              5.0
## 522                  5.0            5.0              5.0
## 523                  5.0            5.0              5.0
## 524                  5.0           10.0              5.0
## 525                  9.0            5.0              9.0
## 526                  8.0            5.0              5.0
## 527                  9.0            8.0              9.0
## 528                  7.0            9.0              8.0
## 529                  7.0            7.0              5.0
## 530                  8.0            9.0              8.0
## 531                  8.0            9.0              8.0
## 532                  7.0            5.0              8.0
## 533                  7.0            6.0              6.0
## 534                  8.0            2.0              9.0
## 535                 10.0            8.0             10.0
## 536                 10.0            8.0             10.0
## 537                  7.0            6.0              6.0
## 538                  7.0            7.0             10.0
## 539                  7.0            5.0              6.0
## 540                  9.0            6.0              4.0
## 541                  9.0            8.0             10.0
## 542                  8.0            6.0              6.0
## 543                  6.0            4.0              6.0
## 544                  5.0            3.0              5.0
## 545                  5.0            4.0              3.0
## 546                  6.0            4.0              7.0
## 547                  6.0            6.0              5.0
## 548                  7.0            5.0              5.0
## 549                  5.0            7.0              3.0
## 550                  5.0            4.0              6.0
## 551                  7.0            3.0              7.0
## 552                  6.0            6.0              5.0
## 553                  7.0            4.0              4.0
## 554                  7.0            3.0              6.0
## 555                  5.0            6.0              7.0
## 556                  7.0            3.0              7.0
## 557                  5.0            4.0              5.0
## 558                  7.0            3.0              6.0
## 559                  7.0            6.0              7.0
## 560                  7.0            7.0              5.0
## 561                  8.0            6.0              7.0
## 562                  6.0            6.0              8.0
## 563                  8.0           10.0              7.0
## 564                  8.0            7.0              8.0
## 565                  6.0            7.0              5.0
## 566                  7.0            8.0              7.0
## 567                  7.0            7.0              6.0
```

```
## 568              7.0          6.0              7.0
## 569              7.0          7.0              6.0
## 570              7.0          6.0              7.0
## 571              6.0          7.0              7.0
## 572              7.0          6.0              6.0
## 573              8.0          7.0              6.0
## 574              8.0           NA              8.0
## 575              7.0          5.0              6.0
## 576              6.0          5.0              7.0
## 577              6.0          7.0              6.0
## 578              5.0          5.0              5.0
## 579              8.0          7.0              9.0
## 580              7.0          5.0              6.0
## 581              7.0          6.0              6.0
## 582              6.0          6.0              5.0
## 583              6.0          7.0              6.0
## 584              8.0          7.0              6.0
## 585              7.0          8.0              6.0
## 586              6.0          7.0              6.0
## 587              6.0          6.0              6.0
## 588              8.0          7.0              8.0
## 589              8.0          8.0              8.0
## 590              7.0          5.0              7.0
## 591              7.0          7.0              7.0
## 592              7.0          6.0              7.0
## 593              8.0          7.0              7.0
## 594              6.0          6.0              5.0
## 595              7.0          9.0              7.0
## 596              5.0          5.0              6.0
## 597             10.0          8.0              9.0
## 598              5.0          5.0              6.0
## 599              9.0          8.0              8.0
## 600              8.0          8.0              7.0
## 601              7.0          8.0              7.0
## 602              9.0         10.0              7.0
## 603              8.0          8.0              7.0
## 604              6.0          8.0              7.0
## 605              8.0          9.0              8.0
## 606              7.0          6.0              7.0
## 607              8.0          7.0             10.0
## 608              7.0          8.0              8.0
## 609              7.0          9.0              8.0
## 610              8.0          6.0              9.0
## 611              8.0          6.0              9.0
## 612              9.0          8.0              9.0
## 613              8.0         10.0              8.0
## 614              7.0          9.0              7.0
## 615              6.0          5.0              5.0
## 616              6.0          5.0              6.0
## 617              6.0          4.0              7.0
## 618              6.0          5.0              6.0
## 619              5.0          5.0              5.0
## 620              6.0          6.0              6.0
## 621              6.0          6.0              4.0
```

```
## 622            5.0         6.0              7.0
## 623            6.0         3.0              6.0
## 624            6.0         5.0              7.0
## 625            7.0         6.0              5.0
## 626            7.0         6.0              6.0
## 627            7.0         7.0              7.0
## 628            6.0         5.0              6.0
## 629            6.0         5.0              8.0
## 630            8.0         4.0              6.0
## 631            7.0         6.0              6.0
## 632            6.0         5.0              5.0
## 633            5.0         5.0              8.0
## 634            6.0         5.0               NA
## 635            6.0         4.0              3.0
## 636            8.0         5.0               NA
## 637            7.0         8.0               NA
## 638            7.0         9.0               NA
## 639            5.0         6.0               NA
## 640            9.0         5.0              9.0
## 641            5.0         4.0               NA
## 642            7.0         8.0               NA
## 643            8.0         5.0              8.0
## 644            8.0         5.0               NA
## 645            7.0         5.0              5.0
## 646            8.0         5.0              5.0
## 647            7.0         7.0              9.0
## 648            6.0         5.0              4.0
## 649            7.0         8.0               NA
## 650            5.0         6.0              5.0
## 651            8.0         4.0              6.0
## 652            7.0         7.0              7.0
## 653            8.0         6.0              7.0
## 654            6.0         5.0              6.0
## 655            7.0         8.0              6.0
## 656            7.0         7.0              7.0
## 657            7.0         7.0              7.0
## 658            8.0         7.0              6.0
## 659            7.0         7.0              7.0
## 660            8.0         8.0              9.0
## 661            8.0         7.0              7.0
## 662            8.0         8.0              8.0
## 663            7.0         6.0              7.0
## 664           10.0         5.0              6.0
## 665            7.0         7.0             10.0
## 666            8.0         6.0              8.0
## 667            7.0         8.0              8.0
## 668            7.0         8.0              4.0
## 669            8.0          NA               NA
## 670            7.0         6.0               NA
## 671            7.0         6.0               NA
## 672             NA         9.0               NA
## 673             NA          NA               NA
## 674             NA          NA               NA
## 675             NA         7.0               NA
```

```
## 676           NA           NA           NA
## 677           NA           NA           NA
## 678          8.0          8.0          8.0
## 679           NA           NA           NA
## 680          8.0          8.0          8.0
## 681           NA           NA          9.0
## 682           NA           NA           NA
## 683           NA           NA           NA
## 684           NA           NA           NA
## 685           NA           NA           NA
## 687          8.0          3.0          2.0
## 688          3.0          2.0          2.0
## 689          4.0          1.0          1.0
## 690          7.0          6.0          6.0
## 691          7.0          6.0          2.0
## 692          5.0          5.0          3.0
## 693          4.0          7.0          5.0
## 694          5.0          3.0          3.0
## 695          6.0          2.0          6.0
## 696          7.0          4.0          5.0
## 697          7.0          9.0          5.0
## 698          8.0          6.0          5.0
## 699          8.0          2.0          8.0
## 700          8.0          1.0          7.0
## 701          8.0          5.0          5.0
## 702          9.0          3.0          7.0
## 703          8.0          6.0          7.0
## 704          8.0          8.0          8.0
## 705          8.0          6.0          7.0
## 706          7.0          6.0          5.0
## 707          6.0          6.0          6.0
## 708          9.0          5.0          6.0
## 709          7.0          7.0          6.0
## 710          7.0          7.0          6.0
## 711          7.0          6.0          6.0
## 712          6.0          7.0          5.0
## 713          7.0          6.0          6.0
## 714          8.0          6.0          7.0
## 715          7.0          7.0          6.0
## 716          6.0          6.0          6.0
## 717          6.0          5.0          5.0
## 718          8.0          6.0          6.0
## 719          6.0          7.0          5.0
## 720          6.0          7.0          6.0
## 721          7.0          7.0          7.0
## 722          6.0          6.0          7.0
## 723          8.0          7.0          7.0
## 724          8.0          7.0          8.0
## 725          8.0          7.0          8.0
## 726          8.0          8.0          7.0
## 727          8.0          8.0          8.0
## 728          9.0          9.0          8.0
## 729          8.0          8.0          8.0
## 730          8.0          7.0          7.0
```

```
## 731                  8.0          7.0              8.0
## 732                  9.0          8.0              9.0
## 733                  9.0          8.0              9.0
## 734                  9.0          7.0              9.0
## 735                  8.0          8.0              8.0
## 736                  8.0          8.0              8.0
## 737                  8.0          7.0              8.0
## 738                  8.0          7.0              8.0
## 739                  9.0          8.0              9.0
## 740                  8.0          7.0              9.0
## 741                  7.0          7.0              7.0
## 742                  7.0          6.0              6.0
## 743                  7.0          7.0              9.0
## 744                  8.0          7.0              7.0
## 745                  9.0          9.0              7.0
## 746                  7.0          8.0              7.0
## 747                  8.0          9.0              8.0
## 748                  7.0          7.0              7.0
## 749                  8.0          7.0              8.0
## 750                  8.0          8.0              7.0
## 751                  8.0          7.0              8.0
## 752                  8.0          7.0              7.0
## 753                  7.0          8.0              7.0
## 754                  9.0          7.0              8.0
## 755                  7.0          6.0              7.0
## 756                  7.0          6.0              8.0
## 757                  9.0          7.0              8.0
## 758                  7.0          8.0              7.0
## 759                 10.0          7.0              9.0
## 760                  9.0          7.0             10.0
## 761                 10.0          8.0             10.0
## 762                  9.0          8.0              8.0
## 763                  8.0         10.0              9.0
## 764                  8.0          9.0              9.0
## 765                  9.0         10.0              9.0
## 766                  8.0          8.0              9.0
## 767                 10.0         10.0             10.0
## 768                 10.0         10.0             10.0
## 769                 10.0          8.0              7.0
## 770                  9.0          8.0              8.0
## 771                 10.0          9.0             10.0
## 772                  8.0          9.0              9.0
## 773                  9.0          8.0              9.0
## 774                  9.0          7.0              7.0
## 775                 10.0         10.0             10.0
## 776                 10.0          9.0             10.0
## 777                  2.0          3.0              2.0
## 778                  9.0          7.0              9.0
## 779                  5.0          3.0              5.0
## 780                  8.0          5.0              8.0
## 781                  9.0          9.0             10.0
## 782                  8.0          6.0              7.0
## 783                  5.0          3.0              5.0
## 784                  9.0          8.0              9.0
```

```
## 785                 7.0              3.0              5.0
## 786                 9.0              2.0              9.0
## 787                 7.0              7.0              7.0
## 788                 8.0              7.0              8.0
## 789                 9.0              7.0              7.0
## 790                 7.0              8.0              9.0
## 791                10.0             10.0             10.0
## 792                 9.0              8.0              8.0
## 793                10.0             10.0              9.0
## 794                10.0             10.0             10.0
## 795                10.0             10.0              9.0
## 796                10.0             10.0              9.0
## 797                10.0              5.0               NA
## 798                10.0              3.0               NA
## 799                 9.0              1.0              1.0
## 800                10.0              9.0               NA
## 801                10.0              8.0              8.0
## 802                10.0              1.0              7.0
## 803                 8.0              1.0              1.0
## 804                10.0              9.0               NA
## 805                10.0              9.0             10.0
## 806                10.0              5.0               NA
## 807                 7.0              8.0              8.0
## 808                 7.0              8.0              7.0
## 809                 8.0              7.0              8.0
## 810                 8.0              8.0              8.0
## 811                 6.0              8.0              8.0
## 812                 8.0              8.0              8.0
## 813                 8.0              8.0              8.0
## 814                 7.0              8.0              9.0
## 815                 8.0              8.0              7.0
## 816                 8.0              8.0              8.0
## 817                 7.0              7.0              8.0
## 818                 9.0              9.0              8.0
## 819                 7.0              5.0              6.0
## 820                 8.0              8.0              8.0
## 821                 8.0              7.0              8.0
## 822                 8.0              7.0              8.0
## 823                 6.0              6.0              7.0
## 824                 8.0              7.0              9.0
## 825                 8.0              7.0              7.0
## 826                 8.0              6.0              8.0
## 827                 7.0              5.0              4.0
## 828                 7.0              5.0              5.0
## 829                 8.0              5.0              5.0
## 830                 8.0              5.0              6.0
## 831                 9.0              8.0              8.0
## 832                 5.0              3.0              5.0
## 833                 5.0              3.0              7.0
## 834                 5.0              5.0              8.0
## 835                 8.0              7.0              8.0
## 836                 4.0              2.0              3.0
## 837                 8.0              6.0              8.0
## 838                 7.0              6.0              5.0
```

```
## 839                   7.0          4.0              5.0
## 840                   8.0          6.0              4.0
## 841                   8.0          6.0              8.0
## 842                   6.0          4.0              7.0
## 843                   7.0          6.0              6.0
## 844                   7.0          6.0              5.0
## 845                   6.0          5.0              6.0
## 846                   8.0          5.0              8.0
## 847                   8.0          7.0              8.0
## 848                   7.0          7.0              7.0
## 849                   7.0          7.0              7.0
## 850                   7.0          7.0              8.0
## 851                   8.0          7.0              7.0
## 852                   7.0          5.0              7.0
## 853                   7.0          7.0              6.0
## 854                   7.0          8.0              8.0
## 855                   7.0          7.0              7.0
## 856                   7.0          6.0              8.0
## 857                   6.0          7.0              9.0
## 858                   7.0          6.0              6.0
## 859                   7.0          8.0              8.0
## 860                    NA          5.0              6.0
## 861                   8.0          8.0              7.0
## 862                   7.0          5.0              6.0
## 863                   6.0          5.0              4.0
## 864                   8.0          8.0              6.0
## 865                   7.0          7.0              7.0
## 866                   7.0          5.0              4.0
## 867                   5.0         10.0              7.0
## 868                   5.0          4.0              3.0
## 869                  10.0         10.0             10.0
## 870                   5.0          5.0              5.0
## 871                   8.0          6.0              7.0
## 872                   7.0          8.0              7.0
## 873                   5.0          6.0              4.0
## 874                   6.0          5.0              5.0
## 875                   5.0          4.0              6.0
## 876                   6.0          5.0              5.0
## 877                   6.0          5.0              5.0
## 878                   7.0          6.0              5.0
## 879                   6.0          3.0              7.0
## 880                   6.0          7.0              5.0
## 881                   5.0          7.0              6.0
## 882                   7.0          5.0              5.0
## 883                   7.0          4.0              4.0
## 884                   8.0          4.0              6.0
## 885                   8.0          6.0              7.0
## 886                   8.0          7.0              9.0
## 887                   8.0          4.0              9.0
## 888                   5.0          8.0              6.0
## 889                   7.0          7.0              7.0
## 890                   7.0          5.0              5.0
## 891                   6.0          8.0              6.0
## 892                   9.0          7.0              5.0
```

```
## 893                7.0          5.0            6.0
## 894                9.0          7.0            5.0
## 895                9.0          6.0            6.0
## 896                7.0          7.0            7.0
## 897                8.0         10.0            9.0
## 898                8.0          6.0            8.0
## 899                6.0          6.0            5.0
## 900                8.0          7.0            7.0
## 901                8.0         10.0            6.0
## 902                6.0          7.0             NA
## 903                9.0          8.0            8.0
## 904                9.0          9.0            8.0
## 905                7.0          5.0            7.0
## 906                8.0          7.0            7.0
## 907                7.0          6.0            5.0
## 908                7.0          5.0            6.0
## 909                7.0          7.0            7.0
## 910                8.0          5.0            7.0
## 911                8.0          4.0            7.0
## 912                7.0          7.0            6.0
## 913                6.0          5.0            4.0
## 914                6.0          6.0            6.0
## 915                6.0          6.0            7.0
## 916                7.0          3.0            6.0
## 917                7.0          6.0            5.0
## 918                7.0          6.0            7.0
## 919                6.0          6.0            5.0
## 920                7.0          7.0            6.0
## 921                8.0          8.0           10.0
## 922                6.0          8.0            6.0
## 923                8.0          7.0            7.0
## 924               10.0          7.0            8.0
## 925                9.0          9.0            7.0
## 926                7.0          7.0            3.0
## 927                7.0          9.0            6.0
## 928                8.0          9.0            5.0
## 929                6.0          7.0            7.0
## 930                7.0          6.0            5.0
## 931                7.0          6.0            5.0
## 932                8.0          6.0            5.0
## 933                6.0          4.0            5.0
## 934                6.0          7.0            6.0
## 935                7.0          5.0            6.0
## 936                6.0          8.0            6.0
## 937                5.0         10.0            8.0
## 938                5.0          4.0            6.0
## 939                4.0          4.0            4.0
## 940               10.0          8.0             NA
## 941                5.0          2.0             NA
## 942                8.0          6.0            8.0
## 943                 NA           NA             NA
## 944                5.0           NA             NA
## 945                8.0          1.0             NA
## 946                5.0           NA           10.0
```

```
## 947                 5.0           5.0            NA
## 948                 8.0           8.0            NA
## 949                 8.0           6.0           6.0
## 950                 7.0          10.0            NA
## 951                 5.0           5.0           8.0
## 952                 6.0          10.0           7.0
## 953                 6.0           7.0           6.0
## 954                 8.0            NA            NA
## 955                 8.0          10.0           7.0
## 956                 6.0           6.0           5.0
## 957                 7.0           4.0           6.0
## 958                 6.0           7.0           6.0
## 959                 9.0           6.0           7.0
## 960                 8.0           7.0           9.0
## 961                 6.0           4.0            NA
## 962                 6.0           3.0            NA
## 963                 6.0           7.0           4.0
## 964                 7.0          10.0           8.0
## 965                 5.0           5.0           5.0
## 966                 8.0          10.0           9.0
## 967                 7.0           5.0           6.0
## 968                 9.0          10.0           9.0
## 969                 7.0           9.0           6.0
## 970                 7.0           6.0           7.0
## 971                 8.0           9.0           9.0
## 972                 7.0           4.0           5.0
## 973                 9.0           2.0          10.0
## 974                 9.0           4.0           9.0
## 975                 9.0           2.0           9.0
## 976                 9.0            NA            NA
## 977                 9.0           2.0           9.0
## 978                 9.0           9.0            NA
## 979                 9.0           4.0            NA
## 980                 9.0           2.0           9.0
## 981                 8.0            NA            NA
## 982                 9.0            NA            NA
## 983                 9.0           9.0           9.0
## 984                 9.0           7.0           9.0
## 985                 9.0            NA            NA
## 986                 9.0           9.0           9.0
## 987                 7.0           2.0           2.0
## 988                10.0           6.0          10.0
## 989                 5.0           2.0            NA
## 990                 9.0            NA           9.0
## 991                 7.0           6.0           9.0
## 992                 6.0           5.0           5.0
## 993                 7.0           5.0           5.0
## 994                 7.0           7.0           7.0
## 995                 2.0           2.0           2.0
## 996                 7.0           7.0           7.0
## 997                 6.0           6.0           6.0
## 998                 6.0           5.0           5.0
## 999                 2.0           2.0           2.0
## 1000                5.0           5.0           5.0
```

```
## 1001              7.0          8.0           6.0
## 1002              6.0          6.0           6.0
## 1003              5.0          5.0           5.0
## 1004              7.0          7.0           5.0
## 1005              6.0          6.0           6.0
## 1006              5.0          5.0           5.0
## 1007              4.0          4.0           4.0
## 1008              6.0          6.0           6.0
## 1009              8.0          7.0            NA
## 1010              9.0          8.0           9.0
## 1011              8.0          7.0           8.0
## 1012              8.0          8.0            NA
## 1013              7.0          6.0           6.0
## 1014              8.0          8.0           7.0
## 1015              8.0          7.0           8.0
## 1016              7.0          6.0           8.0
## 1017              8.0          8.0           8.0
## 1018              8.0          8.0           8.0
## 1019              8.0          6.0           8.0
## 1020              9.0          9.0           8.0
## 1021              8.0          8.0           8.0
## 1022              8.0          8.0           9.0
## 1023              8.0          8.0           8.0
## 1024              8.0          8.0           8.0
## 1025              8.0          8.0           8.0
## 1026              8.0          8.0           9.0
## 1027             10.0          8.0          10.0
## 1028              7.0          5.0           7.0
## 1029              8.0          4.0           7.0
## 1030              9.0          8.0           7.0
## 1031              6.0          4.0           6.0
## 1032              8.0          7.0           9.0
## 1033              8.0          6.0           7.0
## 1034              9.0          2.0           9.0
## 1035             10.0          1.0           7.0
## 1036              8.0          6.0           7.0
## 1037              8.0          8.0           4.0
## 1038              9.0          8.0           2.0
## 1039              8.0          9.0           8.0
## 1040              6.0          8.0           6.0
## 1041              7.0          8.0           7.0
## 1042              8.0          8.0           8.0
## 1043              7.0          6.0           7.0
## 1044              9.0          6.0           7.0
## 1045             10.0         10.0           9.0
## 1046              7.0          5.0           7.0
## 1047              8.0          8.0           9.0
## 1048             10.0          7.0           8.0
## 1049              7.0          7.0           8.0
## 1050             10.0         10.0          10.0
## 1051             10.0          9.0          10.0
## 1052             10.0          8.0           8.0
## 1053              9.0          6.0           8.0
## 1054              8.0          8.0           9.0
```

```
## 1055           9.0            7.0             8.0
## 1056           9.0           10.0             9.0
## 1057           9.0            8.0             9.0
## 1058           9.0           10.0             8.0
## 1059          10.0           10.0             8.0
## 1060          10.0            8.0             8.0
## 1061           8.0            9.0             8.0
## 1062           9.0            8.0             8.0
## 1063           7.0            6.0             9.0
## 1064           8.0            7.0             8.0
## 1065           8.0            5.0             7.0
## 1066           7.0            7.0             7.0
## 1067           7.0            4.0             5.0
## 1068           8.0            8.0             8.0
## 1069           7.0            4.0             5.0
## 1070           8.0            7.0             8.0
## 1071           8.0            6.0             7.0
## 1072           8.0            8.0             8.0
## 1073           8.0            6.0             6.0
## 1074           8.0            8.0             8.0
## 1075           8.0            8.0             8.0
## 1076           8.0            7.0             5.0
## 1077           9.0            6.0             7.0
## 1078           8.0            9.0             6.0
## 1079           8.0            4.0             8.0
## 1080           6.0            8.0             7.0
## 1081           0.0           10.0             0.0
## 1082           7.0            5.0             5.0
## 1083           8.0            6.0             6.0
## 1084           7.0            4.0             7.0
## 1085           5.0            2.0             2.0
## 1086           6.0            7.0             5.0
## 1087           7.0            4.0             7.0
## 1088           7.0            2.0             2.0
## 1089           6.0            3.0             7.0
## 1090           5.0            5.0             5.0
## 1091           5.0            5.0             5.0
## 1092           7.0            8.0             7.0
## 1093           8.0            6.0             5.0
## 1094           8.0            5.0             7.0
## 1095           8.0            7.0             7.0
## 1096           9.0            6.0             5.0
## 1097           5.0            4.0             9.0
## 1098           5.0            4.0             5.0
## 1099           4.0            1.0            10.0
## 1100           7.0            5.0             6.0
## 1101           6.0            6.0             6.0
## 1102           7.0            7.0             5.0
## 1103           8.0            1.0             1.0
## 1104           7.0            6.0             6.0
## 1105           8.0            5.0             8.0
## 1106           9.0            4.0             8.0
## 1107           8.0            6.0             5.0
## 1108           7.0            6.0             6.0
```

```
## 1109          8.0          7.0          9.0
## 1110          8.0          6.0          6.0
## 1111          7.0          6.0          8.0
## 1112          6.0          5.0          6.0
## 1113          6.0          4.0          6.0
## 1114          7.0          5.0          6.0
## 1115          5.0          7.0          5.0
## 1116          6.0          2.0          6.0
## 1117          8.0          9.0          5.0
## 1118          6.0          7.0          7.0
## 1119          7.0          4.0           NA
## 1120          7.0          7.0          7.0
## 1121          7.0          5.0          5.0
## 1122          6.0          5.0          5.0
## 1123          6.0          5.0          5.0
## 1124          7.0          5.0          7.0
## 1125          6.0          5.0          5.0
## 1126          6.0          5.0          5.0
## 1127          7.0          8.0          5.0
## 1128          8.0          8.0          8.0
## 1129          7.0          7.0          7.0
## 1130          7.0          6.0          6.0
## 1131          6.0          7.0         10.0
## 1132          7.0          7.0          5.0
## 1133          7.0          7.0          7.0
## 1134          5.0          5.0          5.0
## 1135          2.0          1.0          1.0
## 1136          2.0          2.0          2.0
## 1137          6.0          5.0          7.0
## 1138          6.0          6.0          7.0
## 1139          8.0          5.0          9.0
## 1140          7.0          7.0          8.0
## 1141          9.0          5.0          9.0
## 1142          4.0          2.0          4.0
## 1143          4.0          5.0          4.0
## 1144          6.0          4.0          7.0
## 1145          4.0          5.0          5.0
## 1146          7.0          7.0          9.0
## 1147          5.0          4.0          7.0
## 1148          8.0          9.0          8.0
## 1149          7.0          6.0          7.0
## 1150          7.0          8.0          8.0
## 1151          6.0          7.0          5.0
## 1152          7.0          7.0          7.0
## 1153         10.0          1.0         10.0
## 1154         10.0          2.0         10.0
## 1155          9.0          2.0         10.0
## 1156         10.0          7.0         10.0
## 1157         10.0          3.0         10.0
## 1158         10.0          8.0         10.0
## 1159         10.0          6.0         10.0
## 1160         10.0          3.0         10.0
## 1161         10.0          1.0         10.0
## 1162          7.0          6.0         10.0
```

```
## 1163             10.0             5.0             8.0
## 1164             10.0            10.0            10.0
## 1165             10.0             2.0             2.0
## 1166             10.0            10.0            10.0
## 1167             10.0             5.0            10.0
## 1168             10.0            10.0            10.0
## 1169             10.0            10.0            10.0
## 1170             10.0            10.0            10.0
## 1171              8.0             5.0             7.0
## 1172              8.0             7.0             7.0
## 1173              9.0             7.0             8.0
## 1174              9.0             8.0             9.0
## 1175              7.0             6.0             7.0
## 1176              9.0             9.0             9.0
## 1177             10.0            10.0             9.0
## 1178              8.0             6.0             6.0
## 1179              9.0             6.0             7.0
## 1180              8.0             7.0             8.0
## 1181              9.0             8.0             8.0
## 1182              9.0             7.0             7.0
## 1183             10.0             9.0            10.0
## 1184             10.0            10.0             7.0
## 1185              8.0            10.0             8.0
## 1186             10.0             8.0             8.0
## 1187             10.0            10.0             7.0
## 1188             10.0             9.0             9.0
## 1189              5.0             0.0             9.0
## 1190              7.0             8.0             6.0
## 1191              6.0             5.0             6.0
## 1192              8.0             7.0             7.0
## 1193              6.0             5.0             4.0
## 1194              7.0             6.0             5.0
## 1195              8.0             6.0             7.0
## 1196              8.0             4.0             5.0
## 1197              6.0             5.0             6.0
## 1198              5.0             6.0             4.0
## 1199             10.0            10.0            10.0
## 1200              6.0             7.0             7.0
## 1201              7.0             8.0             7.0
## 1202              8.0             7.0             8.0
## 1203              6.0             6.0             4.0
## 1204              7.0             5.0             6.0
## 1205              6.0             7.0             8.0
## 1206              7.0             6.0             6.0
## 1207              7.0             7.0             8.0
## 1208              6.0             6.0             7.0
## 1209              6.0             6.0             6.0
## 1210              8.0             6.0             7.0
## 1211              8.0             5.0             8.0
## 1212              8.0             8.0             8.0
## 1213              8.0             7.0             7.0
## 1214              8.0             5.0             7.0
## 1215              7.0             6.0             5.0
## 1216              8.0             7.0             7.0
```

```
## 1217            7.0            7.0            7.0
## 1218           10.0           10.0           10.0
## 1219            8.0            7.0            7.0
## 1220            8.0            8.0             NA
## 1221            8.0            7.0            6.0
## 1222            8.0            8.0            8.0
## 1223            8.0            8.0            8.0
## 1224            8.0            7.0            7.0
## 1225            9.0            3.0            8.0
## 1226            9.0            4.0            8.0
## 1227           10.0            6.0            9.0
## 1228           10.0            8.0            9.0
## 1229            8.0            3.0            8.0
## 1230            9.0           10.0            9.0
## 1231            9.0            4.0            9.0
## 1232           10.0            8.0            9.0
## 1233            9.0            7.0            8.0
## 1234            8.0            5.0            8.0
## 1235            8.0            7.0            8.0
## 1236            9.0            9.0            8.0
## 1237            8.0            8.0            8.0
## 1238            9.0           10.0            9.0
## 1239           10.0            9.0            8.0
## 1240            9.0            7.0            9.0
## 1241            9.0            8.0            8.0
## 1242            8.0            7.0            8.0
## 1243            7.0            7.0            8.0
## 1244            7.0            7.0            7.0
## 1245            7.0            6.0            6.0
## 1246            8.0            8.0             NA
## 1247            6.0            6.0            6.0
## 1248            7.0            7.0            7.0
## 1249            7.0            7.0            7.0
## 1250            7.0            6.0            7.0
## 1251            7.0            6.0            7.0
## 1252            7.0            7.0            7.0
## 1253            7.0            8.0            8.0
## 1254            7.0            7.0            7.0
## 1255            7.0            7.0            7.0
## 1256            7.0            7.0            7.0
## 1257            7.0            7.0            7.0
## 1258            7.0            6.0            7.0
## 1259            7.0            6.0            6.0
## 1260            7.0            7.0            7.0
## 1261            6.0            7.0            7.0
## 1262            7.0            7.0            7.0
## 1263            6.0            6.0            5.0
## 1264            8.0            8.0            6.0
## 1265            7.0            7.0            7.0
## 1266            8.0            8.0            8.0
## 1267            8.0            8.0            6.0
## 1268            7.0            7.0            7.0
## 1269            6.0            6.0            6.0
## 1270            7.0            7.0            7.0
```

```
## 1271          8.0          8.0          6.0
## 1272          7.0          7.0          7.0
## 1273          6.0          6.0          6.0
## 1274          5.0          5.0          5.0
## 1275          9.0          3.0          3.0
## 1276          8.0          8.0          8.0
## 1277          8.0          6.0          7.0
## 1278          9.0          8.0          6.0
## 1279          7.0          8.0          4.0
## 1280          5.0          6.0          5.0
## 1281          7.0          4.0          4.0
## 1282          7.0          6.0          5.0
## 1283          7.0          5.0          6.0
## 1284          6.0          8.0          6.0
## 1285          5.0          6.0          5.0
## 1286          8.0          6.0          7.0
## 1287          6.0          6.0          6.0
## 1288          6.0          6.0          5.0
## 1289          8.0          9.0          6.0
## 1290          6.0          6.0          6.0
## 1291          7.0          7.0          7.0
## 1292          6.0          4.0          6.0
## 1293          5.0          4.0          5.0
## 1294          8.0          7.0          8.0
## 1295          7.0          7.0          4.0
## 1296          7.0          8.0          5.0
## 1297          7.0          8.0           NA
## 1298          7.0          6.0           NA
## 1299          6.0          6.0          6.0
## 1300          9.0          9.0          8.0
## 1301          7.0          6.0           NA
## 1302          7.0          8.0           NA
## 1303          8.0          8.0           NA
## 1304          7.0          6.0          6.0
## 1305          8.0          8.0          8.0
## 1306          7.0          7.0           NA
## 1307          9.0          8.0           NA
## 1308          6.0          7.0           NA
## 1309          7.0          7.0           NA
## 1310          7.0          7.0          7.0
## 1311          7.0          6.0          6.0
## 1312          8.0          8.0          8.0
## 1313          7.0          6.0           NA
## 1314          8.0          8.0           NA
## 1315          7.0          7.0          7.0
## 1316          9.0          9.0          6.0
## 1317          8.0          7.0          6.0
## 1318          8.0          6.0          7.0
## 1319          7.0          4.0          6.0
## 1320          8.0          7.0          8.0
## 1321          6.0          5.0          6.0
## 1322          7.0          6.0          8.0
## 1323          7.0          7.0          6.0
## 1324          6.0          5.0          7.0
```

```
## 1325          8.0          8.0          8.0
## 1326          7.0          7.0          6.0
## 1327          6.0          5.0          7.0
## 1328          7.0          7.0          7.0
## 1329          8.0          4.0          9.0
## 1330          8.0          8.0          9.0
## 1331          8.0          6.0          8.0
## 1332          8.0          8.0          7.0
## 1333         10.0           NA           NA
## 1334         10.0           NA           NA
## 1335         10.0           NA           NA
## 1336         10.0           NA           NA
## 1337         10.0           NA           NA
## 1338         10.0           NA           NA
## 1339         10.0           NA           NA
## 1340         10.0           NA           NA
## 1341         10.0           NA           NA
## 1342         10.0           NA           NA
## 1343         10.0         10.0           NA
## 1344         10.0           NA           NA
## 1345         10.0         10.0           NA
## 1346         10.0           NA           NA
## 1347         10.0           NA         10.0
## 1348         10.0           NA           NA
## 1349         10.0           NA           NA
## 1350         10.0           NA           NA
## 1351          8.0          5.0          7.0
## 1352          9.0          8.0          8.0
## 1353          3.0          4.0          2.0
## 1354          8.0          8.0          8.0
## 1355          6.0          7.0          5.0
## 1356          7.0          5.0          5.0
## 1357          7.0          4.0          3.0
## 1358          8.0          8.0          9.0
## 1359          7.0          7.0          7.0
## 1360          9.0          5.0          4.0
## 1361          7.0          4.0          8.0
## 1362          8.0          8.0          7.0
## 1363          5.0          4.0          5.0
## 1364          8.0          7.0          7.0
## 1365          8.0          6.0          5.0
## 1366          8.0          7.0          8.0
## 1367          8.0          5.0          7.0
## 1368          7.0          5.0          9.0
## 1369          8.0          7.0          7.0
## 1370          6.0          5.0          5.0
## 1371          7.0          7.0          8.0
## 1372          8.0          8.0          6.0
## 1373          8.0          7.0          8.0
## 1374          9.0          9.0          9.0
## 1375          9.0          8.0          8.0
## 1376          8.0          8.0          8.0
## 1377          9.0          8.0          7.0
## 1378          9.0          9.0          7.0
```

```
## 1379              9.0          9.0          7.0
## 1380              8.0          8.0          6.0
## 1381              9.0          9.0          9.0
## 1382              8.0          9.0          8.0
## 1383              7.0          2.0          4.0
## 1384              9.0          9.0          9.0
## 1385              8.0          7.0          6.0
## 1386             10.0         10.0          8.0
## 1387              8.0          8.0           NA
## 1388              6.0          5.0           NA
## 1389              6.0          5.0           NA
## 1390              8.0          6.0           NA
## 1391              7.0           NA           NA
## 1392              7.0          7.0           NA
## 1393              8.0          9.0          7.0
## 1394              8.0          7.0           NA
## 1395              8.0          7.0           NA
## 1396              7.0          8.0           NA
## 1397              8.0          9.0           NA
## 1398              6.0          6.0           NA
## 1399              8.0          7.0           NA
## 1400              9.0          6.0          9.0
## 1401              9.0          6.0          8.0
## 1402              7.0          8.0           NA
## 1403              8.0          7.0           NA
## 1404              8.0          8.0           NA
## 1405              8.0         10.0          6.0
## 1406              6.0          6.0          6.0
## 1407              6.0          3.0          6.0
## 1408              4.0          4.0          6.0
## 1409              8.0          7.0          7.0
## 1410              7.0          8.0          8.0
## 1411              8.0          9.0          8.0
## 1412              8.0          8.0          5.0
## 1413              7.0          5.0          5.0
## 1414              7.0          2.0          7.0
## 1415              8.0          8.0          8.0
## 1416              6.0          7.0          4.0
## 1417              6.0          6.0          7.0
## 1418              7.0          1.0          3.0
## 1419              7.0          2.0          2.0
## 1420              8.0          8.0         10.0
## 1421              8.0          6.0          8.0
## 1422              7.0          6.0          6.0
## 1423              9.0          7.0          7.0
## 1424              7.0          7.0          7.0
## 1425              6.0          6.0          6.0
## 1426              8.0          6.0          7.0
## 1427              8.0          6.0          7.0
## 1428              8.0          8.0          8.0
## 1429              6.0          6.0          6.0
## 1430              8.0          8.0          8.0
## 1431              9.0          8.0          8.0
## 1432              8.0          8.0          7.0
```

```
## 1433                 7.0           7.0            7.0
## 1434                 7.0           7.0            7.0
## 1435                 7.0           6.0            7.0
## 1436                 8.0           7.0            8.0
## 1437                 8.0           5.0            5.0
## 1438                 8.0           8.0            8.0
## 1439                 6.0           6.0            6.0
## 1440                 7.0           8.0            7.0
## 1441                 7.0           6.0            6.0
## 1442                 6.0           6.0            6.0
## 1443                 6.0           6.0            4.0
## 1444                 7.0           7.0            7.0
## 1445                 8.0           6.0            7.0
## 1446                 7.0           7.0            7.0
## 1447                 7.0           8.0            6.0
## 1448                 6.0           7.0            7.0
## 1449                 6.0           6.0            6.0
## 1450                 6.0           6.0            5.0
## 1451                 7.0           8.0            7.0
## 1452                 6.0           6.0            6.0
## 1453                 6.0           6.0            6.0
## 1454                 7.0           6.0            7.0
## 1455                10.0          10.0           10.0
## 1456                 7.0           6.0            8.0
## 1457                 6.0           6.0            6.0
## 1458                 6.0           8.0            6.0
## 1459                 8.0           9.0            8.0
## 1460                 8.0           8.0            7.0
## 1461                 8.0           6.0            4.0
## 1462                 8.0           9.0            5.0
## 1463                 9.0           6.0            5.0
## 1464                 9.0           8.0           10.0
## 1465                 7.0           6.0            7.0
## 1466                 8.0           7.0            5.0
## 1467                 9.0           8.0            7.0
## 1468                 8.0           7.0            6.0
## 1469                 8.0           8.0            7.0
## 1470                 7.0           6.0            7.0
## 1471                 8.0           8.0            7.0
## 1472                 9.0           6.0            8.0
## 1473                 7.0           5.0            6.0
## 1474                10.0           9.0            7.0
## 1475                 8.0           7.0            6.0
## 1476                 8.0           7.0            6.0
## 1477                 7.0           8.0            4.0
## 1478                 7.0           6.0            4.0
## 1479                10.0           8.0            8.0
## 1480                10.0           6.0            9.0
## 1481                 7.0           3.0           10.0
## 1482                 6.0           3.0           10.0
## 1483                 5.0           5.0            3.0
## 1484                10.0          10.0           10.0
## 1485                10.0           8.0            8.0
## 1486                 6.0           3.0            6.0
```

```
## 1487               7.0            8.0            9.0
## 1488               6.0            8.0            4.0
## 1489               8.0            8.0            6.0
## 1490               8.0            8.0           10.0
## 1491               8.0            3.0             NA
## 1492              10.0           10.0           10.0
## 1493               4.0            4.0            6.0
## 1494              10.0            8.0            8.0
## 1495               9.0            9.0            9.0
## 1496               8.0            8.0            9.0
## 1497               6.5            5.0            5.0
## 1498               9.0            7.0            6.0
## 1499               8.0            5.5            6.0
## 1500               9.0            9.0            9.0
## 1501               8.0            8.0            7.0
## 1502               9.0            8.0            7.0
## 1503               8.5            6.5            9.0
## 1504               7.0            8.0            6.0
## 1505               8.0            7.0            8.0
## 1506               9.0            9.0            9.0
## 1507               9.0            9.0            9.0
## 1508               9.0            6.0            9.0
## 1509               8.0            6.0            6.0
## 1510               8.0            8.0            8.0
## 1511               9.0            9.0            9.0
## 1512               9.0            9.5            9.5
## 1513               8.0            7.0            5.0
## 1514               7.0            6.0            5.0
## 1515               5.0            5.0            4.0
## 1516               7.0            7.0            4.0
## 1517               8.0            7.0            6.0
## 1518               6.0            7.0            6.0
## 1519               6.0            7.0            5.0
## 1520               5.0            7.0            6.0
## 1521               9.0            8.0            8.0
## 1522               6.0            5.0            4.0
## 1523               8.0            7.0            7.0
## 1524               6.0            6.0            7.0
## 1525               7.0            8.0            5.0
## 1526               7.0            6.0            6.0
## 1527               7.0            6.0            5.0
## 1528               7.0            9.0            8.0
## 1529               6.0            6.0            8.0
## 1530               7.0            7.0            6.0
## 1531               8.0            8.0            8.0
## 1532               8.0            7.0            5.0
## 1533               8.0            8.0            8.0
## 1534               7.0            7.0            7.0
## 1535               7.0            7.0            7.0
## 1536               8.0            6.0            8.0
## 1537               8.0            8.0            7.0
## 1538               8.0            7.0            7.0
## 1539               8.0            8.0            6.0
## 1540               8.0            8.0            7.0
```

```
## 1541              8.0           8.0           7.0
## 1542              8.0           8.0           7.0
## 1543              7.0           6.0           6.0
## 1544              8.0           6.0           8.0
## 1545              8.0           6.0           8.0
## 1546              8.0           7.0           8.0
## 1547              8.0           6.0           8.0
## 1548              8.0           7.0           7.0
## 1549              8.0           8.0           7.0
## 1550              8.0           6.0           9.0
## 1551              7.0           4.0           6.0
## 1552              9.0           8.0           6.0
## 1553              8.0           6.0           9.0
## 1554              8.0           5.0          10.0
## 1555              9.0           8.0           6.0
## 1556              9.0           8.0           8.0
## 1557              7.0           6.0           8.0
## 1558              8.0           8.0           8.0
## 1559              9.0           8.0           7.0
## 1560              8.0           7.0           9.0
## 1561              8.0           7.0           6.0
## 1562              8.0           5.0           9.0
## 1563              8.0           4.0            NA
## 1564              8.0           7.0           8.0
## 1565              8.0           8.0           7.0
## 1566              8.0           7.0           8.0
## 1567              8.0           8.0           6.0
## 1568              7.0           5.0           6.0
## 1569              5.0           2.0           2.0
## 1570              5.0           5.0           3.0
## 1571              6.0           3.0           5.0
## 1572              7.0           6.0           8.0
## 1573              5.0           5.0           5.0
## 1574              6.0           7.0           5.0
## 1575              6.0           5.0           5.0
## 1576              7.0           6.0           7.0
## 1577              7.0           4.0           7.0
## 1578              7.0           5.0           5.0
## 1579              7.0           5.0           5.0
## 1580              6.0           6.0           8.0
## 1581              5.0           4.0           5.0
## 1582              8.0           5.0           6.0
## 1583              6.0           3.0           4.0
## 1584              7.0           5.0           5.0
## 1585              7.0           9.0           7.0
## 1586              7.0           4.0           9.0
## 1587              6.0           2.0           8.0
## 1588              8.0           8.0           7.0
## 1589              9.0           6.0           8.0
## 1590              7.0           8.0           8.0
## 1591              8.0           8.0           7.0
## 1592              6.0           2.0           5.0
## 1593              9.0          10.0           5.0
## 1594              6.0           5.0           5.0
```

```
## 1595          8.0          1.0         10.0
## 1596         10.0         10.0         10.0
## 1597          8.0          7.0          7.0
## 1598          8.0         10.0          7.0
## 1599          9.0          8.0          7.0
## 1600          8.0          3.0          6.0
## 1601          6.0          7.0          4.0
## 1602          6.0          6.0          5.0
## 1603          4.0          2.0          9.0
## 1604          5.0          6.0          5.0
## 1605          5.0          5.0          5.0
## 1606          2.0          2.0          6.0
## 1607          7.0          8.0          7.0
## 1608          4.0          5.0          3.0
## 1609         10.0         10.0         10.0
## 1610         10.0          7.0          6.0
## 1611         10.0          2.0         10.0
## 1612         10.0         10.0         10.0
## 1613         10.0          8.0         10.0
## 1614          9.0          9.0         10.0
## 1615          9.0          8.0          8.0
## 1617         10.0         10.0         10.0
## 1618          8.0          8.0          8.0
## 1619          8.0          2.0         10.0
## 1620          8.0          9.0          8.0
## 1621         10.0          7.0          9.0
## 1622          6.0          7.0          5.0
## 1623          8.0          6.0          6.0
## 1624          7.0          3.0          7.0
## 1625         10.0         10.0         10.0
## 1626          8.0          7.0          8.0
## 1627          7.0          5.0          9.0
## 1628         10.0         10.0         10.0
## 1629          9.0          7.0          8.0
## 1630          7.0          6.0          8.0
## 1631          6.0          6.0          6.0
## 1633          5.0          5.0          5.0
## 1634          7.0          8.0          9.0
## 1635          8.0           NA          8.0
## 1636          8.0          9.0          8.0
## 1637          8.0          7.0          6.0
## 1638          9.0         10.0          8.0
## 1639           NA           NA           NA
## 1640          6.0          2.0           NA
## 1641          7.0          8.0          8.0
## 1642          6.0          2.0          2.0
## 1643          4.0          1.0          6.0
## 1644          8.0          6.0          8.0
## 1645          8.0          7.0          8.0
## 1646          5.0          2.0          2.0
## 1647          8.0          6.0          5.0
## 1648          6.0          5.0          7.0
## 1649         10.0          7.0          7.0
## 1650          7.0          5.0         10.0
```

```
## 1651                7.0           6.0           6.0
## 1652               10.0           8.0           8.0
## 1653               10.0           7.0          10.0
## 1654                2.0           1.0           1.0
## 1655               10.0           5.0           7.0
## 1656               10.0           8.0          10.0
## 1657                9.0           9.0           9.0
## 1658               10.0          10.0          10.0
## 1659                7.0           7.0           7.0
## 1660               10.0          10.0          10.0
## 1661               10.0          10.0          10.0
## 1662               10.0          10.0          10.0
## 1663                8.0           7.0           8.0
## 1664                7.0           7.0           7.0
## 1665                8.0           7.0           6.0
## 1666                7.0           6.0           4.0
## 1667                5.0           4.0           4.0
## 1668                6.0           5.0           4.0
## 1669                4.0           4.0           5.0
## 1670                5.0           4.0           4.0
## 1671                5.0           6.0           5.0
## 1672                5.0           6.0           7.0
## 1673                8.0           5.0           7.0
## 1674                5.0           4.0           5.0
## 1675                7.0           4.0           4.0
## 1676                7.0           5.0           5.0
## 1677                8.0           7.0           7.0
## 1678                4.0           4.0           4.0
## 1679                3.0           2.0           5.0
## 1680                6.0           5.0           5.0
## 1681                4.0           5.0           3.0
## 1682                6.0           6.0           8.0
## 1683                9.0           6.0           7.0
## 1684                9.0           9.0           8.0
## 1685                7.0           7.0           7.0
## 1686                8.0           6.0           7.0
## 1687                9.0          10.0           9.0
## 1688               10.0          10.0          10.0
## 1689                6.0          10.0          10.0
## 1690                6.0           6.0           6.0
## 1691                7.0           8.0           7.0
## 1692                6.0           5.0           4.0
## 1693                7.0           6.0           6.0
## 1694                9.0           9.0           8.0
## 1695                7.0           6.0           7.0
## 1696                6.0           6.0           6.0
## 1697                8.0           9.0           7.0
## 1698                7.0           7.0           7.0
## 1699                8.0           9.0           7.0
## 1700                7.0           7.0           6.0
## 1701                7.0           6.0           6.0
## 1702                9.0          10.0           8.0
## 1703                5.0           5.0           5.0
## 1704                7.0           2.0           5.0
```

```
## 1705            7.0          10.0           7.0
## 1706            7.0           7.0           5.0
## 1707            8.0           8.0          10.0
## 1708            8.0           6.0           7.0
## 1709            7.0           8.0           5.0
## 1710            7.0           0.0           5.0
## 1711            8.0           9.0           9.0
## 1712            9.0           8.0           8.0
## 1713            9.0           8.0           8.0
## 1714            6.0          10.0           8.0
## 1715            7.0           7.0           8.0
## 1716            9.0           9.0           7.0
## 1717            9.0           7.0           8.0
## 1718           10.0          10.0           8.0
## 1719            7.0           7.0           8.0
## 1720            5.0           5.0           5.0
## 1721            5.0           5.0           5.0
## 1722            5.0           5.0           5.0
## 1724            5.0           5.0           5.0
## 1726            6.0           6.0           6.0
## 1727            7.0           6.0           6.0
## 1728           10.0           6.0           7.0
## 1729            7.0           9.0           6.0
## 1730            8.0           8.0           8.0
## 1731            9.0           5.0           9.0
## 1732            9.0           9.0           9.0
## 1733            8.0           8.0           7.0
## 1734            7.0           8.0           6.0
## 1735            8.0           7.0           8.0
## 1736            5.0           6.0           6.0
## 1737            7.0           8.0           8.0
## 1738            5.0           7.0           5.0
## 1739            7.0           9.0          10.0
## 1740            9.0           8.0           7.0
## 1741            8.0           5.0           8.0
## 1742            9.0           9.0          10.0
## 1743            6.0           5.0           6.0
## 1744             NA            NA            NA
## 1745            8.0            NA            NA
## 1746             NA           8.0           4.0
## 1747            8.0           8.0            NA
## 1748             NA           8.0           8.0
## 1749            9.0           8.0           9.0
## 1750           10.0           6.0           7.0
## 1751            9.0           8.0           8.0
## 1752            8.0           7.0           7.0
## 1753            4.0           6.0           6.0
## 1754            8.0           9.0           8.0
## 1755            8.0           2.0           7.0
## 1756            6.0           1.0           7.0
## 1757            8.0           8.0           7.0
## 1758           10.0           6.0           8.0
## 1759            9.0           7.0           6.0
## 1760             NA           6.0           5.0
```

```
## 1761            7.0            7.0            7.0
## 1762            8.0            6.0            8.0
## 1763            7.5            7.0            7.0
## 1764            8.0            7.0            7.0
## 1765            7.0            7.0            7.0
## 1766            9.0            9.0            6.0
## 1767            8.0            7.0            6.0
## 1768            8.0            8.0            6.0
## 1769            6.0            4.0            6.0
## 1770            9.0            8.0            7.0
## 1771            8.0            8.0           10.0
## 1772            9.0            8.0            8.0
## 1773            9.0            8.0            8.0
## 1774            8.0            8.0            8.0
## 1775           10.0            8.0            5.0
## 1776            7.0            6.0            5.0
## 1777            6.0            8.0            9.0
## 1778            8.0            8.0            8.0
## 1779            9.0           10.0            9.0
## 1780           10.0           10.0           10.0
## 1781            7.0            9.0            8.0
## 1782            9.0            5.0            6.0
## 1783            8.0            8.0            8.0
## 1784            8.0            9.0            9.0
## 1785            8.0            6.0            7.0
## 1786            8.0            5.0             NA
## 1787            7.0            8.0            7.0
## 1788            8.0            9.0            8.0
## 1789            9.0            8.0            9.0
## 1790            9.0            8.0            9.0
## 1791            9.0            8.0            8.0
## 1792            9.0           10.0            6.0
## 1793            9.0            8.0            8.0
## 1794            7.0            6.0            4.0
## 1795            9.0            9.0            9.0
## 1796            9.0            8.0            8.0
## 1797            9.0            6.0            7.0
## 1798            9.0            7.0            8.0
## 1799            9.0            8.0            8.0
## 1800            8.0            9.0            8.0
## 1801            7.0            4.0            7.0
## 1802            8.0            5.0            7.0
## 1803            8.0            8.0            8.0
## 1804            8.0           10.0            7.0
## 1805            8.0            8.0            7.0
## 1806            7.0            8.0            7.0
## 1807            7.0            7.0            6.0
## 1808            6.0            5.0            6.0
## 1809            8.0            7.0            7.0
## 1810            8.0            7.0            7.0
## 1811            6.0            6.0            5.0
## 1812            8.0            8.0            6.0
## 1813            8.0            6.0            7.0
## 1814            8.0            7.0            7.0
```

```
## 1815              7.0              7.0              8.0
## 1816              8.0              6.0              7.0
## 1817             10.0              7.0              9.0
## 1818             10.0             10.0             10.0
## 1819              7.0             10.0              7.0
## 1820              9.0              9.0              8.0
## 1821              9.0              8.0              9.0
## 1822              8.0              7.0              9.0
## 1823             10.0              9.0              8.0
## 1824              7.0              7.0              5.0
## 1825              7.0              7.0              7.0
## 1826              9.0              8.0              7.0
## 1827              8.0              8.0              7.0
## 1828              9.0              7.0              7.0
## 1829              9.0              7.0              7.0
## 1830              9.0              7.0              8.0
## 1831              9.0              7.0              8.0
## 1832             10.0             10.0             10.0
## 1833              8.0               NA               NA
## 1834             10.0              8.0               NA
## 1835              7.0              8.0              8.0
## 1836              8.0               NA               NA
## 1837             10.0               NA              8.0
## 1838              8.0              8.0               NA
## 1839             10.0             10.0              8.0
## 1840              7.0               NA               NA
## 1841              6.0              6.0               NA
## 1842              8.0              7.0               NA
## 1843             10.0               NA               NA
## 1844              8.0              8.0               NA
## 1845              8.0               NA               NA
## 1846              8.0              7.0               NA
## 1847              8.0              7.0               NA
## 1848              8.0              8.0               NA
## 1849              8.0              5.0              5.0
## 1850              8.0              5.0              5.0
## 1851              7.0              8.0              9.0
## 1852              7.0              6.0              6.0
## 1853              6.0              6.0              5.0
## 1854              8.0              7.0              7.0
## 1855              8.0              6.0              6.0
## 1856              7.0              5.0              6.0
## 1857              8.0              6.0              8.0
## 1858              6.0              6.0              6.0
## 1859              8.0              4.0              4.0
## 1860              8.0              7.0              7.0
## 1861              8.0              4.0              6.0
## 1862              9.0              4.0              6.0
## 1863             10.0             10.0              8.0
## 1864              8.0              8.0              4.0
## 1865              8.0              2.0              6.0
## 1866              8.0              2.0              7.0
## 1867              7.0              8.0              8.0
## 1868              8.0              5.0              5.0
```

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```
## 1869              8.0            4.0            9.0
## 1870              9.0            8.0            8.0
## 1871              7.0            6.0            7.0
## 1872              6.0            1.0            5.0
## 1873              7.0            5.0            5.0
## 1874              8.0            5.0            8.0
## 1875              8.0            4.0            2.0
## 1876              8.0            5.0            5.0
## 1877              8.0            4.0            8.0
## 1878              8.0            7.0            8.0
## 1879              8.0           10.0           10.0
## 1880              9.0            5.0            8.0
## 1881              7.0            4.0            7.0
## 1882              8.0            4.0            6.0
## 1883              8.0            8.0            8.0
## 1884              8.0            8.0            6.0
## 1885              7.0            4.0            8.0
## 1886              6.0            4.0            4.0
## 1887              8.0            3.0            3.0
## 1888              6.0            4.0            4.0
## 1889              6.0            3.0            7.0
## 1890              7.0            7.0            5.0
## 1891              8.0            4.0            7.0
## 1892              8.0            7.0            7.0
## 1893              7.0            4.0            8.0
## 1894              8.0            6.0            7.0
## 1895              7.0            6.0            6.0
## 1896              8.0            7.0            4.0
## 1897              8.0            6.0            9.0
## 1898             10.0            8.0            8.0
## 1899              7.0            7.0            7.0
## 1900              8.0            8.0            8.0
## 1901              7.0            6.0            6.0
## 1902              8.0            8.0            6.0
## 1903              6.0            7.0            6.0
## 1904              8.0            7.0            8.0
## 1905              6.0            5.0            8.0
## 1906              8.0            8.0            8.0
## 1907              8.0            8.0            8.0
## 1908              9.0            9.0            9.0
## 1909              9.0            6.0            9.0
## 1910              9.0            6.0            9.0
## 1911              8.0            7.0            8.0
## 1912              8.0            8.0            8.0
## 1913              5.0            1.0            3.0
## 1914              7.0            4.0            6.0
## 1915              8.0            7.0            7.0
## 1916              8.0            8.0            7.0
## 1917              7.0            7.0            6.0
## 1918              7.0            8.0            7.0
## 1919              8.0            5.0            7.0
## 1920              5.0            4.0            6.0
## 1921              6.0            6.0            5.0
## 1922              6.0            5.0            4.0
```

```
## 1923                    7.0            4.0              5.0
## 1924                    7.0            7.0              7.0
## 1925                    8.0            3.0              7.0
## 1926                    6.0            5.0              7.0
## 1927                    7.0            6.0              7.0
## 1928                    8.0            9.0              6.0
## 1929                    7.0            6.0              8.0
## 1930                    5.0            4.0               NA
## 1931                    7.0            7.0              7.0
## 1932                    8.0            8.0              9.0
## 1933                    8.0            7.0               NA
## 1934                    7.0            7.0              6.0
## 1935                    8.0            7.0               NA
## 1936                    7.0            8.0              8.0
## 1937                    6.0            5.0               NA
## 1938                    8.0            8.0              8.0
## 1939                    7.0            6.0              7.0
## 1940                    9.0            8.0              8.0
## 1941                    7.0            6.0              8.0
## 1942                    8.0            8.0               NA
## 1943                    7.0            8.0              9.0
## 1944                    8.0            6.0              7.0
## 1945                    8.0            6.0               NA
## 1946                    6.0            8.0               NA
## 1947                    6.0            6.0              6.0
## 1948                    7.0            7.0               NA
## 1949                    7.0            6.0              7.0
## 1950                    8.0            8.0              6.0
## 1951                    7.0            7.0               NA
## 1952                    5.0            5.0               NA
## 1953                    5.0            4.0               NA
## 1954                    7.0            7.0               NA
## 1955                    6.0            6.0               NA
## 1956                    7.0            7.0               NA
## 1957                    7.0            5.0               NA
## 1958                    7.0            7.0              7.0
## 1959                    6.0            6.0              7.0
## 1960                    6.0            6.0               NA
## 1961                   10.0            5.0              8.0
## 1962                    9.0            8.0              9.0
## 1963                    9.0            9.0              9.0
## 1964                    9.0            9.0              8.0
## 1965                    8.0            7.0              7.0
## 1966                    8.0            9.0              8.0
## 1967                    9.0            9.0              7.0
## 1968                    7.0            5.0              5.0
## 1969                    9.0            9.0              9.0
## 1970                    8.0            8.0              8.0
## 1971                    7.0            5.0              7.0
## 1972                    9.0            9.0              8.0
## 1973                   10.0            5.0              9.0
## 1974                    9.0            8.0              8.0
## 1975                   10.0           10.0             10.0
## 1976                   10.0            9.0              9.0
```

```
## 1977                7.0            2.0                7.0
## 1978                6.0            3.0                6.0
## 1979                6.0            7.0                6.0
## 1980                7.0            8.0                7.0
## 1981                6.0            4.0                6.0
## 1982                6.0            6.0                5.0
## 1983                7.0            7.0                8.0
## 1984                5.0            6.0                4.0
## 1985                7.0            6.0                6.0
## 1986                6.0            6.0                6.0
## 1987                4.0            6.0                6.0
## 1988                8.0            7.0                8.0
## 1989                8.0            3.0                8.0
## 1990                7.0            4.0                8.0
## 1991                8.0            6.0                7.0
## 1992                8.0            4.0                8.0
## 1993               10.0            3.0               10.0
## 1994               10.0            6.0               10.0
## 1995               10.0            9.0               10.0
## 1996               10.0            7.0                9.0
## 1997               10.0            3.0                8.0
## 1998               10.0            7.0               10.0
## 1999               10.0            6.0               10.0
## 2000               10.0            7.0                8.0
## 2001               10.0            9.0               10.0
## 2002               10.0            6.0                9.0
## 2003               10.0            9.0               10.0
## 2004               10.0            8.0                9.0
## 2005               10.0            3.0               10.0
## 2006               10.0            2.0                9.0
## 2007               10.0            8.0               10.0
## 2008               10.0            9.0                9.0
## 2009                3.0            2.0                3.0
## 2010                6.0            6.0                5.0
## 2011                7.0           10.0                9.0
## 2012                6.0            7.0                6.0
## 2013                7.0            2.0                5.0
## 2014                6.0            5.0                5.0
## 2015                6.0            7.0                7.0
## 2016                7.0            4.0                5.0
## 2017                7.0            7.0                7.0
## 2018                5.0            6.0                3.0
## 2019                8.0            7.0                6.0
## 2020                7.0            8.0                7.0
## 2021                7.0            4.0                5.0
## 2022                7.0            6.0                7.0
## 2023                7.0            8.0                7.0
## 2024                5.0            6.0                5.0
## 2025                8.0            7.0                7.0
## 2026                9.0            6.0                8.0
## 2027                9.0            7.0                7.0
## 2028                9.0            7.0                7.0
## 2029                8.0            7.0                7.0
## 2030                7.0            9.0                8.0
```

```
## 2031                 8.0           7.0              7.0
## 2032                 9.0           8.0              7.0
## 2033                 9.0           7.0              7.0
## 2034                 8.0           9.0              7.0
## 2035                 8.0           7.0              7.0
## 2036                 8.0           6.0              7.0
## 2037                 7.0           8.0              7.0
## 2038                 9.0           8.0              7.0
## 2039                 8.0           8.0              7.0
## 2040                 8.0           7.0              6.0
## 2041                 7.0           6.0               NA
## 2042                 7.0           5.0              4.0
## 2043                 8.0           8.0              7.0
## 2044                 8.0           7.0              7.0
## 2045                 8.0           5.0              6.0
## 2046                 6.0           6.0              6.0
## 2047                 6.0           5.0              5.0
## 2048                 7.0           7.0              7.0
## 2049                 9.0           8.0              8.0
## 2050                 7.0           7.0              7.0
## 2051                 7.0           5.0               NA
## 2052                 7.0           6.0              6.0
## 2053                 7.0           7.0              8.0
## 2054                 8.0           7.0              5.0
## 2055                 7.0           5.0              5.0
## 2056                 6.0           6.0               NA
## 2057                 8.0           7.0              9.0
## 2058                 7.0           5.0              8.0
## 2059                 9.0           9.0              9.0
## 2060                 9.0           4.0             10.0
## 2061                  NA           6.0              7.0
## 2062                 9.0           8.0              8.0
## 2063                 8.0           8.0              8.0
## 2064                 9.0           6.0              8.0
## 2065                 9.0           8.0              8.0
## 2066                  NA           8.0              7.0
## 2067                10.0           6.0              9.0
## 2068                 8.0           6.0              7.0
## 2069                 8.0           7.0              8.0
## 2070                 8.0           8.0               NA
## 2071                 8.0           9.0              9.0
## 2072                 8.0           9.0              9.0
## 2073                 8.0           7.0              6.0
## 2074                 8.0           5.0             10.0
## 2075                10.0           9.0              3.0
## 2076                10.0           7.0              5.0
## 2077                 7.0           4.0              5.0
## 2078                 9.0          10.0              6.0
## 2079                 8.0           5.0              7.0
## 2080                 7.0           5.0              8.0
## 2081                10.0           8.0              6.0
## 2082                 8.0           9.0              8.0
## 2083                 9.0           6.0              5.0
## 2084                 6.0           6.0              5.0
```

```
## 2085              8.0          9.0          7.0
## 2086              8.0         10.0          7.0
## 2087             10.0          8.0          8.0
## 2088              8.0          9.0          7.0
## 2089              7.0          6.0          6.0
## 2090              6.0          2.0          7.0
## 2091              7.0          7.0          7.0
## 2092              7.0          7.0          6.0
## 2093              8.0          3.0          6.0
## 2094              7.0          8.0          7.0
## 2095              7.0          7.0          6.0
## 2096              6.0          7.0          7.0
## 2097              8.0          5.0          6.0
## 2098              7.0          7.0          6.0
## 2099              7.0          5.0          6.0
## 2100              6.0          3.0          7.0
## 2101              7.0          6.0          7.0
## 2102              3.0          4.0          7.0
## 2103              7.0          5.0          9.0
## 2104              6.0          6.0          7.0
## 2105              7.0          5.0          6.0
## 2106              7.0          6.0          6.0
## 2107              8.0          6.0          6.0
## 2108              6.0          8.0          5.0
## 2109              7.0          6.0          7.0
## 2110              7.0          8.0          7.0
## 2111              8.0          7.0          6.0
## 2112              8.0          7.0          7.0
## 2113              9.0          8.0          8.0
## 2114              8.0          7.0          6.0
## 2115              8.0          6.0          7.0
## 2116              8.0          8.0          8.0
## 2117              8.0          8.0          7.0
## 2118              6.0          6.0          6.0
## 2119              9.0          8.0          8.0
## 2120              6.0          6.0          7.0
## 2121              9.0          7.0           NA
## 2122              9.0          5.0           NA
## 2123              9.0          7.0          6.0
## 2124              9.0          8.0           NA
## 2125             10.0          8.0          8.0
## 2126              6.0          8.0          6.0
## 2127              7.0           NA           NA
## 2128              6.0          6.0           NA
## 2129              9.0          9.0           NA
## 2130              7.0          9.0           NA
## 2131              9.0           NA           NA
## 2132              8.0          6.0           NA
## 2133              7.0           NA           NA
## 2134              8.0           NA          7.0
## 2135             10.0          7.0          9.0
## 2136              8.0          9.0           NA
## 2137              9.0          7.0          8.0
## 2138              9.0          6.0          8.0
```

```
## 2139            10.0           8.0            7.0
## 2140             9.0           6.0            8.0
## 2141             9.0           7.0            7.0
## 2142             8.0          10.0            8.0
## 2143             9.0           6.0            9.0
## 2144             9.0           7.0            6.0
## 2145             9.0           8.0            8.0
## 2146             8.0          10.0            7.0
## 2147            10.0           5.0            9.0
## 2148             8.0           6.0            7.0
## 2149             8.0           8.0           10.0
## 2150             8.0           6.0            5.0
## 2151             7.0           7.0            8.0
## 2152             8.0           6.0            8.0
## 2153             8.0           4.0             NA
## 2154             7.0           5.0             NA
## 2155             9.0           9.0             NA
## 2156             7.0           6.0             NA
## 2157             7.0           7.0             NA
## 2158             8.0           9.0             NA
## 2159             8.0           8.0            8.0
## 2160             7.0           7.0             NA
## 2161             9.0           8.0            9.0
## 2162             8.0           8.0             NA
## 2163              NA           5.0             NA
## 2164             7.0           4.0             NA
## 2165             7.0           7.0             NA
## 2166             7.0           7.0             NA
## 2167             7.0           7.0             NA
## 2168             8.0           8.0             NA
## 2169             7.0           6.0            4.0
## 2170             6.0           4.0            5.0
## 2171             5.0           4.0            5.0
## 2172             6.0           4.0            5.0
## 2173             8.0           2.0            5.0
## 2174             5.0           8.0            2.0
## 2175             6.0           5.0            4.0
## 2176             6.0           5.0            4.0
## 2177             6.0           7.0            5.0
## 2178             5.0           4.0            3.0
## 2179             8.0           6.0            5.0
## 2180             6.0           5.0            6.0
## 2181             7.0           6.0            6.0
## 2182             5.0           4.0            4.0
## 2183             6.0           5.0            6.0
## 2184             6.0           6.0            5.0
## 2185             7.0           7.0            7.0
## 2186             5.0           6.0            6.0
## 2187             8.0           8.0            8.0
## 2188             7.0           7.0            7.0
## 2189             7.0           6.0            6.0
## 2190             8.0           7.0            5.0
## 2191             8.0           6.0            6.0
## 2192             6.0           6.0            6.0
```

```
## 2193               7.0          7.0           7.0
## 2194               7.0          7.0           8.0
## 2195               7.0          7.0           7.0
## 2196               7.0          6.0           6.0
## 2197               8.0          8.0           8.0
## 2198               7.0          7.0           7.0
## 2199               8.0          7.0           7.0
## 2200               8.0          8.0           8.0
## 2201               9.0          8.0           7.0
## 2202               9.0          8.0           8.0
## 2203               8.0          9.0           7.0
## 2204               9.0          8.0           9.0
## 2205               9.0          7.0           8.0
## 2206               8.0          9.0           8.0
## 2207               9.0           NA           9.0
## 2208               9.0          8.0           8.0
## 2209               9.0          7.0           9.0
## 2210               9.0          9.0           8.0
## 2211               8.0          7.0           8.0
## 2212               8.0          7.0           8.0
## 2213               9.0          9.0           9.0
## 2214               8.0          8.0           8.0
## 2215              10.0          8.0          10.0
## 2216               8.0          9.0           9.0
## 2217               7.0          7.0           5.0
## 2218               7.0          5.0           7.0
## 2220               6.0          6.0           6.0
## 2221               7.0          6.0           6.0
## 2222               7.0          6.0           6.0
## 2223               7.0          5.0           8.0
## 2224               7.0          6.0           6.0
## 2225               7.0          7.0           6.0
## 2226               7.0          8.0           7.0
## 2227               6.0          5.0           6.0
## 2228               7.0          6.0           5.0
## 2229               7.0          5.0           7.0
## 2230               7.0          6.0           6.0
## 2231               8.0          7.0           8.0
## 2232               6.0          5.0           7.0
## 2233               9.0          9.0           8.0
## 2234               9.0          6.0           7.0
## 2235               9.0          9.0           8.0
## 2236               9.0          5.0           8.0
## 2237               9.0          6.0           7.0
## 2238               7.0          9.0           7.0
## 2239               7.0          6.0           8.0
## 2240               8.0          6.0           9.0
## 2241               9.0          7.0           8.0
## 2242               8.0          8.0           7.0
## 2243               8.0          5.0           7.0
## 2244               8.0          6.0           7.0
## 2245               8.0          8.0          10.0
## 2246               8.0          8.0           9.0
## 2247               9.0          9.0          10.0
```

```
## 2248              9.0           9.0             10.0
## 2249              6.0           7.0              7.0
## 2250              9.0           2.0              8.0
## 2251              8.0           5.0              6.0
## 2252              9.0           2.0              4.0
## 2253              5.0           1.0              3.0
## 2254               NA           7.0              8.0
## 2255              6.0           9.0              8.0
## 2256              7.0           5.0              6.0
## 2257              8.0           4.0              6.0
## 2258              8.0           6.0              8.0
## 2259              8.0           4.0              6.0
## 2260              8.0           2.0               NA
## 2261              8.0           5.0              6.0
## 2262              6.0           4.0              5.0
## 2263              7.0           7.0              8.0
## 2264              7.0           8.0              9.0
## 2265              7.0           7.0              5.0
## 2266              5.0           4.0              5.0
## 2267              6.0           6.0              6.0
## 2268              6.0           5.0              5.0
## 2269              5.0           5.0              5.0
## 2270              5.0           6.0              6.0
## 2271              5.0           7.0              6.0
## 2272              8.0           8.0              7.0
## 2273              7.0           7.0              7.0
## 2274              7.0           8.0              7.0
## 2275              5.0           5.0              5.0
## 2276              5.0           5.0              5.0
## 2277              6.0           7.0              6.0
## 2278              7.0           8.0              7.0
## 2279              7.0           7.0              7.0
## 2280              8.0           8.0              8.0
## 2281              6.0           6.0              6.0
## 2282              5.0           5.0              5.0
## 2283              6.0           6.0              6.0
## 2284              5.0           5.0              5.0
## 2285              5.0           5.0              5.0
## 2286              5.0           5.0              5.0
## 2287              6.0           6.0              6.0
## 2288              5.0           7.0              7.0
## 2289              6.0           7.0              7.0
## 2290              6.0           7.0              7.0
## 2291              7.0           7.0              7.0
## 2292              7.0           5.0              7.0
## 2293              8.0           7.0              8.0
## 2294              7.0           7.0              6.0
## 2295              7.0           7.0              7.0
## 2296              7.0           6.0              6.0
## 2297              7.0           7.0              5.0
## 2298              8.0           8.0              8.0
## 2299              7.0           8.0              7.0
## 2300              7.0           6.0              7.0
## 2301              8.0           6.0              7.0
```

```
## 2302                6.0            6.0              7.0
## 2303                7.0            6.0              5.0
## 2304                5.0            5.0              5.0
## 2305                6.0            8.0              6.0
## 2306                7.0            5.0              5.0
## 2307                6.0            8.0              6.0
## 2308                7.0            8.0              7.0
## 2309                9.0            6.0              7.0
## 2310                8.0            6.0              7.0
## 2311                7.0            5.0              6.0
## 2312                3.0            3.0              5.0
## 2313                7.0            2.0              4.0
## 2314                7.0            5.0               NA
## 2315                6.0            3.0              4.0
## 2316                6.0            3.0              5.0
## 2317                7.0            8.0              8.0
## 2318                7.0            6.0              8.0
## 2319                8.0            8.0              8.0
## 2320                7.0            6.0              7.0
## 2321                7.0            5.0               NA
## 2322                7.0            6.0               NA
## 2323                7.0            5.0               NA
## 2325                7.0            5.0               NA
## 2326                7.0            5.0               NA
## 2327                7.0            7.0              5.0
## 2328                7.0            7.0              7.0
## 2329                7.0            5.0               NA
## 2330                8.0             NA               NA
## 2331                6.0            4.0              6.0
## 2332                6.0            5.0              6.0
## 2333                7.0            6.0              6.0
## 2334                7.0            6.0              6.0
## 2335                7.0            6.0              7.0
## 2336                7.0            5.0              7.0
## 2337                7.0            7.0              7.0
## 2338                6.0            4.0              6.0
## 2339                6.0            6.0              5.0
## 2340                7.0            8.0              8.0
## 2341                7.0            8.0              7.0
## 2342                4.0            3.0              3.0
## 2343                7.0            5.0              5.0
## 2344                5.0            5.0              5.0
## 2345                8.0            7.0              8.0
## 2346                7.0            6.0              6.0
## 2347                7.0            8.0              7.0
## 2348                8.0            8.0              8.0
## 2349                8.0            9.0              8.0
## 2350                7.0            8.0              6.0
## 2351                8.0            9.0             10.0
## 2352                9.0            6.0             10.0
## 2353                9.0            7.0              9.0
## 2354                4.0            4.0              4.0
## 2355                4.0            4.0              4.0
## 2356                8.0            8.0              9.0
```

```
## 2357              6.0             10.0              5.0
## 2358              8.0              8.0              8.0
## 2359              4.0              9.0              5.0
## 2360              9.0              8.0              9.0
## 2361              8.0              8.0              9.0
## 2362              8.0              9.0              8.0
## 2363             10.0              9.0             10.0
## 2364              9.0              8.0              9.0
## 2365              8.0              9.0             10.0
## 2366              8.0              8.0              9.0
## 2367              9.0              9.0              9.0
## 2368              9.0              9.0              9.0
## 2369              9.0              9.0              9.0
## 2370              9.0              9.0              9.0
## 2371              9.0              7.0              6.0
## 2372              7.0              6.0              6.0
## 2373              8.0              7.0              6.0
## 2374              6.0              6.0              6.0
## 2375              7.0              7.0              7.0
## 2376              8.0              7.0              6.0
## 2377              7.0              9.0              9.0
## 2378              7.0              7.0              7.0
## 2379              8.0              8.0              8.0
## 2380              7.0              6.0              6.0
## 2381             10.0              8.0              6.0
## 2382             10.0              7.0             10.0
## 2383             10.0              7.0             10.0
## 2384             10.0             10.0             10.0
## 2385             10.0              8.0              9.0
## 2386             10.0             10.0             10.0
## 2387              8.0              8.0              9.0
## 2388             10.0              8.0             10.0
## 2389             10.0              8.0              9.0
## 2390             10.0             10.0             10.0
## 2391              7.0              6.0              5.0
## 2392              8.0              4.0              7.0
## 2393              8.0              4.0              7.0
## 2394              9.0              8.0              9.0
## 2395              7.0              6.0              8.0
## 2396              9.0              9.0              9.0
## 2397              8.0              8.0              8.0
## 2398              8.0              8.0              8.0
## 2399              9.0              9.0              9.0
## 2400              6.0              7.0              6.0
## 2401              6.0               NA              5.0
## 2402              6.0              6.0              5.0
## 2403              7.0              6.0              7.0
## 2404              7.0              8.0              5.0
## 2405              6.0              2.0               NA
## 2406              7.0              8.0              7.0
## 2407               NA               NA               NA
## 2408              8.0               NA              8.0
## 2409              6.0              5.0              5.0
## 2410              6.0              6.0              5.0
```

```
## 2411        NA        NA        NA
## 2412      10.0       5.0        NA
## 2414        NA        NA        NA
## 2416       7.0       8.0        NA
## 2417       7.0       7.0        NA
## 2419        NA        NA        NA
## 2420        NA       1.0        NA
## 2421       5.0       5.0       5.0
## 2422       6.0       5.0       5.0
## 2423       7.0       5.0       5.0
## 2424       5.0       5.0       5.0
## 2425       6.0       5.0       5.0
## 2426       6.0       6.0       5.0
## 2427       5.0       8.0       5.0
## 2428       5.0       6.0       2.0
## 2429       7.0       6.0       7.0
## 2430       5.0       5.0       5.0
## 2431       7.0       5.0       5.0
## 2432       5.0       5.0       4.0
## 2433       5.0       6.0       4.0
## 2434       6.0       5.0       9.0
## 2435       8.0       5.0       5.0
## 2436       8.0       8.0       8.0
## 2437       8.0       6.0       6.0
## 2438       7.0       6.0       7.0
## 2439       6.0       6.0       7.0
## 2440       7.0       7.0       7.0
## 2441       8.0       8.0       4.0
## 2442       8.0       9.0       8.0
## 2443       8.0       7.0       9.0
## 2444       5.0       8.0       5.0
## 2445       8.0       9.0        NA
## 2446      10.0       9.0       9.0
## 2447       7.0       7.0        NA
## 2448        NA       9.0        NA
## 2449       7.0       7.0        NA
## 2450       8.0       8.0       4.0
## 2451       7.0       6.0       6.0
## 2452       8.0       7.0       8.0
## 2453       7.0       7.0       8.0
## 2454       7.0       6.0       6.0
## 2455       7.0       7.0       5.0
## 2456       9.0       8.0       8.0
## 2457       7.0       7.0       8.0
## 2458       8.0       8.0       8.0
## 2459       7.0       7.0       8.0
## 2460       7.0       6.0       6.0
## 2461       8.0       4.0       6.0
## 2462       7.0       6.0       4.0
## 2463       9.0       3.0       9.0
## 2464       6.0       7.0       9.0
## 2465       6.0       6.0       6.0
## 2466       8.0       8.0       6.0
## 2467       8.0       8.0       6.0
```

```
## 2468              6.0        5.0          6.0
## 2469              7.0        6.0          7.0
## 2470              6.0        5.0          5.0
## 2471              7.0        5.0          6.0
## 2472              8.0        6.0          8.0
## 2473              9.0        3.0          9.0
## 2474              8.0        6.0          8.0
## 2475              9.0        6.0         10.0
## 2476              9.0        8.0          8.0
## 2477              8.0        6.0          7.0
## 2478              8.0        6.0          9.0
## 2479              7.0        6.0          8.0
## 2480              7.0        7.0          6.0
## 2481             10.0        8.0         10.0
## 2482              9.0        9.0          9.0
## 2483              8.0        6.0          8.0
## 2484             10.0        7.0         10.0
## 2485             10.0        7.0         10.0
## 2486              8.0        7.0          8.0
## 2487             10.0        9.0         10.0
## 2488             10.0        8.0         10.0
## 2489              9.0        6.0          8.0
## 2490             10.0        7.0         10.0
## 2491             10.0        8.0          9.0
## 2492             10.0        8.0          9.0
## 2493              8.0        8.0          8.0
## 2494              7.0        7.0          9.0
## 2495             10.0        6.0         10.0
## 2496              8.0        6.0          7.0
## 2497              9.0        8.0          8.0
## 2498              9.0        8.0          8.0
## 2499              9.0        6.0          7.0
## 2500              9.0        7.0          8.0
## 2501             10.0        8.0          9.0
## 2502              9.0        9.0          8.0
## 2503              7.0        6.0          8.0
## 2504             10.0        7.0          9.0
## 2505             10.0        5.0          9.0
## 2506              9.0        9.0          8.0
## 2507              9.0        8.0          9.0
## 2508              7.0        7.0          8.0
## 2509             10.0        5.0          6.0
## 2510             10.0        5.0          7.0
## 2511             10.0        6.0          7.0
## 2512              8.0        9.0          8.0
## 2513              9.0        8.0          9.0
## 2514              7.0        6.0          6.0
## 2515             10.0        5.0          5.0
## 2516              9.0        9.0          8.0
## 2517              6.0        6.0          6.0
## 2518              9.0        8.0         10.0
## 2519              7.0        4.0          6.0
## 2520             10.0        9.0          8.0
## 2521              7.0        9.0          8.0
```

```
## 2522                    7.0           6.0                7.0
## 2523                    5.0           5.0                 NA
## 2524                    7.0           6.0                7.0
## 2525                    3.0           2.0                 NA
## 2526                    7.0           7.0                7.0
## 2527                    3.0           3.0                3.0
## 2528                    4.0           3.0                3.0
## 2529                    4.0           2.0                1.0
## 2530                    7.0           5.0                 NA
## 2531                    3.0           2.0                 NA
## 2532                    4.0           4.0                5.0
## 2533                    5.0           5.0                5.0
## 2534                    4.0           2.0                3.0
## 2535                    3.0           2.0                 NA
## 2536                    5.0           3.0                6.0
## 2537                    3.0           3.0                3.0
## 2538                    7.0           8.0                 NA
## 2539                    4.0           3.0                3.0
## 2540                    7.0           3.0                 NA
## 2541                    7.0           7.0                7.0
## 2542                    8.0           8.0                8.0
## 2543                    7.0           7.0                7.0
## 2544                    9.0           7.0                9.0
## 2545                    7.0           6.0                8.0
## 2546                    8.0           6.0                7.0
## 2547                    7.0           7.0                7.0
## 2548                    7.0           7.0                7.0
## 2549                    7.0           7.0                7.0
## 2550                    7.0           7.0                7.0
## 2551                    8.0           7.0                7.0
## 2552                    7.0           7.0                7.0
## 2553                    8.0           8.0                8.0
## 2554                    7.0           7.0                7.0
## 2555                    7.0           7.0                7.0
## 2556                    7.0           7.0                7.0
## 2557                    7.0           6.0                7.0
## 2558                   10.0          10.0               10.0
## 2559                   10.0          10.0               10.0
## 2560                    7.0           7.0                7.0
## 2561                    5.0           5.0                5.0
## 2562                    5.0           6.0                6.0
## 2563                    5.0           6.0                6.0
## 2564                    7.0           5.0                5.0
## 2565                    5.0           5.0                4.0
## 2566                    5.0           4.0                4.0
## 2567                    8.0           4.0                5.0
## 2568                    6.0           4.0                5.0
## 2569                    4.0           2.0                3.0
## 2570                    4.0           4.0                4.0
## 2571                    5.0           4.0                3.0
## 2572                    7.0           7.0                6.0
## 2573                    7.0           6.0                6.0
## 2574                    5.0           5.0                5.0
## 2575                    8.0           8.0                8.0
```

```
## 2576            8.0            6.0            6.0
## 2577            5.0            5.0            5.0
## 2578            5.0            4.0            4.0
## 2579            4.0            4.0            4.0
## 2580            6.0            7.0            6.0
## 2581           10.0            5.0            6.0
## 2582            8.0            6.0            8.0
## 2583            6.0            6.0            7.0
## 2584            9.0            8.0            9.0
## 2585            9.0            4.0            9.0
## 2586           10.0           10.0            9.0
## 2587            8.0           10.0            8.0
## 2588            9.0            6.0            9.0
## 2589            9.0            9.0            2.0
## 2590           10.0            5.0           10.0
## 2591           10.0            4.0           10.0
## 2592            8.0            6.0            7.0
## 2593            8.0            8.0            8.0
## 2594           10.0            6.0            8.0
## 2595            9.0            4.0            9.0
## 2596           10.0            6.0           10.0
## 2597            4.0            4.0           10.0
## 2598            3.0            8.0            8.0
## 2599            7.0            2.0            7.0
## 2600           10.0            6.0            8.0
## 2601           10.0            7.0            9.0
## 2602            8.0            8.0            8.0
## 2603            7.0            6.0             NA
## 2604           10.0            8.0           10.0
## 2605            9.0            5.0            9.0
## 2606            8.0            8.0            8.0
## 2607            9.0             NA            8.0
## 2608            8.0             NA            7.0
## 2609           10.0            4.0            9.0
## 2610            8.0            7.0            8.0
## 2611            9.0             NA            9.0
## 2612            8.0            7.0            8.0
## 2613            8.0            7.0            7.0
## 2614            7.0            7.0            7.0
## 2615            9.0            6.0            9.0
## 2616            8.0            9.0             NA
## 2617             NA            7.0            6.0
## 2618            8.0            7.0            7.0
## 2619            7.0            5.0            8.0
## 2621            8.0             NA            8.0
## 2622            8.0            8.0            8.0
## 2623            8.0            7.0             NA
## 2624           10.0             NA            9.0
## 2625             NA            1.0             NA
## 2626             NA             NA             NA
## 2627            8.0            3.0            8.0
## 2628            7.0             NA            7.0
## 2629             NA            1.0             NA
## 2630            9.0             NA            9.0
```

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```
## 2631              8.0           NA           NA
## 2632              8.0          7.0          9.0
## 2633              8.0           NA          9.0
## 2634              7.0           NA           NA
## 2635              8.0          4.0           NA
## 2636              8.0          7.0          7.0
## 2637              8.0          9.0          9.0
## 2638              8.0          7.0          8.0
## 2639              8.0          4.0           NA
## 2640              8.0          3.0          8.0
## 2641              8.0          8.0          7.0
## 2642              7.0          8.0          9.0
## 2643              7.0          8.0          9.0
## 2644              9.0          8.0         10.0
## 2645              9.0          6.0          8.0
## 2646              9.0          7.0          8.0
## 2647              9.0          7.0          8.0
## 2648              9.0          7.0          8.0
## 2649             10.0          4.0          8.0
## 2650              9.0          8.0          8.0
## 2651              9.0          5.0          8.0
## 2652              9.0          8.0          8.0
## 2653              8.0          9.0          8.0
## 2654              8.0          8.0          9.0
## 2655              9.0          6.0          7.0
## 2656              9.0          8.0          9.0
## 2657              8.0          8.0          8.0
## 2658              8.0          9.0          8.0
## 2659              9.0          7.0          9.0
## 2660              8.0          9.0          7.0
## 2661              7.0          5.0          7.0
## 2662              6.0          8.0          8.0
## 2663              6.0          5.0          7.0
## 2664              9.0         10.0         10.0
## 2665             10.0          7.0         10.0
## 2666              9.0          8.0          8.0
## 2667              9.0          7.0          9.0
## 2668              8.0           NA          9.0
## 2669             10.0          2.0          9.0
## 2670              8.0          7.0          9.0
## 2671              9.0          3.0          8.0
## 2672              8.0          8.0          8.0
## 2673              8.0         10.0          9.0
## 2674              8.0          7.0          8.0
## 2675             10.0          7.0         10.0
## 2676              9.0          8.0          9.0
## 2677              6.0          7.0          7.0
## 2678              8.0          6.0          9.0
## 2679              8.0          6.0          8.0
## 2680              9.0           NA         10.0
## 2681              7.0          8.0          7.0
## 2682              9.0          8.0          8.0
## 2683             10.0          6.0         10.0
## 2684             10.0          8.0         10.0
```

```
## 2685            9.0            5.0            9.0
## 2686            9.0            8.0            8.0
## 2687            9.0            6.0            8.0
## 2688            9.0            5.0            6.0
## 2689            8.0            1.0            2.0
## 2690            7.0            6.0            7.0
## 2691            7.0            6.0            8.0
## 2692            8.0            7.0            7.0
## 2693            8.0            9.0            7.0
## 2694            6.0            6.0            6.0
## 2695            5.0            2.0            3.0
## 2696            8.0            9.0            8.0
## 2697            7.0            7.0            6.0
## 2698            9.0            8.0            7.0
## 2699            8.0            5.0            6.0
## 2700            9.0            6.0            8.0
## 2701            7.0            6.0            7.0
## 2702            8.0            8.0            8.0
## 2703            4.0            4.0            7.0
## 2704           10.0            7.0            9.0
## 2705            8.0            6.0            6.0
## 2706            6.0            6.0            6.0
## 2707            8.0            7.0            6.0
## 2708            8.0            8.0            8.0
## 2709           10.0            5.0            8.0
## 2710            6.0            4.0            4.0
## 2711           10.0            7.0            7.0
## 2712            8.0            6.0            8.0
## 2713            6.0            4.0            9.0
## 2714            5.0            4.0            9.0
## 2715            9.0            5.0            5.0
## 2716            6.0            5.0            9.0
## 2717            6.0            2.0            9.0
## 2718            5.0            5.0            5.0
## 2719            6.0            6.0            8.0
## 2720            7.0            7.0            9.0
## 2721            7.0            6.0            9.0
## 2722            7.0            7.0            7.0
## 2723            8.0            7.0            8.0
## 2724            9.0            6.0            6.0
## 2725            7.0            7.0            7.0
## 2726            7.0            7.0            7.0
## 2727           10.0           10.0            9.0
## 2728            8.0            6.0            7.0
## 2729           10.0            9.0            8.0
## 2730            8.0            5.0            5.0
## 2731            7.0            7.0            7.0
## 2732            9.0            6.0            8.0
## 2733            7.0            7.0            7.0
## 2734            8.0            8.0            8.0
## 2735            9.0            9.0            7.0
## 2736            8.0            8.0            8.0
## 2737            7.0            7.0            7.0
## 2738            7.0            7.0            7.0
```

```
## 2739          7.0          7.0           NA
## 2740          7.0          7.0          7.0
## 2741          6.0          4.0          4.0
## 2742         10.0          8.0         10.0
## 2743          8.0          9.0          4.0
## 2744         10.0          7.0          9.0
## 2745          8.0          6.0          8.0
## 2746          9.0         10.0          9.0
## 2747         10.0         10.0          9.0
## 2748          9.0          6.0          7.0
## 2749          1.0          1.0          1.0
## 2750          7.0          3.0          7.0
## 2751          7.0          8.0          7.0
## 2752          7.0          8.0          6.0
## 2753          9.0         10.0         10.0
## 2754          7.0          9.0          7.0
## 2755          8.0          2.0          4.0
## 2756          9.0          9.0          9.0
## 2757          6.0          4.0          4.0
## 2758          4.0          6.0          5.0
## 2759          6.0          4.0          4.0
## 2760          8.0          9.0          7.0
## 2761          8.0          8.0          8.0
## 2762         10.0         10.0         10.0
## 2763         10.0          5.0          5.0
## 2764          8.0          8.0          8.0
## 2765         10.0          8.0          8.0
## 2766          9.0          9.0          9.0
## 2767         10.0          9.0          9.0
## 2768         10.0          8.0          7.0
## 2769         10.0          5.0          7.0
## 2770          5.0          5.0          5.0
## 2771         10.0         10.0         10.0
## 2772          8.0          9.0          9.0
## 2773          9.0          9.0          9.0
## 2774          9.0          9.0          9.0
## 2775          8.0          8.0          8.0
## 2776          8.0          8.0          8.0
## 2777          9.0          9.0          9.0
## 2778          9.0          7.0          8.0
## 2779          9.0          7.0          8.0
## 2780          8.0          8.0          8.0
## 2781          5.0          6.0          5.0
## 2782          8.0           NA          8.0
## 2783          7.0          8.0           NA
## 2784          9.0           NA          9.0
## 2785          5.0           NA           NA
## 2786           NA           NA           NA
## 2787          6.0          8.0           NA
## 2788          9.0          7.0          7.0
## 2789          7.0           NA          6.0
## 2790          5.0          5.0          6.0
## 2791         10.0           NA          8.0
## 2792          8.0          8.0          8.0
```

```
## 2793              8.0          NA            7.0
## 2794              8.0          NA            8.0
## 2795              7.0          5.0           NA
## 2796              8.0          NA            NA
## 2797              7.0          5.0           7.0
## 2798              8.0          NA            NA
## 2799              NA           NA            7.0
## 2801              4.0          5.0           NA
## 2802              8.0          9.0           9.0
## 2803              1.0          1.0           1.0
## 2804              9.0          1.0           NA
## 2805              NA           NA            NA
## 2806              5.0          NA            NA
## 2807             10.0          NA            9.0
## 2808              8.0          2.0           3.0
## 2809              9.0          1.0           NA
## 2810              8.0          1.0           NA
## 2811             10.0          NA            NA
## 2812             10.0          NA            8.0
## 2813              8.0         10.0           NA
## 2814              5.0          9.0           5.0
## 2815              NA           1.0           NA
## 2816              9.0          7.0           9.0
## 2817              NA          10.0           NA
## 2818              3.0          1.0           NA
## 2819              9.0          1.0           NA
## 2820              2.0          9.0           9.0
## 2821             10.0          7.0           9.0
## 2822              8.0          5.0          10.0
## 2823             10.0          7.0          10.0
## 2824              9.0          5.0           9.0
## 2825             10.0          3.0          10.0
## 2826              9.0         10.0           7.0
## 2827             10.0          6.0          10.0
## 2828             10.0          6.0          10.0
## 2829             10.0          5.0           7.0
## 2830              9.0          6.0           9.0
## 2831              9.0          5.0           9.0
## 2832              8.0          8.0           8.0
## 2833              8.0          9.0           9.0
## 2834              8.0          8.0          10.0
## 2835             10.0          6.0          10.0
## 2836              9.0          7.0          10.0
## 2837              8.0          9.0           8.0
## 2838              9.0          7.0          10.0
## 2839             10.0         10.0           9.0
## 2840              7.0          5.0           9.0
## 2841              8.0          7.0           9.0
## 2842              8.0          7.0           8.0
## 2843              8.0          7.0           8.0
## 2844             10.0          7.0          10.0
## 2845              7.0          6.0           8.0
## 2846              9.0          8.0           9.0
## 2847              7.0          6.0           6.0
```

```
## 2848              8.0         7.0           8.0
## 2849              8.0         5.0           7.0
## 2850              8.0         7.0           8.0
## 2851              8.0         7.0           7.0
## 2852              8.0         7.0           8.0
## 2853              8.0         7.0           8.0
## 2854              8.0         7.0           8.0
## 2855             10.0         6.0          10.0
## 2856              9.0         8.0           9.0
## 2857              6.0         6.0           6.0
## 2858              7.0         8.0           7.0
## 2859              7.0         6.0           6.0
## 2860              7.0         7.0           7.0
## 2861             10.0         7.0           7.0
## 2862              9.0         7.0           9.0
## 2863              9.0         7.0           7.0
## 2864              9.0         8.0          10.0
## 2865              9.0         6.0           9.0
## 2866              8.0         8.0          10.0
## 2867              7.0         7.0           7.0
## 2868             10.0         6.0           9.0
## 2869              9.0         5.0           6.0
## 2870              8.0         8.0           7.0
## 2871              8.0         7.0           6.0
## 2872              8.0         7.0           8.0
## 2873             10.0         8.0           9.0
## 2874             10.0         9.0          10.0
## 2875              9.0         7.0           7.0
## 2876             10.0         8.0          10.0
## 2877              8.0         7.0           7.0
## 2878             10.0        10.0           8.0
## 2879              7.0         7.0           7.0
## 2880              8.0         8.0           7.0
## 2881              6.0         7.0           8.0
## 2882              7.0         7.0           7.0
## 2883              8.0         7.0           9.0
## 2884              9.0         6.0           8.0
## 2885              7.0         6.0           7.0
## 2886              7.0         6.0           7.0
## 2887              6.0         7.0           6.0
## 2888              8.0         6.0           8.0
## 2889              9.0         9.0           9.0
## 2890              9.0         8.0           7.0
## 2891              8.0         8.0           6.0
## 2892              8.0         8.0           6.0
## 2893              8.0         5.0           7.0
## 2894              8.0         8.0           8.0
## 2895              8.0         7.0           8.0
## 2896              8.0         7.0           8.0
## 2897              8.0         8.0           8.0
## 2898              7.0         6.0           8.0
## 2899              9.0         8.0           8.0
## 2900              8.0         7.0           9.0
## 2901              4.0         3.0           3.0
```

```
## 2902             8.0          9.0          7.0
## 2903             5.0          3.0          3.0
## 2904             9.0          6.0          7.0
## 2905             5.0          6.0          5.0
## 2906             6.0          5.0          6.0
## 2907             7.0          8.0          6.0
## 2908             9.0          5.0          8.0
## 2909             7.0          5.0          5.0
## 2910             7.0          4.0          5.0
## 2911             7.0          7.0          6.0
## 2912             8.0          3.0          6.0
## 2913             7.0          7.0          8.0
## 2914             4.0          9.0          4.0
## 2915             5.0          7.0          7.0
## 2916             6.0          5.0          8.0
## 2917             7.0          7.0          7.0
## 2918             8.0          4.0          6.0
## 2919             7.0          7.0          8.0
## 2920             4.0          5.0          4.0
## 2921             7.0          5.0          5.0
## 2922             9.0          8.0          8.0
## 2923             9.0          7.0          7.0
## 2924             8.0          6.0          6.0
## 2925             8.0          8.0          8.0
## 2926             7.0          6.0          7.0
## 2927             8.0          8.0          8.0
## 2928             9.0          9.0          9.0
## 2929             9.0          9.0          9.0
## 2930             9.0          9.0          9.0
## 2931            10.0         10.0         10.0
## 2932             7.0          8.0          7.0
## 2933             8.0          7.0          5.0
## 2934            10.0         10.0          8.0
## 2935             9.0          9.0          9.0
## 2936             9.0          8.0          7.0
## 2937             9.0          9.0          9.0
## 2938             9.0          9.0          9.0
## 2939             9.0          9.0          9.0
## 2940             9.0          9.0          9.0
## 2941             9.0          4.0          7.0
## 2942             9.0          4.0          6.0
## 2943             8.0          5.0          4.0
## 2944             9.0          7.0          7.0
## 2945             6.0          3.0          5.0
## 2946             7.0          5.0          6.0
## 2947             7.0          5.0          7.0
## 2948             6.0          5.0          4.0
## 2949             9.0          6.0          8.0
## 2950             9.0          6.0          9.0
## 2951             7.0          7.0          7.0
## 2952             5.0          4.0          5.0
## 2953             7.0          5.0          5.0
## 2954             6.0          8.0          6.0
## 2955             8.0          9.0          8.0
```

```
## 2956                7.0            5.0              5.0
## 2957                7.0            6.0              5.0
## 2958                6.0            3.0              5.0
## 2959                8.0            8.0              6.0
## 2960                7.0            5.0              6.0
## 2961                4.0            5.0              4.0
## 2962                7.0            5.0              6.0
## 2963                4.0            3.0              6.0
## 2964                4.0            4.0              4.0
## 2965                5.0            3.0              4.0
## 2966                6.0            6.0              6.0
## 2967                7.0            6.0              6.0
## 2968                6.0            5.0              5.0
## 2969                8.0            5.0              5.0
## 2970                8.0            6.0              6.0
## 2971                5.0            6.0              6.0
## 2972                7.0            6.0              6.0
## 2973                8.0            5.0              6.0
## 2974                6.0            7.0              6.0
## 2975                6.0            8.0              7.0
## 2976                5.0            5.0              4.0
## 2977                6.0            5.0              5.0
## 2978                4.0            5.0              4.0
## 2979                6.0            6.0              6.0
## 2980                6.0            5.0              6.0
## 2981                 NA            3.0              4.0
## 2982                7.0            7.0              4.0
## 2983                7.0            5.0              5.0
## 2984                6.0            5.0              5.0
## 2985                5.0            5.0              5.0
## 2986                6.0            6.0              5.0
## 2987                7.0            7.0              7.0
## 2988                6.0            5.0              5.0
## 2989                7.0            5.0              5.0
## 2990                7.0            7.0              6.0
## 2991                8.0            6.0              7.0
## 2992                7.0            6.0              5.0
## 2993                6.0            5.0              5.0
## 2994                8.0            9.0              5.0
## 2995                7.0            7.0              6.0
## 2996                6.0            5.0              5.0
## 2997                6.0            4.0              5.0
## 2998                7.0            7.0              5.0
## 2999                8.0            8.0              6.0
## 3000                7.0            6.0              5.0
## 3001                8.0            7.0              9.0
## 3002                9.0           10.0              8.0
## 3003               10.0            9.0              9.0
## 3004                7.0            8.0              9.0
## 3005                8.0            9.0              8.0
## 3006                7.0            6.0              7.0
## 3007                9.0            8.0              9.0
## 3008               10.0           10.0             10.0
## 3009                8.0            8.0              8.0
```

```
## 3010          9.0          8.0          8.0
## 3011          8.0          8.0         10.0
## 3012         10.0         10.0         10.0
## 3013         10.0         10.0         10.0
## 3014         10.0         10.0          9.0
## 3015          9.0         10.0          9.0
## 3016          9.0          9.0          9.0
## 3017          9.0          9.0          9.0
## 3018         10.0         10.0         10.0
## 3019          9.0          9.0          8.0
## 3020          9.0          9.0          9.0
## 3021          6.0          7.0          6.0
## 3022          8.0          8.0          5.0
## 3023          5.0          4.0          3.0
## 3024          7.0          6.0          6.0
## 3025          6.0          3.0          7.0
## 3026          7.0          7.0          8.0
## 3027          7.0          7.0          6.0
## 3028          8.0          8.0          8.0
## 3029          8.0          7.0          7.0
## 3030          9.0          6.0          6.0
## 3031          6.0          6.0          7.0
## 3032          7.0          6.0          6.0
## 3033          7.0          7.0          7.0
## 3034          7.0          9.0          9.0
## 3035          7.0          8.0          8.0
## 3036          6.0          6.0          3.0
## 3037          7.0          6.0          6.0
## 3038          6.0          6.0          7.0
## 3039          8.0          8.0          8.0
## 3040          7.0          7.0          8.0
## 3041          4.0          4.0          7.0
## 3042          8.0          3.0          3.0
## 3043          5.0          3.0          4.0
## 3044          7.0          6.0          7.0
## 3045          8.0          5.0          6.0
## 3046          9.0          8.0          6.0
## 3047          4.0          6.0          8.0
## 3048          4.0          4.0          4.0
## 3049          7.0          7.0          8.0
## 3050          6.0          7.0          6.0
## 3051          2.0          2.0          8.0
## 3052          6.0          8.0          2.0
## 3053          6.0          2.0          5.0
## 3054          8.0          6.0          4.0
## 3055          7.0          8.0          2.0
## 3056          5.0          7.0          6.0
## 3057          9.0          6.0          5.0
## 3058          7.0          5.0          6.0
## 3059          6.0          8.0          5.0
## 3060          5.0          4.0          6.0
## 3061          7.0          8.0          6.0
## 3062          6.0          7.0          6.0
## 3063          6.0          2.0          8.0
```

```
## 3064              7.0           4.0           8.0
## 3065              8.0           3.0           4.0
## 3066              8.0           7.0           5.0
## 3067              8.0           8.0           7.0
## 3068              8.0           8.0           6.0
## 3069              7.0           7.0           7.0
## 3070              9.0           8.0           8.0
## 3071              8.0           8.0           7.0
## 3072              8.0           8.0           7.0
## 3073             10.0           8.0           9.0
## 3074              6.0           8.0          10.0
## 3075              8.0           8.0           7.0
## 3076              6.0           4.0           6.0
## 3077              9.0           8.0           7.0
## 3078              9.0           2.0           7.0
## 3079              8.0           8.0           7.0
## 3080              8.0           7.0           8.0
## 3081              7.0           7.0           6.0
## 3082              7.0           7.0           7.0
## 3083              5.0           5.0           5.0
## 3084              8.0          10.0           5.0
## 3085              6.0           5.0           6.0
## 3086              5.0           5.0           5.0
## 3087              6.0           7.0           6.0
## 3088              7.0           6.0           6.0
## 3089              7.0           7.0           7.0
## 3090              8.0           5.0           5.0
## 3091              3.0           1.0           3.0
## 3092              5.0           4.0           5.0
## 3093              8.0           8.0           8.0
## 3094              6.0           7.0           5.0
## 3095              5.0           5.0           5.0
## 3096              6.0           7.0           7.0
## 3097              8.0           3.0           5.0
## 3098              5.0           5.0           5.0
## 3099              6.0           6.0           5.0
## 3100              7.0           7.0           6.0
## 3101              5.0           5.0           3.0
## 3102              7.0           7.0           6.0
## 3103              5.0           3.0           2.0
## 3104              6.0           5.0           6.0
## 3105              6.0           2.0           3.0
## 3106              8.0           5.0           5.0
## 3107              8.0           6.0           9.0
## 3108              7.0           7.0           8.0
## 3109              7.0           2.0           5.0
## 3110              7.0           6.0           8.0
## 3111              7.0           8.0           7.0
## 3112              5.0           3.0           7.0
## 3113              8.0           8.0           7.0
## 3114              5.0           8.0           9.0
## 3115              9.0           9.0           9.0
## 3116              7.0           8.0           7.0
## 3117              5.0           4.0           3.0
```

```
## 3118            7.0        6.0            7.0
## 3119            5.0        7.0            5.0
## 3120            8.0        8.0            7.0
## 3121            5.0        4.0            5.0
## 3122            7.0        8.0            6.0
## 3123            7.0        4.0            6.0
## 3124            8.0        8.0            7.0
## 3125            6.0        3.0            6.0
## 3126            6.0        7.0            6.0
## 3127            8.0        7.0            7.0
## 3128            7.0        7.0            5.0
## 3129            8.0        6.0            5.0
## 3130            8.0        7.0            5.0
## 3131            5.0        7.0            6.0
## 3132            7.0        2.0            6.0
## 3133            8.0        7.0            8.0
## 3134            7.0        9.0            7.0
## 3135            8.0        8.0            7.0
## 3136            8.0        7.0            8.0
## 3137            9.0        7.0            7.0
## 3138            8.0        7.0            9.0
## 3139            8.0        8.0            7.0
## 3140            6.0        7.0            6.0
## 3141            6.0        5.0            5.0
## 3142            8.0        8.0            5.0
## 3143            7.0        6.0            5.0
## 3144            7.0        7.0            7.0
## 3145            5.0        4.0            4.0
## 3146            8.0        8.0            8.0
## 3147            8.0        7.0            8.0
## 3148            8.0        6.0            7.0
## 3149            7.0        4.0            5.0
## 3150            7.0        5.0            6.0
## 3151            5.0        5.0            5.0
## 3152            6.0        5.0            5.0
## 3153            6.0        4.0            5.0
## 3154            7.0        9.0            8.0
## 3155            8.0        8.0            8.0
## 3156            7.0        5.0            4.0
## 3157            7.0        7.0            7.0
## 3158            6.0        5.0            5.0
## 3159            8.0        6.0            6.0
## 3160            8.0        7.0            7.0
## 3161            6.0        4.0            6.0
## 3162            6.0        7.0            6.0
## 3163            6.0        4.0            5.0
## 3164            6.0        6.0            7.0
## 3165            7.0        3.0            8.0
## 3166            7.0        4.0            7.0
## 3167            7.0        4.0            5.0
## 3168            7.0        5.0            5.0
## 3169            7.0        6.0            7.0
## 3170            7.0        5.0            5.0
## 3171            5.0        5.0            4.0
```

```
## 3172           7.0           4.0           7.0
## 3173           7.0           7.0           7.0
## 3174           6.0           8.0           6.0
## 3175           6.0           8.0           6.0
## 3176           7.0           7.0           7.0
## 3177           6.0           7.0           6.0
## 3178           6.0           5.0           6.0
## 3179           7.0           7.0           6.0
## 3180           6.0           7.0           5.0
## 3181           5.0           3.0           5.0
## 3182           7.0           9.0           5.0
## 3183           8.0           2.0           1.0
## 3184           8.0           5.0           4.0
## 3185           5.0           2.0           2.0
## 3186           6.0           4.0           4.0
## 3187           6.0           6.0           6.0
## 3188           7.0           5.0           5.0
## 3189           9.0           4.0           3.0
## 3190           9.0           3.0           1.0
## 3191           8.0           5.0           8.0
## 3192           4.0           2.0           3.0
## 3193           8.0           7.0           5.0
## 3194           5.0           8.0           3.0
## 3195           7.0           5.0           6.0
## 3196           8.0           5.0           6.0
## 3197           7.0           5.0           6.0
## 3198           5.0           5.0           5.0
## 3199           7.0           4.0           4.0
## 3200           5.0           8.0           5.0
## 3201           5.0           2.0           2.0
## 3202           7.0           7.0           6.0
## 3203           8.0           5.0           5.0
## 3204           7.0           6.0           5.0
## 3205           8.0           7.0           5.0
## 3206           6.0           5.0           5.0
## 3207           6.0           4.0           7.0
## 3208           9.0           9.0           5.0
## 3209           7.0           5.0           5.0
## 3210           8.0           7.0           5.0
## 3211           8.0           7.0           7.0
## 3212           8.0           8.0           5.0
## 3213           9.0           8.0           7.0
## 3214           7.0           7.0           6.0
## 3215           7.0           8.0           7.0
## 3216           6.0           5.0           6.0
## 3217           8.0           7.0           5.0
## 3218           7.0           7.0           5.0
## 3219           6.0           6.0           6.0
## 3220           8.0           8.0           6.0
## 3221           6.0           5.0           6.0
## 3222           8.0           8.0           4.0
## 3223           7.0           6.0           6.0
## 3224           6.0           6.0           6.0
## 3225           5.0           1.0           7.0
```

```
## 3226          6.0          6.0          6.0
## 3227          7.0          8.0          6.0
## 3228          6.0          5.0          7.0
## 3229          7.0          4.0          6.0
## 3230          8.0          5.0          5.0
## 3231          6.0          7.0         10.0
## 3232          8.0          6.0          6.0
## 3233          9.0          8.0          7.0
## 3234          5.0          7.0          8.0
## 3235          7.0          9.0          6.0
## 3236          6.0          5.0          6.0
## 3237          7.0          6.0          6.0
## 3238          6.0          5.0          7.0
## 3239          7.0          6.0          7.0
## 3240          7.0          6.0          7.0
## 3241          5.0          4.0          3.0
## 3242          8.0          8.0          6.0
## 3243          6.0          5.0          5.0
## 3244          9.0         10.0          8.0
## 3245          5.0          4.0          4.0
## 3246          6.0          6.0          6.0
## 3247          9.0         10.0          9.0
## 3248          7.0          6.0          6.0
## 3249          7.0          7.0          7.0
## 3250          8.0          8.0          7.0
## 3251          6.0          7.0          6.0
## 3252          8.0          8.0          8.0
## 3253          6.0          5.0          6.0
## 3254          7.0          8.0          8.0
## 3255          8.0          8.0          8.0
## 3256          7.0          6.0          7.0
## 3257          7.0          7.0          6.0
## 3258          8.0          7.0          8.0
## 3259          9.0         10.0          8.0
## 3260          9.0          9.0          8.0
## 3261          8.0          7.0          8.0
## 3262          7.0          7.0          7.0
## 3263          7.0          7.0          7.0
## 3264          8.0          8.0          8.0
## 3265          8.0          8.0          8.0
## 3266          8.0          9.0          8.0
## 3267          7.0          7.0          8.0
## 3268          8.0          8.0          8.0
## 3269          8.0          8.0          9.0
## 3270          8.0          8.0          9.0
## 3271          8.0          8.0          8.0
## 3272          6.0          7.0          7.0
## 3273          7.0          7.0          7.0
## 3274          8.0          8.0          8.0
## 3275          8.0          8.0          8.0
## 3276          8.0          8.0          8.0
## 3277          8.0          8.0          8.0
## 3278          7.0          7.0          7.0
## 3279          8.0          8.0          8.0
```

```
## 3280            8.0          8.0          8.0
## 3281            9.0          7.0          8.0
## 3282            8.0          7.0          9.0
## 3283           10.0          6.0          6.0
## 3284            7.0          5.0          6.0
## 3285            9.0          2.0          9.0
## 3286            6.0          8.0          6.0
## 3287            7.0          8.0          9.0
## 3288            8.0          5.0          8.0
## 3289            7.0          4.0           NA
## 3290            6.0          5.0          5.0
## 3291            7.0          6.0          7.0
## 3292            8.0          4.0          8.0
## 3293            5.0          4.0          4.0
## 3294            7.0          5.0          5.0
## 3295            6.0          8.0          7.0
## 3296            5.0          2.0          5.0
## 3297            7.0          6.0          9.0
## 3298            8.0          7.0          8.0
## 3299            8.0          6.0          7.0
## 3300            7.0          9.0          9.0
## 3301            9.0          3.0          9.0
## 3302            5.0          5.0          7.0
## 3303            7.0          4.0          7.0
## 3304            6.0          8.0          9.0
## 3305            7.0          5.0          9.0
## 3306            7.0          6.0          7.0
## 3307            6.0          7.0          5.0
## 3308            4.0          2.0          1.0
## 3309            6.0          6.0          7.0
## 3310            9.0          8.0         10.0
## 3311            5.0          2.0          3.0
## 3312            8.0          6.0          8.0
## 3313            7.0          6.0          6.0
## 3314            8.0          4.0          3.0
## 3315           10.0          8.0         10.0
## 3316           10.0          5.0           NA
## 3317            9.0          8.0          9.0
## 3318            9.0          8.0          9.0
## 3319           10.0          9.0         10.0
## 3320            9.0          9.0         10.0
## 3321            8.0          5.0          7.0
## 3322            9.0          8.0          9.0
## 3323            9.0          8.0         10.0
## 3324            9.0          9.0         10.0
## 3325            8.0          6.0          7.0
## 3326            9.0          6.0          6.0
## 3327            6.0          7.0          8.0
## 3328            9.0          8.0          7.0
## 3329            7.0          7.0          5.0
## 3330            8.0          5.0          6.0
## 3331            7.0          8.0          9.0
## 3332            8.0          6.0          8.0
## 3333            9.0          7.0          8.0
```

```
## 3334          8.0          6.0          6.0
## 3335          7.0          7.0          5.0
## 3336          6.0          6.0          5.0
## 3337          6.0          5.0          6.0
## 3338          4.0          5.0          5.0
## 3339          5.0          4.0          7.0
## 3340          5.0          7.0          6.0
## 3341          6.0          5.0          7.0
## 3342          5.0          6.0          5.0
## 3343          5.0          4.0          4.0
## 3344          8.0          7.0          6.0
## 3345          8.0          6.0          7.0
## 3346         10.0          7.0          8.0
## 3347          8.0          6.0          6.0
## 3348         10.0          9.0          6.0
## 3349          8.0          9.0          7.0
## 3350          9.0          6.0         10.0
## 3351         10.0          9.0         10.0
## 3352          9.0          6.0          8.0
## 3353          7.0          3.0          2.0
## 3354          6.0          5.0          9.0
## 3355          6.0          2.0          2.0
## 3356          8.0          6.0           NA
## 3357          6.0          2.0          2.0
## 3358          6.0          7.0         10.0
## 3359           NA          6.0         10.0
## 3360          7.0          6.0          9.0
## 3361          7.0          5.0          3.0
## 3362          7.0          7.0          8.0
## 3363          8.0          8.0           NA
## 3364          8.0          5.0           NA
## 3365          7.0          8.0          7.0
## 3366          6.0          5.0          8.0
## 3367          7.0          6.0          9.0
## 3368          7.0          9.0          9.0
## 3369          6.0          8.0           NA
## 3370          8.0          8.0          7.0
## 3371          9.0          8.0          9.0
## 3372          7.0          8.0          8.0
## 3373          7.0          2.0          2.0
## 3374          8.0          4.0          3.0
## 3375          8.0          8.0          9.0
## 3376          9.0          3.0          6.0
## 3377          8.0         10.0          9.0
## 3378          9.0          9.0          9.0
## 3379          7.0          5.0          3.0
## 3380          6.0          6.0           NA
## 3381          6.0          5.0          4.0
## 3382          8.0          6.0          6.0
## 3383          6.0          6.0           NA
## 3384          6.0          6.0          6.0
## 3385          8.0          6.0          5.0
## 3386          8.0          7.0          7.0
## 3387          7.0          7.0          6.0
```

```
## 3388                    8.0            7.0            7.0
## 3389                    7.0             NA             NA
## 3390                    5.0            5.0             NA
## 3391                     NA            2.0             NA
## 3392                    7.0            4.0             NA
## 3393                    7.0             NA             NA
## 3394                    6.0            5.0             NA
## 3395                    7.0            7.0            5.0
## 3396                    6.0            7.0             NA
## 3397                    7.0            7.0            5.0
## 3398                    5.0            5.0            4.0
## 3399                    7.0            7.0            2.0
## 3400                    5.0            3.0            7.0
## 3401                    8.0            5.0            6.0
## 3402                    7.0            6.0            5.0
## 3403                    6.0            5.0            4.0
## 3404                    4.0            8.0            3.0
## 3405                    5.0            5.0            4.0
## 3406                    6.0            6.0            3.0
## 3407                    8.0            6.0            7.0
## 3408                    6.0            8.0            6.0
## 3409                    9.0            6.0            7.0
## 3410                    7.0            6.0            6.0
## 3411                    7.0            7.0            6.0
## 3412                    8.0            6.0            3.0
## 3413                    7.0            8.0            7.0
## 3414                    7.0            8.0            7.0
## 3415                    7.0            6.0            6.0
## 3416                    8.0            9.0            7.0
## 3417                    9.0            9.0            6.0
## 3418                    9.0            6.0            7.0
## 3419                    8.0            7.0            8.0
## 3420                    8.0            9.0            8.0
## 3421                    6.0            5.0            5.0
## 3422                    8.0           10.0            9.0
## 3423                    7.0            9.0            9.0
## 3424                    9.0            9.0            7.0
## 3425                    6.0            7.0            7.0
## 3426                    7.0            9.0            7.0
## 3427                    5.0            4.0            4.0
## 3428                    8.0            7.0            7.0
## 3429                    8.0            9.0            7.0
## 3430                    7.0            6.0            6.0
## 3431                    7.0            8.0            9.0
## 3432                    8.0            8.0            8.0
## 3433                    7.0            8.0            7.0
## 3434                    8.0            6.0            9.0
## 3435                    8.0            8.0            8.0
## 3436                    7.0            3.0            8.0
## 3437                    8.0            6.0             NA
## 3438                    7.0            4.0            8.0
## 3439                    8.0            6.0            6.0
## 3440                    7.0            5.0            8.0
## 3441                    7.0            6.0            7.0
```

```
## 3442          8.0          8.0          8.0
## 3443          7.0          6.0          5.0
## 3444          6.0          6.0          6.0
## 3445          9.0          4.0          9.0
## 3446          5.0          5.0          5.0
## 3447          1.0          1.0          9.0
## 3448          8.0          1.0          8.0
## 3449          5.0          1.0          8.0
## 3450          8.0          1.0          3.0
## 3451          8.0          6.0          6.0
## 3452          5.0          7.0          5.0
## 3453          5.0          1.0          1.0
## 3454          4.0          1.0          7.0
## 3455          6.0          1.0          5.0
## 3456          3.0          2.0          4.0
## 3457          3.0          1.0          5.0
## 3458          5.0          1.0          6.0
## 3459          6.0          7.0          6.0
## 3460          7.0          1.0          7.0
## 3461          9.0          2.0          9.0
## 3462          8.0          1.0          8.0
## 3463          8.0          3.0          8.0
## 3464          7.0          6.0          7.0
## 3465          7.0          7.0          7.0
## 3466          7.0          5.0          6.0
## 3467          7.0          6.0          7.0
## 3468          8.0          8.0          7.0
## 3469          6.0          5.0          7.0
## 3470          7.0          7.0          8.0
## 3471          7.0          4.0          5.0
## 3472          7.0          7.0          6.0
## 3473          7.0          7.0          7.0
## 3474          8.0          5.0          6.0
## 3475          7.0          7.0          7.0
## 3476          8.0          6.0          7.0
## 3477          6.0          6.0          7.0
## 3478          6.0          5.0          5.0
## 3479          6.0          5.0          6.0
## 3480          7.0          7.0          7.0
## 3481          7.0          5.0          7.0
## 3482          7.0          6.0          8.0
## 3483          6.0          6.0          7.0
## 3484          6.0          6.0          6.0
## 3485          6.0          2.0          5.0
## 3486          3.0          3.0          4.0
## 3487          6.0          5.0          4.0
## 3488          6.0          5.0          5.0
## 3489          8.0          7.0          5.0
## 3490          5.0          2.0          5.0
## 3491          8.0          6.0          8.0
## 3492          7.0          3.0          6.0
## 3493          4.0          2.0          4.0
## 3494          5.0          7.0          5.0
## 3495          6.0          5.0          5.0
```

```
## 3496            5.0           3.0            3.0
## 3497            5.0           3.0            5.0
## 3498            7.0           3.0            5.0
## 3499            6.0           3.0            3.0
## 3500            8.0           6.0            8.0
## 3501            6.0           8.0            5.0
## 3502            3.0           2.0            3.0
## 3503            9.0           8.0            9.0
## 3504            5.0           5.0            7.0
## 3505            5.0           5.0            6.0
## 3506            6.0           6.0            6.0
## 3507            6.0           6.0            6.0
## 3508            7.0           6.0            7.0
## 3509            6.0           6.0            6.0
## 3510            6.0           6.0            6.0
## 3511            5.0           5.0            5.0
## 3512            6.0           6.0            6.0
## 3513            7.0           6.0            7.0
## 3514            7.0           6.0            7.0
## 3515            7.0           7.0            7.0
## 3516            7.0           6.0            7.0
## 3517            7.0           6.0            7.0
## 3518            5.0           5.0            5.0
## 3519            7.0           5.0            7.0
## 3520            5.0           5.0            5.0
## 3521            6.0           6.0            6.0
## 3522            7.0           7.0            6.0
## 3523            6.0           6.0            6.0
## 3524            7.0           7.0            7.0
## 3525            7.0           6.0            6.0
## 3526            6.0           6.0            6.0
## 3527            6.0           5.0            5.0
## 3528            6.0           5.0            6.0
## 3529            7.0           4.0            6.0
## 3530            6.0           7.0            6.0
## 3531            6.0           6.0            7.0
## 3532            7.0           4.0            6.0
## 3533            7.0           6.0            7.0
## 3534            7.0           6.0            5.0
## 3535            7.0           5.0            6.0
## 3536            6.0           7.0            6.0
## 3537            6.0           4.0            5.0
## 3538            7.0           7.0            7.0
## 3539            7.0           6.0            7.0
## 3540            7.0           6.0            5.0
## 3541            5.0           3.0            5.0
## 3542            7.0           6.0            5.0
## 3543            6.0           7.0            5.0
## 3544            6.0           6.0            5.0
## 3545            7.0           4.0            6.0
## 3546            7.0           7.0            6.0
## 3547            7.0           4.0            7.0
## 3548            8.0           6.0            8.0
## 3549            7.0           7.0            7.0
```

```
## 3550          6.0          6.0          6.0
## 3551          6.0          6.0          6.0
## 3552          6.0          6.0          6.0
## 3553          8.0          5.0          8.0
## 3554          7.0          7.0          7.0
## 3555          6.0          5.0          5.0
## 3556          6.0          4.0          6.0
## 3557          7.0          7.0          7.0
## 3558          9.0          6.0          9.0
## 3559          8.0          8.0          7.0
## 3560          7.0          7.0          7.0
## 3561          6.0          5.0          7.0
## 3562          6.0          3.0          7.0
## 3563          6.0          6.0          7.0
## 3564          7.0          9.0          9.0
## 3565          8.0          7.0          7.0
## 3566          9.0          8.0         10.0
## 3567          7.0          7.0          6.0
## 3568          5.0          5.0          5.0
## 3569          9.0          4.0          4.0
## 3570          5.0          2.0          5.0
## 3571          7.0          5.0          4.0
## 3572         10.0          6.0          3.0
## 3573         10.0          5.0          4.0
## 3574          6.0          5.0          9.0
## 3575         10.0          8.0          7.0
## 3576          8.0          7.0           NA
## 3577         10.0          2.0          3.0
## 3578          9.0          8.0          6.0
## 3579          8.0          6.0          7.0
## 3580          9.0          9.0          4.0
## 3581         10.0          3.0          3.0
## 3582          8.0          2.0          3.0
## 3583          7.0          3.0          6.0
## 3584          9.0          4.0          6.0
## 3585          8.0         10.0           NA
## 3586          9.0          6.0          7.0
## 3587          9.0          2.0          4.0
## 3588          9.0          9.0          8.0
## 3589          9.0          3.0          6.0
## 3590          9.0          6.0          7.0
## 3591          7.0          5.0          5.0
## 3592          8.0          5.0          8.0
## 3593          8.0          8.0          5.0
## 3594         10.0         10.0          7.0
## 3595          8.0          6.0          5.0
## 3596          8.0          4.0          5.0
## 3597          8.0          5.0          5.0
## 3598          8.0          5.0          7.0
## 3599          8.0          8.0          6.0
## 3600          9.0          5.0          7.0
## 3601          9.0          8.0           NA
## 3602          8.0          4.0          7.0
## 3603          8.0          4.0          8.0
```

```
## 3604          7.0          4.0          8.0
## 3605          7.0          6.0          6.0
## 3606          7.0          7.0          7.0
## 3607          9.0          7.0          4.0
## 3608          8.0          6.0          7.0
## 3609          8.0          6.0          8.0
## 3610          7.0          6.0          8.0
## 3611          8.0          5.0          8.0
## 3612          6.0          8.0          7.0
## 3613          7.0          6.0          7.0
## 3614          8.0          7.0          8.0
## 3615         10.0         10.0          8.0
## 3616          7.0          7.0          5.0
## 3617          8.0          9.0          8.0
## 3618          9.0          8.0          8.0
## 3619          7.0          4.0          6.0
## 3620          6.0          8.0          7.0
## 3621          5.0          5.0          6.0
## 3622          8.0          8.0          7.0
## 3623          7.0          7.0          6.0
## 3624          7.0          5.0          5.0
## 3625          6.0          7.0         10.0
## 3626          8.0          7.0          7.0
## 3627          8.0          9.0          9.0
## 3628         10.0          6.0          8.0
## 3629          9.0          7.0         10.0
## 3630          8.0          8.0          9.0
## 3631          8.0          8.0          9.0
## 3632          8.0          6.0          5.0
## 3633          7.0          6.0          6.0
## 3634          8.0          8.0          7.0
## 3635          9.0          8.0          7.0
## 3636          8.0          8.0          7.0
## 3637          7.0          6.0          6.0
## 3638          8.0          8.0          8.0
## 3639          8.0          7.0          8.0
## 3640          9.0          6.0          6.0
## 3641          8.0          8.0          8.0
## 3642          7.0          5.0          7.0
## 3643          6.0          5.0          4.0
## 3644          7.0          5.0          6.0
## 3645          6.0          5.0          5.0
## 3646          6.0          5.0          6.0
## 3647          7.0          8.0          7.0
## 3648          7.0          9.0          8.0
## 3649          7.0          6.0          6.0
## 3650          8.0          7.0          8.0
## 3651          6.0          8.0          8.0
## 3652          7.0          6.0          5.0
## 3653          9.0          9.0          8.0
## 3654          8.0          7.0          8.0
## 3655          8.0          5.0          8.0
## 3656          8.0          8.0          7.0
## 3657          8.0          7.0          6.0
```

```
## 3658          8.0          8.0          8.0
## 3659          8.0          7.0          6.0
## 3660          9.0          7.0          6.0
## 3661          8.0          7.0          6.0
## 3662          7.0          7.0          7.0
## 3663          7.0          7.0          7.0
## 3664          8.0          6.0          7.0
## 3665          8.0          8.0          6.0
## 3666          8.0          7.0          6.0
## 3667          8.0          6.0          9.0
## 3668          7.0          8.0          6.0
## 3669          9.0          8.0          8.0
## 3670          7.0          6.0          7.0
## 3671          8.0          7.0          8.0
## 3672          9.0          6.0          6.0
## 3673          8.0          8.0          8.0
## 3674         10.0          9.0         10.0
## 3675          8.0          7.0          8.0
## 3676          9.0          7.0          7.0
## 3677          7.0          7.0          7.0
## 3678          8.0          8.0          8.0
## 3679          7.0          7.0          7.0
## 3680          8.0          9.0          7.0
## 3681          9.0          9.0          7.0
## 3682          9.0          6.0          7.0
## 3683          9.0          9.0          9.0
## 3684          9.0          9.0          9.0
## 3685          9.0          6.0          8.0
## 3686          8.0          7.0          8.0
## 3687         10.0          9.0         10.0
## 3689          9.0          7.0          7.0
## 3690          9.0         10.0          8.0
## 3691          9.0          9.0          8.0
## 3692         10.0          8.0         10.0
## 3693          9.0         10.0         10.0
## 3694          9.0          4.0         10.0
## 3695          6.0          5.0          6.0
## 3696          8.0          8.0          7.0
## 3697          7.0          5.0          8.0
## 3698          7.0          6.0          6.0
## 3699          7.0          7.0          6.0
## 3700          7.0          7.0          7.0
## 3701          8.0          8.0          7.0
## 3702          8.0          7.0          5.0
## 3703          6.0          3.0          6.0
## 3704          7.0          5.0          5.0
## 3705          8.0          8.0          6.0
## 3706          8.0          6.0          6.0
## 3707          6.0          2.0          6.0
## 3708          7.0          7.0          5.0
## 3709          6.0          4.0          6.0
## 3710          7.0          7.0          7.0
## 3711          8.0          8.0          7.0
## 3712          7.0          7.0          7.0
```

```
## 3713              6.0         3.0           6.0
## 3714              6.0         7.0           6.0
## 3715              6.0         4.0           6.0
## 3716              6.0         4.0           4.0
## 3717              6.0         4.0           4.0
## 3718             10.0         5.0           6.0
## 3719              8.0         4.0           6.0
## 3720              6.0         5.0           6.0
## 3721              6.0         5.0           5.0
## 3722              5.0         5.0           6.0
## 3723             10.0         5.0           8.0
## 3724              9.0         3.0           6.0
## 3725              8.0         8.0           6.0
## 3727              8.0         4.0           6.0
## 3728              8.0         2.0           5.0
## 3729              8.0         4.0           8.0
## 3730              9.0         5.0           6.0
## 3731              7.0         6.0           7.0
## 3732              6.0         6.0           6.0
## 3733              8.0         3.0           6.0
## 3734              7.0         6.0           7.0
## 3735              8.0         4.0           7.0
## 3736              8.0         4.0           8.0
## 3737              9.0         4.0           8.0
## 3738              6.0         4.0           4.0
## 3739              5.0         3.0           7.0
## 3740              7.0         5.0           4.0
## 3741              6.0         4.0           3.0
## 3742              9.0         3.0           5.0
## 3743              9.0         6.0           5.0
## 3744              8.0         3.0            NA
## 3745              9.0         3.0            NA
## 3746              6.0         5.0           4.0
## 3747              7.0        10.0           5.0
## 3748              7.0         8.0           5.0
## 3749              7.0         2.0           6.0
## 3750              5.0         3.0            NA
## 3751              7.0         0.0           4.0
## 3752              8.0         7.0           5.0
## 3753              8.0         7.0           5.0
## 3754              8.0         2.0           4.0
## 3755              9.0         9.0           9.0
## 3756              8.0         6.0           4.0
## 3757              4.0         5.0           6.0
## 3758              6.0         5.0           5.0
## 3759              5.0         5.0           5.0
## 3760              7.0         4.0           7.0
## 3761              6.0         6.0           7.0
## 3762              5.0         5.0           6.0
## 3763              5.0         5.0           5.0
## 3764              5.0         5.0           5.0
## 3765              7.0         4.0           7.0
## 3766              7.0         3.0           4.0
## 3767              6.0         6.0           7.0
```

```
## 3768                 7.0          5.0              5.0
## 3769                 6.0          6.0              7.0
## 3770                 6.0          6.0              5.0
## 3771                 7.0          6.0              7.0
## 3772                 7.0          4.0              6.0
## 3773                 6.0          6.0              7.0
## 3774                 5.0          6.0              6.0
## 3775                 7.0          4.0              6.0
## 3776                 7.0          6.0              7.0
## 3777                 6.0          7.0              7.0
## 3778                 6.0          5.0              6.0
## 3779                 9.0          8.0               NA
## 3780                 7.0          8.0              8.0
## 3781                 7.0          6.0               NA
## 3782                 9.0          7.0              8.0
## 3783                 9.0          6.0               NA
## 3784                 8.0          7.0              9.0
## 3785                 9.0          8.0              9.0
## 3786                 8.0          7.0              7.0
## 3787                 7.0          5.0              5.0
## 3788                 6.0          7.0               NA
## 3789                 8.0          6.0              5.0
## 3790                 7.0          6.0              8.0
## 3791                 8.0          5.0              8.0
## 3792                 6.0          6.0              6.0
## 3793                 6.0          4.0              7.0
## 3794                 7.0          7.0               NA
## 3795                 9.0          6.0              8.0
## 3796                 9.0          8.0              8.0
## 3797                 9.0          7.0              9.0
## 3798                 9.0          8.0              8.0
## 3799                 9.0          6.0              9.0
## 3800                 8.0          6.0              9.0
## 3801                 7.0          7.0              6.0
## 3802                 8.0          4.0             10.0
## 3803                 9.0          6.0              8.0
## 3804                 7.0          6.0              7.0
## 3805                 9.0          6.0              8.0
## 3806                 8.0          6.0             10.0
## 3807                 9.0          8.0              8.0
## 3808                10.0          5.0             10.0
## 3809                 5.0          7.0              6.0
## 3810                 7.0          6.0              9.0
## 3811                 8.0          7.0              7.0
## 3812                 8.0          6.0             10.0
## 3813                 9.0          6.0              7.0
## 3814                 8.0          8.0              9.0
## 3815                 8.0          7.0              8.0
## 3816                 8.0          7.0              7.0
## 3817                 8.0          5.0              8.0
## 3818                 9.0          8.0              9.0
## 3819                 7.0          9.0              7.0
## 3820                 7.0          7.0              7.0
## 3821                 6.0          4.0              5.0
```

```
## 3822              5.0          5.0              5.0
## 3823              7.0          5.0              6.0
## 3824              8.0          7.0              6.0
## 3825              7.0          6.0              7.0
## 3826              5.0          4.0              5.0
## 3827              6.0          5.0              5.0
## 3828              8.0          7.0              6.0
## 3829              7.0          5.0              5.0
## 3830              6.0          7.0              5.0
## 3831              7.0          5.0              6.0
## 3832              7.0          6.0              5.0
## 3833              5.0          4.0              5.0
## 3834              6.0          4.0              6.0
## 3835              5.0          5.0              6.0
## 3836              7.0          6.0              5.0
## 3837              6.0          4.0              6.0
## 3838              7.0          4.0              6.0
## 3839              8.0          5.0              7.0
## 3840              7.0          6.0              6.0
## 3841              5.0          5.0              6.0
## 3842              7.0          5.0              5.0
## 3843              4.0          5.0              5.0
## 3844              5.0          5.0              4.0
## 3845              7.0          4.0              4.0
## 3846              7.0          5.0              6.0
## 3847              6.0          4.0              4.0
## 3848              7.0          6.0              6.0
## 3849              8.0          4.0              4.0
## 3850              6.0          3.0              4.0
## 3851              7.0          7.0              5.0
## 3852              5.0          4.0              5.0
## 3853              4.0          3.0              4.0
## 3854              6.0          4.0              5.0
## 3855              6.0          4.0              5.0
## 3856              4.0          4.0              4.0
## 3857              6.0          6.0              5.0
## 3858              7.0          7.0              5.0
## 3859              7.0          6.0              6.0
## 3860              6.0          6.0              5.0
## 3861              7.0          6.0              6.0
## 3862              6.0          7.0              7.0
## 3863              7.0          6.0              7.0
## 3864              7.0          8.0              9.0
## 3865              8.0          7.0              7.0
## 3866              9.0          7.0              8.0
## 3867              8.0          7.0              8.0
## 3868             10.0          6.0             10.0
## 3869              8.0          8.0              7.0
## 3870              8.0          1.0              6.0
## 3871              9.0          7.0              9.0
## 3872              9.0          8.0              8.0
## 3873              7.0          6.0              7.0
## 3874              6.0          5.0              6.0
## 3875              7.0          4.0              7.0
```

```
## 3876              8.0          7.0           6.0
## 3877              6.0          5.0           4.0
## 3878              8.0          7.0          10.0
## 3879              7.0          6.0           5.0
## 3880              9.0          7.0           8.0
## 3881             10.0          6.0          10.0
## 3882              8.0          7.0           8.0
## 3883              6.0          6.0           6.0
## 3884              8.0          7.0           6.0
## 3885              8.0          5.0           7.0
## 3886              9.0          7.0           8.0
## 3887              5.0          8.0           4.0
## 3888              8.0          5.0           5.0
## 3889              7.0          5.0           8.0
## 3890              8.0          8.0           8.0
## 3891              8.0          6.0           8.0
## 3892              8.0          7.0           8.0
## 3893              7.0          5.0           5.0
## 3894              9.0          9.0           8.0
## 3895              8.0          9.0           7.0
## 3896              5.0          5.0           7.0
## 3897              9.0          4.0           8.0
## 3898              9.0          7.0           7.0
## 3899              5.0          6.0           5.0
## 3900              9.0          6.0           9.0
## 3901              8.0          5.0           6.0
## 3902              7.0          5.0           7.0
## 3903              5.0          6.0           4.0
## 3904              7.0          7.0           6.0
## 3905              8.0          9.0           8.0
## 3906              8.0          7.0           7.0
## 3907             10.0          6.0           9.0
## 3908              6.0          4.0           6.0
## 3909              8.0          5.0           9.0
## 3910              8.0          8.0           8.0
## 3911              5.0          6.0           7.0
## 3912              8.0          5.0           6.0
## 3913              8.0          6.0          10.0
## 3914              6.0          5.0           4.0
## 3915              7.0          6.0           2.0
## 3916              9.0          9.0           8.0
## 3917              8.0          8.0           9.0
## 3918              2.0          0.0           4.0
## 3919              8.0          8.0           7.0
## 3920              3.0          2.0           4.0
## 3921              9.0          8.0          10.0
## 3922              8.0          7.0           6.0
## 3923              7.0          4.0           5.0
## 3924              4.0          6.0           5.0
## 3925              8.0          7.0           8.0
## 3926              8.0          6.0           6.0
## 3927              7.0          5.0           6.0
## 3928              6.0          6.0           5.0
## 3929              6.0          5.0           5.0
```

```
## 3930              7.0         6.0          5.0
## 3931              7.0         5.0          6.0
## 3932              6.0         5.0          6.0
## 3934              8.0         5.0          7.0
## 3935              7.0         5.0          6.0
## 3936              8.0         5.0          8.0
## 3937              7.0         5.0          7.0
## 3938              7.0         7.0          5.0
## 3939              7.0         4.0          5.0
## 3940              8.0         6.0          6.0
## 3941              7.0         5.0          6.0
## 3942              8.0         7.0          8.0
## 3943              7.0         5.0          7.0
## 3944              8.0         6.0          7.0
## 3945              6.0         6.0          6.0
## 3946              6.0         6.0          7.0
## 3947              8.0         7.0          9.0
## 3948              7.0         2.0          6.0
## 3949             10.0         3.0          6.0
## 3950              5.0         5.0          4.0
## 3951              9.0         7.0          8.0
## 3952              4.0         5.0          3.0
## 3953              9.0         8.0          8.0
## 3954             10.0        10.0         10.0
## 3955              8.0         7.0          5.0
## 3956              9.0         7.0          5.0
## 3957              7.0         3.0          6.0
## 3958              7.0         8.0          7.0
## 3959              6.0         8.0          5.0
## 3960              6.0         2.0          3.0
## 3961              6.0         5.0          4.0
## 3962              3.0         5.0          3.0
## 3963              8.0         8.0          7.0
## 3964              8.0         9.0          7.0
## 3965              8.0         7.0          5.0
## 3966              4.0         9.0          8.0
## 3967              5.0         6.0          8.0
## 3968              7.0         6.0           NA
## 3969              7.0         5.0          6.0
## 3970              7.0         6.0           NA
## 3971              6.0         4.0          5.0
## 3972              7.0         7.0           NA
## 3973              6.0         6.0           NA
## 3974              8.0         8.0           NA
## 3975              8.0         9.0           NA
## 3976              8.0         8.0           NA
## 3977              7.0         7.0           NA
## 3978              5.0         5.0           NA
## 3979              7.0         8.0           NA
## 3980              7.0         7.0           NA
## 3981              7.0         5.0          9.0
## 3982              7.0         7.0           NA
## 3983              7.0         7.0          8.0
## 3984              8.0         8.0          8.0
```

```
## 3985                 7.0            8.0                NA
## 3986                 8.0            7.0                NA
## 3987                 6.0            8.0                NA
## 3988                 6.0            6.0                NA
## 3989                 8.0            7.0               8.0
## 3990                 7.0            5.0               8.0
## 3991                 8.0            7.0               8.0
## 3992                 5.0            5.0               5.0
## 3993                 8.0            7.0               8.0
## 3994                 5.0            5.0               5.0
## 3995                 7.0            7.0               7.0
## 3996                 5.0            3.0               5.0
## 3997                 5.0            3.0               5.0
## 3998                 6.0            5.0               5.0
## 3999                 6.0            7.0               7.0
## 4000                 8.0            8.0               8.0
## 4001                 7.0            5.0               5.0
## 4002                 7.0            5.0               5.0
## 4003                 8.0            8.0               8.0
## 4004                 6.0            5.0               5.0
## 4005                 7.0            7.0               7.0
## 4006                 8.0            7.0               9.0
## 4007                 6.0            7.0               8.0
## 4008                 7.0            5.0               8.0
## 4009                 7.0            4.0               5.0
## 4010                 9.0           10.0               8.0
## 4011                 7.0            4.0               6.0
## 4012                 8.0            7.0               8.0
## 4013                 7.0            3.0               6.0
## 4014                 8.0            6.0               9.0
## 4015                 7.0            7.0               5.0
## 4016                 8.0            7.0               5.0
## 4017                 6.0            3.0               4.0
## 4018                 8.0            8.0               7.0
## 4019                10.0            9.0               7.0
## 4020                 9.0            3.0               7.0
## 4021                 8.0            9.0               6.0
## 4022                 9.0            7.0               6.0
## 4023                 9.0            3.0               4.0
## 4024                 8.0            7.0               7.0
## 4025                 8.0            4.0               5.0
## 4026                 9.0            8.0               9.0
## 4027                 9.0            8.0               9.0
## 4028                 9.0            8.0               7.0
## 4029                 6.0            4.0               6.0
## 4030                 5.0            7.0               6.0
## 4031                 7.0            7.0               8.0
## 4032                 7.0            3.0               7.0
## 4033                 8.0            6.0               6.0
## 4034                 8.0            5.0               6.0
## 4035                 8.0            7.0               7.0
## 4036                 6.0            6.0               5.0
## 4037                 8.0            9.0               6.0
## 4038                 9.0            7.0               8.0
```

```
## 4039                    8.0           7.0              8.0
## 4040                    8.0           7.0              7.0
## 4041                    7.0           5.0              7.0
## 4042                    8.0           8.0              7.0
## 4043                    7.0           8.0              7.0
## 4044                    8.0           3.0              8.0
## 4045                    7.0           8.0              5.0
## 4046                    5.0           5.0              5.0
## 4047                    7.0           7.0              7.0
## 4048                    8.0           8.0              7.0
## 4049                    8.0           8.0              7.0
## 4050                    6.0           5.0              4.0
## 4051                    6.0           6.0              7.0
## 4052                    8.0           8.0              5.0
## 4053                    8.0           4.0              5.0
## 4054                    7.0           6.0              5.0
## 4055                    4.0           3.0              5.0
## 4056                    7.0           3.0             10.0
## 4057                    5.0           5.0              6.0
## 4058                    6.0           6.0              7.0
## 4059                    7.0           4.0              9.0
## 4060                    9.0           5.0              9.0
## 4061                    9.0           3.0              5.0
## 4062                    7.0           5.0              3.0
## 4063                    9.0           7.0              8.0
## 4064                    6.0           3.0              3.0
## 4065                    8.0           5.0              3.0
## 4066                   10.0           8.0              7.0
## 4067                    6.0           7.0              8.0
## 4068                    8.0           8.0             10.0
## 4069                   10.0           7.0              7.0
## 4070                   10.0           6.0              9.0
## 4071                    7.0           4.0              6.0
## 4072                    3.0           6.0              5.0
## 4073                    7.0           7.0              8.0
## 4074                    9.0           6.0               NA
## 4075                    7.0           7.0              7.0
## 4076                    7.0           5.0              5.0
## 4077                    7.0           7.0              7.0
## 4078                    8.0           8.0              8.0
## 4079                    8.0           8.0              8.0
## 4080                    7.0           7.0              7.0
## 4081                    9.0           9.0              9.0
## 4082                    7.0           7.0              7.0
## 4083                    7.0           7.0              7.0
## 4084                    8.0           8.0              8.0
## 4085                    7.0           7.0              7.0
## 4086                    7.0           0.0              7.0
## 4087                    7.0           7.0              7.0
## 4088                    8.0           8.0               NA
## 4089                    9.0           9.0              9.0
## 4090                    8.0           8.0               NA
## 4091                    9.0           9.0              9.0
## 4092                    8.0           8.0              8.0
```

```
## 4093        8.0        8.0        7.0
## 4094        9.0        9.0        9.0
## 4095        3.0        6.0        6.0
## 4096       10.0       10.0       10.0
## 4097        9.0        9.0        9.0
## 4098        9.0        9.0        9.0
## 4099       10.0       10.0       10.0
## 4100        9.0        9.0        9.0
## 4101        9.0        9.0        9.0
## 4102        7.0        7.0        7.0
## 4103        6.0        6.0        6.0
## 4104       10.0       10.0       10.0
## 4105        1.0        1.0        1.0
## 4106       10.0       10.0       10.0
## 4107       10.0       10.0       10.0
## 4108       10.0       10.0       10.0
## 4109        5.0        5.0        5.0
## 4110       10.0       10.0       10.0
## 4111        9.0        9.0        9.0
## 4112        9.0        5.0        9.0
## 4113        9.0        9.0        9.0
## 4114       10.0       10.0       10.0
## 4115         NA        7.0         NA
## 4116         NA        3.0         NA
## 4117         NA        4.0        7.0
## 4118         NA        8.0         NA
## 4119         NA        6.0        6.0
## 4120         NA        8.0         NA
## 4121        7.0        9.0         NA
## 4122        6.0        4.0         NA
## 4123         NA        6.0         NA
## 4124        8.0        5.0        6.0
## 4125         NA        6.0         NA
## 4126         NA        6.0         NA
## 4127         NA        4.0         NA
## 4128         NA        3.0        3.0
## 4129         NA        7.0         NA
## 4130         NA        6.0         NA
## 4131         NA        6.0         NA
## 4132         NA        6.0         NA
## 4133         NA        6.0         NA
## 4134         NA        5.0         NA
## 4135         NA        6.0         NA
## 4136        5.0        5.0        4.0
## 4137        5.0        4.0        4.0
## 4138        8.0        8.0        8.0
## 4139        3.0        3.0        3.0
## 4140        6.0        6.0        6.0
## 4141        8.0        8.0        8.0
## 4142        7.0        7.0        7.0
## 4143        9.0        9.0        9.0
## 4144        6.0        6.0        6.0
## 4145        6.0        6.0        6.0
## 4146        7.0        7.0        7.0
```

```
## 4147              6.0           6.0           6.0
## 4148              7.0           7.0           7.0
## 4149              7.0           7.0           7.0
## 4150              7.5           7.5           7.5
## 4151              6.0           6.0           6.0
## 4152              8.5           8.5           8.5
## 4153              8.0           8.0           8.0
## 4154              6.0           6.0           6.0
## 4155              6.0           6.0           6.0
## 4156              8.0           8.0           8.0
## 4157              8.0           7.0           9.0
## 4158               NA            NA            NA
## 4159              9.0            NA           8.0
## 4160              7.0            NA           8.0
## 4161              7.0           7.0            NA
## 4162              8.0            NA            NA
## 4163              8.0            NA            NA
## 4164              8.0            NA           7.0
## 4165              8.0            NA            NA
## 4166              8.0            NA            NA
## 4167              9.0           7.0            NA
## 4168              8.0           7.0           5.0
## 4169              8.0            NA            NA
## 4170              9.0            NA            NA
## 4171              8.0            NA            NA
## 4172              7.0            NA            NA
## 4173              8.0            NA            NA
## 4174              7.0           7.0           9.0
## 4175              9.0           8.0           8.0
## 4176              8.0           7.0            NA
## 4177              9.0           8.0           9.0
## 4178              7.0           7.0           6.0
## 4179              6.0           4.0           4.0
## 4180              7.0           8.0           7.0
## 4181              5.0           5.0           6.0
## 4182              6.0           6.0           5.0
## 4183              7.0           6.0           6.0
## 4184              5.0           4.0           4.0
## 4185              6.0           6.0           6.0
## 4186              8.0           6.0           6.0
## 4187              5.0           4.0           5.0
## 4188              6.0           6.0           5.0
## 4189              8.0           8.0           6.0
## 4190              8.0           8.0           7.0
## 4191              7.0           5.0           5.0
## 4192              7.0           7.0           6.0
## 4193              9.0           9.0           6.0
## 4194              9.0           9.0           7.0
## 4195              8.0           8.0           8.0
## 4196              7.0           7.0           5.0
## 4197              8.0           9.0           6.0
## 4198              9.0           8.0           7.0
## 4199              5.0           8.0           5.0
## 4200              6.0           4.0           4.0
```

```
## 4201                 7.0         5.0             5.0
## 4202                 3.0         4.0             5.0
## 4203                 6.0         6.0             5.0
## 4204                 6.0         5.0             6.0
## 4205                 5.0         5.0             5.0
## 4206                 5.0         5.0             6.0
## 4207                 5.0         4.0             5.0
## 4208                 6.0         5.0             6.0
## 4209                 7.0         6.0             5.0
## 4210                 7.0         7.0             6.0
## 4211                 5.0         3.0             3.0
## 4212                 5.0         3.0             5.0
## 4213                 7.0         6.0             5.0
## 4214                 3.0         3.0             3.0
## 4215                 6.0         5.0             5.0
## 4216                 7.0         6.0             5.0
## 4217                 5.0         6.0             5.0
## 4218                 3.0         3.0             3.0
## 4219                 4.0         4.0             4.0
## 4220                 6.0         5.0             7.0
## 4221                 6.0         2.0             6.0
## 4222                 8.0         7.0             6.0
## 4223                 7.0         4.0             7.0
## 4224                 8.0         8.0             7.0
## 4225                 6.0         6.0             6.0
## 4226                 7.0         2.0             7.0
## 4227                 7.0         5.0             5.0
## 4228                 4.0         2.0             5.0
## 4229                 6.0         2.0             7.0
## 4230                 9.0         7.0             6.0
## 4231                 8.0         8.0             5.0
## 4232                 5.0         5.0             6.0
## 4233                 5.0         3.0             3.0
## 4234                 8.0         8.0             3.0
## 4235                 5.0         5.0             6.0
## 4236                 8.0         6.0             5.0
## 4237                10.0         9.0             8.0
## 4238                 7.0         5.0             5.0
## 4239                 4.0         3.0             2.0
## 4240                 4.0         6.0             3.0
## 4241                 6.0         5.0             4.0
## 4242                 6.0         5.0             5.0
## 4243                 6.0         5.0             6.0
## 4244                 6.0         4.0             4.0
## 4245                 8.0         7.0             6.0
## 4246                 7.0         7.0             6.0
## 4247                 7.0         6.0             6.0
## 4248                 8.0         5.0             7.0
## 4249                 9.0         7.0             8.0
## 4250                 8.0         6.0             7.0
## 4251                 6.0         5.0             6.0
## 4252                 8.0         7.0             7.0
## 4253                 7.0         5.0             7.0
## 4254                 6.0         3.0             5.0
```

```
## 4255              7.0         7.0          7.0
## 4256              5.0         5.0          3.0
## 4257              8.0         8.0          7.0
## 4258              7.0         6.0          5.0
## 4259              8.0         5.0          5.0
## 4260              6.0         6.0          5.0
## 4261              6.0         6.0          5.0
## 4262              8.0         9.0          8.0
## 4263              8.0         7.0          6.0
## 4264              8.0         7.0          7.0
## 4265              8.0         7.0          7.0
## 4266              8.0         7.0          6.0
## 4267              6.0         6.0          6.0
## 4268              8.0         7.0          6.0
## 4269              7.0         6.0          6.0
## 4270              8.0         6.0          6.0
## 4271              8.0         7.0          6.0
## 4272              9.0         7.0          6.0
## 4273              8.0         8.0          6.0
## 4274              7.0         6.0          6.0
## 4275              9.0         6.0          6.0
## 4276              9.0         8.0          5.0
## 4277              8.0         7.0          6.0
## 4278              9.0         9.0          8.0
## 4279              8.0         6.0          6.0
## 4280              8.0         7.0          6.0
## 4281              7.0         6.0          5.0
## 4282              7.0         6.0          7.0
## 4283              6.0         6.0          6.0
## 4284              8.0         6.0          7.0
## 4285              7.0         4.0          4.0
## 4286              8.0         4.0          6.0
## 4287              7.0         5.0          6.0
## 4288              7.0         7.0         10.0
## 4289              8.0         9.0          6.0
## 4290              9.0         4.0          5.0
## 4291              9.0         5.0          6.0
## 4292              7.0         4.0          6.0
## 4293             10.0         4.0          5.0
## 4294             10.0         8.0          7.0
## 4295             10.0         7.0          7.0
## 4296              7.0         3.0          5.0
## 4297              8.0         5.0          7.0
## 4298              7.0         4.0          5.0
## 4299              7.0         7.0          7.0
## 4300              7.0         6.0          7.0
## 4301              8.0         4.0          5.0
## 4302              7.0         7.0          7.0
## 4303              6.0         9.0          7.0
## 4304              7.0         8.0          7.0
## 4305              7.0         6.0          5.0
## 4306              8.0         6.0          5.0
## 4307              6.0         5.0          5.0
## 4308              9.0         6.0          7.0
```

```
## 4309              6.0          6.0              5.0
## 4310              7.0          8.0              6.0
## 4311              6.0          4.0              6.0
## 4312              8.0          6.0              6.0
## 4313              7.0          6.0              5.0
## 4314              7.0          4.0              4.0
## 4315              8.0          8.0              7.0
## 4316              7.0          6.0              6.0
## 4317              4.0          3.0              4.0
## 4318              6.0          5.0              4.0
## 4319              7.0          7.0              8.0
## 4320              9.0          6.0              6.0
## 4321              8.0          7.0              6.0
## 4322              6.0          5.0              5.0
## 4323              6.0          8.0              5.0
## 4324              6.0          7.0              5.0
## 4325              9.0          6.0              8.0
## 4326              8.0          9.0              7.0
## 4327              5.0          5.0              5.0
## 4328              6.0          5.0              8.0
## 4329              7.0          7.0              7.0
## 4330              8.0          7.0              8.0
## 4331              8.0          5.0              9.0
## 4332              8.0          6.0              6.0
## 4333              9.0          9.0              9.0
## 4334              7.0          7.0              7.0
## 4335              8.0          5.0              7.0
## 4336              7.0          8.0              7.0
## 4337              7.0          5.0              7.0
## 4338              7.0          4.0              7.0
## 4339              9.0          6.0              6.0
## 4340               NA          9.0               NA
## 4341             10.0          5.0              5.0
## 4342               NA          7.0               NA
## 4343              7.0          7.0              7.0
## 4344               NA          9.0               NA
## 4345              9.0          5.0              5.0
## 4346              8.0          6.0               NA
## 4347              8.0          9.0              9.0
## 4348               NA          9.0               NA
## 4349              8.0          8.0              8.0
## 4350               NA          5.0               NA
## 4351              8.0          5.0               NA
## 4352               NA          5.0               NA
## 4353              6.0          3.0              3.0
## 4354              9.0          3.0              5.0
## 4355              5.0          3.0              1.0
## 4356              6.0          5.0              3.0
## 4357              6.0          6.0              4.0
## 4358              9.0          8.0              7.0
## 4359              6.0          4.0              2.0
## 4360              8.0          5.0              5.0
## 4361              8.0          9.0              8.0
## 4362              8.0          9.0              8.0
```

```
## 4363              5.0         6.0          6.0
## 4364              9.0         6.0          5.0
## 4365              5.0         5.0          5.0
## 4366              8.0         9.0          9.0
## 4367              8.0         7.0          8.0
## 4368              8.0         8.0          8.0
## 4369              9.0         7.0          8.0
## 4370              9.0         7.0          9.0
## 4371              5.0         5.0          9.0
## 4372              7.0         7.0          7.0
## 4373              7.0         6.0          8.0
## 4374              7.0         5.0          9.0
## 4375              7.0         8.0          9.0
## 4376              7.0         7.0          9.0
## 4377              8.0         7.0          9.0
## 4378             10.0         8.0          9.0
## 4379              7.0         6.0          8.0
## 4380              7.0         7.0          8.0
## 4381              8.0         6.0          8.0
## 4382              9.0         6.0          7.0
## 4383              8.0         6.0          7.0
## 4384              9.0         9.0          9.0
## 4385              9.0         9.0          9.0
## 4386              8.0         8.0          8.0
## 4387              8.0         6.0          8.0
## 4388              8.0         8.0          8.0
## 4389              9.0         9.0          9.0
## 4390              8.0         7.0          7.0
## 4391              8.0         6.0          7.0
## 4392              7.0         6.0          7.0
## 4393              7.0         6.0          7.0
## 4394              7.0         7.0          7.0
## 4395             10.0        10.0         10.0
## 4396              8.0         7.0          7.0
## 4397              8.0         8.0          8.0
## 4398              9.0         9.0          9.0
## 4399              9.0         8.0          9.0
## 4400              9.0         8.0          8.0
## 4401              8.0         8.0          8.0
## 4402             10.0         9.0          9.0
## 4403             10.0        10.0         10.0
## 4404              9.0         9.0          9.0
## 4405             10.0         9.0          9.0
## 4406              8.0         8.0          8.0
## 4407              9.0         7.0          7.0
## 4408              7.0         2.0          2.0
## 4409             10.0         9.0         10.0
## 4410             10.0        10.0          9.0
## 4411             10.0         7.0          7.0
## 4412              9.0         9.0          8.0
## 4413              9.0         9.0          9.0
## 4414             10.0        10.0          9.0
## 4415             10.0         6.0          9.0
## 4416             10.0         8.0          7.0
```

```
## 4417      9.0      10.0      7.0
## 4418     10.0      10.0      9.0
## 4419      9.0       7.0     10.0
## 4420     10.0      10.0      9.0
## 4421     10.0       9.0     10.0
## 4422     10.0       9.0      8.0
## 4423      8.0       2.0      9.0
## 4424     10.0       5.0     10.0
## 4425      7.0       2.0      9.0
## 4426      9.0       7.0      9.0
## 4427      8.0       2.0      5.0
## 4428      8.0       8.0      5.0
## 4429      7.0       6.0      8.0
## 4430      6.0       5.0      6.0
## 4431      7.0       7.0      8.0
## 4432      8.0      10.0      5.0
## 4433     10.0       5.0     10.0
## 4434     10.0       5.0      6.0
## 4435     10.0       4.0     10.0
## 4436      7.0       7.0      9.0
## 4437     10.0        NA     10.0
## 4438      8.0       4.0      8.0
## 4439       NA        NA      3.0
## 4440       NA       8.0       NA
## 4441     10.0      10.0     10.0
## 4442       NA        NA       NA
## 4443     10.0       7.0      7.0
## 4444      6.0        NA      6.0
## 4445      6.0       7.0      8.0
## 4446       NA        NA     10.0
## 4447      5.0        NA       NA
## 4448      8.0       5.0       NA
## 4449      8.0       6.0      8.0
## 4450       NA        NA       NA
## 4451      7.0       5.0      8.0
## 4452      8.0       8.0      8.0
## 4453      7.0       3.0      6.0
## 4454      8.0       8.0      8.0
## 4455      9.0       8.0      8.0
## 4456      8.0       8.0      8.0
## 4457      9.0       6.0      9.0
## 4458      8.0       5.0      8.0
## 4459      8.0       7.0      8.0
## 4460      7.0       9.0      8.0
## 4461      7.0       6.0      7.0
## 4462      5.0       5.0      5.0
## 4463      9.0       7.0      8.0
## 4464      8.0       6.0      8.0
## 4465      9.0       1.0      8.0
## 4466      8.0       8.0      7.0
## 4467      9.0       2.0      6.0
## 4468      7.0       5.0      7.0
## 4469      8.0       3.0      5.0
## 4470      8.0       7.0      5.0
```

```
## 4471          10.0          3.0          9.0
## 4472          10.0          3.0          8.0
## 4473           9.0          9.0          9.0
## 4474           8.0         10.0          7.0
## 4475           7.0          3.0          7.0
## 4476           5.0          5.0          6.0
## 4477           7.0          3.0          7.0
## 4478           6.0          3.0          5.0
## 4479           8.0          7.0          7.0
## 4480           9.0          8.0          2.0
## 4481           8.0          6.0          6.0
## 4482           8.0          6.0          6.0
## 4483           8.0          8.0          7.0
## 4484           7.0          6.0          7.0
## 4485           9.0          8.0          8.0
## 4486           9.0          8.0          7.0
## 4487           7.0          5.0          9.0
## 4488           8.0          9.0          7.0
## 4489           8.0          5.0          7.0
## 4490           7.0          5.0          9.0
## 4491           7.0          5.0          5.0
## 4492           7.0          6.0          6.0
## 4493           9.0          9.0          8.0
## 4494           8.0          9.0          8.0
## 4495           6.0          6.0          6.0
## 4496           7.0          8.0          7.0
## 4497           8.0          7.0          7.0
## 4498           8.0          6.0          6.0
## 4499           7.0          7.0          8.0
## 4500           8.0          8.0          8.0
## 4501           8.0          7.0          8.0
## 4502           8.0          8.0          8.0
## 4503           6.0          5.0          5.0
## 4504           6.0          6.0          6.0
## 4505           7.0          6.0          6.0
## 4506           8.0          6.0          6.0
## 4507           7.0          5.0          5.0
## 4508           6.0          7.0          5.0
## 4509           6.0          4.0          4.0
## 4510           8.0          7.0          7.0
## 4511           7.5          8.0          7.0
## 4512           9.0          9.0          8.0
## 4513           8.0          5.0          8.0
## 4514           8.0          6.0          7.0
## 4515           7.0          8.0          7.0
## 4516           7.0          8.0          5.0
## 4517           7.0          6.0          6.0
## 4518           6.0          7.0          5.0
## 4519           6.0          5.0          4.0
## 4520           8.0          5.0          8.0
## 4521           9.0          8.0          7.0
## 4522           8.0          8.0          7.0
## 4523           8.0          7.0          6.0
## 4524           8.0          8.0          6.0
```

```
## 4525          9.0          8.0          7.0
## 4526          8.0          8.0          6.0
## 4527          8.0          7.0          6.0
## 4528          8.0          7.0          6.0
## 4529         10.0          8.0          7.0
## 4530         10.0          7.0          6.0
## 4531          8.0          7.0          6.0
## 4532          8.0          7.0          6.0
## 4533         10.0         10.0          8.0
## 4534          9.0          8.0          7.0
## 4535         10.0         10.0         10.0
## 4536          8.0         10.0          8.0
## 4537         10.0          8.0         10.0
## 4538          8.0          8.0           NA
## 4539          8.0          8.0          8.0
## 4540          9.0          9.0          8.0
## 4541          8.0          9.0          8.0
## 4542         10.0          8.0         10.0
## 4543          4.0          4.0          4.0
## 4544         10.0          9.0         10.0
## 4545          8.0         10.0          8.0
## 4546         10.0         10.0         10.0
## 4547          8.0          8.0           NA
## 4548         10.0         10.0           NA
## 4549          8.0          6.0          7.0
## 4550          7.0          5.0          6.0
## 4551          8.0          7.0          6.0
## 4552          7.0          8.0          7.0
## 4553          7.0          8.0          6.0
## 4554          6.0          6.0          6.0
## 4555          6.0          5.0          7.0
## 4556          7.0          6.0          7.0
## 4557          5.0          7.0          5.0
## 4558          7.0          5.0          5.0
## 4559          7.0          7.0          7.0
## 4560          7.0          6.0          6.0
## 4561          7.0          6.0          7.0
## 4562          8.0          8.0          8.0
## 4563          8.0          5.0          4.0
## 4564          5.0          5.0          7.0
## 4565          7.0          5.0          8.0
## 4566          5.0          6.0          5.0
## 4567          6.0          7.0          5.0
## 4568          6.0          4.0          7.0
## 4569          5.0          4.0          5.0
## 4570          7.0          8.0          7.0
## 4571          2.0          0.0          3.0
## 4572          7.0          8.0          5.0
## 4573          4.0          5.0          5.0
## 4574          6.0          5.0          6.0
## 4575          5.0          2.0          8.0
## 4576          6.0          7.0          5.0
## 4577          8.0          7.0          8.0
## 4578          6.0          3.0          4.0
```

```
## 4579                 7.0             4.0             8.0
## 4580                 5.0             6.0             3.0
## 4581                 7.0             5.0             5.0
## 4582                 8.0             7.0             6.0
## 4583                 6.0             4.0             4.0
## 4584                 8.0             5.0             8.0
## 4585                 4.0             8.0             4.0
## 4586                 8.0             6.0             7.0
## 4587                 6.0             6.0             4.0
## 4588                 8.0             4.0             8.0
## 4589                 6.0             5.0             5.0
## 4590                 8.0             6.0             7.0
## 4591                 6.0             7.0             8.0
## 4592                 8.0             7.0              NA
## 4593                 9.0             4.0             8.0
## 4594                 6.0             7.0             7.0
## 4595                 7.0             5.0             7.0
## 4596                 7.0             5.0             5.0
## 4597                 7.0             8.0              NA
## 4598                 9.0             8.0             8.0
## 4599                 4.0             8.0             6.0
## 4600                 9.0             8.0             9.0
## 4601                 7.0             8.0             6.0
## 4602                 7.0             5.0             6.0
## 4603                 6.0             6.0             6.0
## 4604                 9.0             8.0             8.0
## 4605                 6.0             6.0             6.0
## 4606                 5.0             5.0             5.0
## 4607                 6.0             5.0             8.0
## 4608                 6.0             6.0             6.0
## 4609                 5.0             4.0             4.0
## 4610                 5.0             5.0             6.0
## 4611                 7.0             4.0             5.0
## 4612                 7.0             7.0             5.0
## 4613                 6.0             7.0             6.0
## 4614                 7.0             7.0             6.0
## 4615                 5.0             6.0             7.0
## 4616                 6.0             6.0             5.0
## 4617                 7.0             8.0             5.0
## 4618                 7.0             7.0             5.0
## 4619                10.0             7.0             7.0
## 4620                 9.0             7.0             4.0
## 4621                 8.0             4.0             4.0
## 4622                 8.0             6.0             3.0
## 4623                 9.0             8.0             3.0
## 4624                 9.0             7.0             6.0
## 4625                 9.0             6.0             6.0
## 4626                 8.0             7.0             7.0
## 4627                 6.0             4.0             7.0
## 4628                 7.0             7.0             6.0
## 4629                 8.0             8.0             3.0
## 4630                 8.0             6.0             4.0
## 4631                 9.0            10.0             4.0
## 4632                10.0             9.0             5.0
```

```
## 4633               9.0          8.0          7.0
## 4634               6.0          6.0          5.0
## 4635               8.0          8.0          7.0
## 4636               6.0          7.0          7.0
## 4637               5.0          4.0          4.0
## 4638               7.0          8.0          5.0
## 4639               8.0          7.0          7.0
## 4640               8.0          4.0          5.0
## 4641               6.0          8.0          7.0
## 4642               6.0          6.0          3.0
## 4643               8.0          9.0          6.0
## 4644               5.0          4.0          4.0
## 4645               5.0          3.0          4.0
## 4646               7.0          6.0          6.0
## 4647               9.0          7.0          7.0
## 4648               7.0          4.0          7.0
## 4649               9.0          9.0          9.0
## 4650               6.0          4.0          6.0
## 4651               7.0          4.0          6.0
## 4652               8.0          7.0          6.0
## 4653               8.0          5.0          6.0
## 4654              10.0          8.0          5.0
## 4655               8.0          6.0          7.0
## 4656               9.0          8.0          7.0
## 4657               8.0          8.0          8.0
## 4658               9.0          8.0          5.0
## 4659               7.0          6.0          4.0
## 4660               7.0          6.0          8.0
## 4661               7.0          6.0          5.0
## 4662               6.0          6.0          4.0
## 4663               7.0          5.0          5.0
## 4664               6.0          6.0          7.0
## 4665               7.0          6.0          6.0
## 4666               8.0          7.0          4.0
## 4667               7.0          6.0          5.0
## 4668               7.0          6.0          7.0
## 4669               5.0          4.0          6.0
## 4670               5.0          5.0          5.0
## 4671               5.0          6.0          6.0
## 4672               5.0          6.0          5.0
## 4673               5.0          4.0          5.0
## 4674               7.0          6.0          5.0
## 4675               9.0          8.0          7.0
## 4676               7.0          6.0          6.0
## 4677               7.0          6.0          6.0
## 4678               7.0          8.0          9.0
## 4679               8.0          5.0          6.0
## 4680               8.0         10.0          9.0
## 4681               9.0          8.0          9.0
## 4682               7.0          8.0          9.0
## 4683               7.0          6.0          8.0
## 4684               8.0          9.0          8.0
## 4685               6.0          9.0          8.0
## 4686               6.0          5.0          8.0
```

```
## 4687           7.0           6.0           5.0
## 4688           7.0           7.0           5.0
## 4689          10.0           7.0           9.0
## 4690           7.0           5.0           5.0
## 4691           8.0           5.0           7.0
## 4692           7.0           5.0           5.0
## 4693           7.0           5.0           5.0
## 4694           8.0           6.0           5.0
## 4695           5.0           2.0           2.0
## 4696           9.0           2.0           9.0
## 4697           6.0          10.0           5.0
## 4698           7.0           5.0           5.0
## 4699           6.0           5.0           5.0
## 4700           9.0           5.0           9.0
## 4701           4.0           4.0           4.0
## 4702           8.0           4.0           6.0
## 4703           7.0           7.0           5.0
## 4704           6.0           5.0           6.0
## 4705           7.0           6.0           7.0
## 4706           7.0           7.0           7.0
## 4707           7.0           6.0           6.0
## 4708           7.0           6.0           6.0
## 4709           7.0           5.0           5.0
## 4710           8.0           7.0           5.0
## 4711           7.0           8.0           7.0
## 4712           7.0           6.0           6.0
## 4713           6.0           6.0           5.0
## 4714           7.0           6.0           5.0
## 4715           7.0           7.0           5.0
## 4716           7.0           8.0           7.0
## 4717          10.0           8.0            NA
## 4718          10.0          10.0            NA
## 4719          10.0          10.0            NA
## 4720          10.0           7.0            NA
## 4721          10.0          10.0            NA
## 4722          10.0          10.0            NA
## 4723          10.0           8.0            NA
## 4724           8.0           8.0           6.0
## 4725           8.0           7.0           6.0
## 4726           8.0           7.0           7.0
## 4728           7.0           6.0           6.0
## 4729           7.0           7.0           6.0
## 4730           7.0           6.0           6.0
## 4731          10.0           6.0           5.0
## 4732           7.0           7.0           6.0
## 4733           8.0           9.0           5.0
## 4734          10.0           6.0          10.0
## 4735           8.0           9.0           6.0
## 4736           9.0           7.0           6.0
## 4737           9.0           2.0           5.0
## 4738           8.0           7.0           7.0
## 4739           7.0           7.0           5.0
## 4740           7.0           8.0           6.0
## 4741           8.0           5.0           7.0
```

```
## 4742               6.0          8.0          5.0
## 4743               8.0          7.0          7.0
## 4744               7.0          5.0          7.0
## 4745               8.0         10.0           NA
## 4746               9.0         10.0           NA
## 4747               9.0         10.0          7.0
## 4748              10.0          6.0         10.0
## 4749               9.0          9.0           NA
## 4750               9.0         10.0          9.0
## 4751               9.0          8.0           NA
## 4752               8.0          8.0          8.0
## 4753               8.0         10.0           NA
## 4754               8.0          8.0          8.0
## 4755               8.0          8.0          8.0
## 4756               8.0         10.0          8.0
## 4757               8.0          8.0          8.0
## 4758               8.0          8.0          8.0
## 4759               8.0         10.0          8.0
## 4760               8.0          8.0          6.0
## 4761               8.0          8.0          8.0
## 4762               8.0          8.0          8.0
## 4763               8.0          8.0          7.0
## 4764               8.0          8.0          7.0
## 4765               7.0          5.0         10.0
## 4766               7.0          5.0          6.0
## 4767               8.0          7.0          8.0
## 4768               8.0          7.0          8.0
## 4769               8.0          6.0          8.0
## 4770               9.0          6.0          7.0
## 4771               8.0          6.0          7.0
## 4772               8.0          6.0          8.0
## 4773               8.0          4.0          6.0
## 4774               9.0          8.0          9.0
## 4775               6.0          7.0          6.0
## 4776               9.0          6.0          8.0
## 4777               8.0          4.0          7.0
## 4778               8.0          4.0          6.0
## 4779               8.0          6.0          8.0
## 4780               8.0          5.0          6.0
## 4781               5.0          7.0          5.0
## 4782               7.0          6.0          6.0
## 4783               7.0          5.0          6.0
## 4784               7.0          4.0          6.0
## 4785               7.0          5.0          4.0
## 4786               7.0          4.0          7.0
## 4787               7.0          7.0          7.0
## 4788               9.0          7.0          8.0
## 4789               9.0         10.0         10.0
## 4790               9.0         10.0          8.0
## 4791               9.0          8.0          8.0
## 4792              10.0         10.0          9.0
## 4793               9.0         10.0          9.0
## 4794               8.0          5.0          5.0
## 4795               8.0          6.0          6.0
```

```
## 4796             8.0          6.0             6.0
## 4797             7.0          7.0             5.0
## 4798             7.0          7.0             7.0
## 4799             7.0          7.0             6.0
## 4800             7.0          7.0             6.0
## 4801             5.0          5.0             6.0
## 4802             7.0          8.0             7.0
## 4803             7.0          6.0             6.0
## 4804             6.0          5.0             6.0
## 4805             7.0          9.0             6.0
## 4806             3.0          2.0             6.0
## 4807             6.0          6.0             6.0
## 4808             7.0          6.0             6.0
## 4809             6.0          6.0             6.0
## 4810             8.0          8.0             7.0
## 4811             8.0          8.0             6.0
## 4812             7.0          8.0             8.0
## 4813             8.0          7.0             6.0
## 4814             7.0          5.0             5.0
## 4815             8.0          7.0             8.0
## 4816             7.0          7.0             5.0
## 4817             4.0          2.0             2.0
## 4818             8.0          6.0             8.0
## 4819             7.0          7.0              NA
## 4820             5.0          7.0             7.0
## 4821             6.0          6.0             6.0
## 4822             7.0          6.0             5.0
## 4823             6.0          6.0             6.0
## 4824             5.0          5.0              NA
## 4825             8.0          8.0             6.0
## 4826             4.0          3.0             3.0
## 4827             8.0          8.0             8.0
## 4828             4.0          3.0             4.0
## 4829             6.0          8.0             6.0
## 4830             8.0          7.0             5.0
## 4831             7.0          8.0             7.0
## 4832             7.0          7.0             6.0
## 4833             7.0          4.0             9.0
## 4834             5.0          1.0             7.0
## 4835             7.0          6.0             9.0
## 4836             7.0          5.0             8.0
## 4837             9.0          7.0             7.0
## 4838             9.0          7.0             7.0
## 4839             7.0          7.0             6.0
## 4840             9.0         10.0             8.0
## 4841             9.0          7.0             7.0
## 4842            10.0          9.0             9.0
## 4843             8.0          7.0             7.0
## 4844             8.0          6.0             6.0
## 4845             8.0          8.0             8.0
## 4846             7.0          6.0             6.0
## 4847             6.0          5.0             6.0
## 4848             7.0          6.0             6.0
## 4849             6.0          5.0             6.0
```

```
## 4850           7.0       7.0        6.0
## 4851           8.0       8.0        8.0
## 4852           8.0       7.0        8.0
## 4853           8.0       8.0        7.0
## 4854           7.0       6.0        7.0
## 4855           8.0       7.0        9.0
## 4856           7.0       5.0        7.0
## 4857           6.0       3.0        6.0
## 4858           6.0       8.0        8.0
## 4859           8.0       8.0        8.0
## 4860           8.0       8.0        8.0
## 4861           8.0       7.0       10.0
## 4862          10.0       8.0       10.0
## 4863          10.0       9.0        8.0
## 4864           8.0       8.0        7.0
## 4866           8.0       8.0        8.0
## 4867           6.0       5.0        6.0
## 4869           8.0       8.0        8.0
## 4870           9.0       8.0        8.0
## 4871           9.0       8.0        7.0
## 4872          10.0       7.0       10.0
## 4873           6.0       6.0        6.0
## 4874           8.0       8.0        8.0
## 4875          10.0       4.0       10.0
## 4876           4.0       6.0        4.0
## 4877           6.0       4.0        6.0
## 4878           7.0       6.0        7.0
## 4879           5.0       6.0        5.0
## 4880           6.0       4.0        4.0
## 4881           8.0       9.0        7.0
## 4882           6.0       6.0        6.0
## 4883           5.0       6.0         NA
## 4884           9.0       8.0        7.0
## 4885            NA       7.0        8.0
## 4886           7.0       6.0        6.0
## 4888           5.0       3.0         NA
## 4889           6.0       5.0        7.0
## 4890          10.0       7.0       10.0
## 4891           6.0       4.0        5.0
## 4892           7.0       5.0         NA
## 4893           5.0       5.0        5.0
## 4894           7.0       7.0        7.0
## 4895           7.0       6.0        6.0
## 4896           7.0       6.0        7.0
## 4897           8.0       6.0         NA
## 4898           8.0       7.0         NA
## 4899           8.0       8.0        9.0
## 4900           8.0       6.0         NA
## 4901           5.0       7.0         NA
## 4902           7.0       7.0        8.0
## 4903           6.0        NA         NA
## 4904           7.0       6.0        6.0
## 4905           7.0       6.0        9.0
## 4906           8.0       5.0         NA
```

```
## 4908             8.0         6.0             8.0
## 4910             7.0         8.0              NA
## 4911             9.0         8.0             9.0
## 4912             8.0         8.0             8.0
## 4913             5.0         5.0             5.0
## 4914             9.0         9.0             7.0
## 4915             6.0         6.0             6.0
## 4916             8.0         8.0             8.0
## 4917             7.0         7.0             7.0
## 4918             7.0         8.0             6.0
## 4919             7.0         9.0             8.0
## 4920             8.0         7.0             9.0
## 4921             8.0         8.0             8.0
## 4923             9.0         9.0             9.0
## 4925             6.0         6.0             6.0
## 4926             9.0         9.0             9.0
## 4927             7.0         7.0             6.0
## 4928             6.0         6.0             8.0
## 4930            10.0         8.0             8.0
## 4931            10.0         6.0            10.0
## 4932             8.0        10.0             9.0
## 4933             9.0         7.0             9.0
## 4934            10.0         6.0             9.0
## 4935             9.0         5.0             8.0
## 4936             9.0         9.0             7.0
## 4937             8.0        10.0             6.0
## 4938            10.0         8.0             8.0
## 4939             8.0         7.0             7.0
## 4940             7.0         7.0             7.0
## 4941             8.0         8.0             8.0
## 4942             9.0         6.0            10.0
## 4943             9.0         9.0             8.0
## 4944             9.0         8.0             8.0
## 4945             8.0         5.0            10.0
## 4946            10.0         6.0            10.0
## 4947             5.0         4.0             4.0
## 4948             8.0         7.0             6.0
## 4949             9.0         7.0             6.0
## 4950             9.0         7.0             7.0
## 4951              NA          NA              NA
## 4952             9.0         5.0             7.0
## 4955             9.0        10.0             9.0
## 4956             8.0         7.0             7.0
## 4957             9.0         9.0             8.0
## 4958             8.0         9.0             7.0
## 4959             8.0         7.0             6.0
## 4960             7.0         5.0             6.0
## 4961             5.0         5.0             5.0
## 4962             7.0         6.0             5.0
## 4963             7.0         5.0             6.0
## 4965            10.0         7.0            10.0
## 4966             7.0         6.0             7.0
## 4967            10.0         8.0             7.0
## 4968             9.0         9.0             8.0
```

```
## 4969            10.0           9.0          10.0
## 4970            10.0           8.0           8.0
## 4971             8.0           8.0           8.0
## 4972             8.0           8.0           8.0
## 4973             6.0          10.0           7.0
## 4974            10.0           9.0          10.0
## 4975             9.0           8.0           8.0
## 4976            10.0           8.0           8.0
## 4977             9.0           9.0           9.0
## 4978            10.0           8.0           8.0
## 4979             8.0           8.0           9.0
## 4980            10.0           5.0           9.0
## 4981             8.0           8.0           8.0
## 4982             9.0           8.0           8.0
## 4983             5.0           2.0           8.0
## 4984             9.0           7.0           8.0
## 4985             6.0           3.0           7.0
## 4986             8.0           7.0           8.0
## 4987             8.0           7.0           8.0
## 4988             8.0           8.0            NA
## 4989             7.0           8.0           5.0
## 4990             6.0           8.0           7.0
## 4992             7.0           6.0           6.0
## 4993             7.0           8.0           7.0
## 4994             8.0           7.0           6.0
## 4995             8.0           7.0           9.0
## 4996             8.0           5.0           7.0
## 4997             5.0          10.0           7.0
## 4998             9.0           2.0          10.0
## 4999             7.0           4.0           5.0
## 5000             6.0           6.0           5.0
## 5001             9.0           4.0           9.0
## 5002             8.0           6.0           6.0
## 5003             8.0           5.0           5.0
## 5004             6.0           6.0           5.0
## 5005             7.0           9.0           7.0
## 5006             9.0           7.0           7.0
## 5007             9.0           6.0           8.0
## 5008             9.0           8.0           6.0
## 5009             4.0           4.0           5.0
## 5010             8.0           8.0           8.0
## 5011             7.0           7.0           5.0
## 5012             7.0           6.0           6.0
## 5013             7.0           7.0           9.0
## 5014             7.0           4.0           8.0
## 5015             6.0           6.0           5.0
## 5016             8.0           7.0           9.0
## 5017             6.0           4.0           6.0
## 5018             7.0           8.0           7.0
## 5020             7.0           7.0           7.0
## 5021             7.0           7.0           7.0
## 5022             8.0           8.0           8.0
## 5023             6.0           6.0           7.0
## 5024             8.0           8.0           8.0
```

```
## 5025              7.0         7.0         7.0
## 5026              7.0         7.0         7.0
## 5027              8.0         7.0         7.0
## 5028              8.0         7.0         7.0
## 5029              3.0         2.0         3.0
## 5030              6.0         7.0         7.0
## 5031              9.0         9.0         9.0
## 5032              7.0         7.0         7.0
## 5033              8.0         8.0         8.0
## 5034              8.0         7.0         7.0
## 5035              7.0         5.0         7.0
## 5036              7.0         7.0         7.0
## 5037              7.0         6.0         6.0
## 5038              8.0         7.0         5.0
## 5039              8.0         7.0         7.0
## 5040              8.0         8.0         6.0
## 5041              7.0         7.0         7.0
## 5042              8.0         9.0         6.0
## 5043              7.0         7.0         6.0
## 5044              8.0         9.0         7.0
## 5045              7.0         9.0         7.0
## 5046              8.0         8.0         7.0
## 5047              8.0         7.0         8.0
## 5048              9.0         7.0         7.0
## 5049              7.0         7.0         7.0
## 5050              7.0         6.0         6.0
## 5051              8.0         8.0         8.0
## 5052              8.0         8.0         8.0
## 5053              6.0         5.0         5.0
## 5054              6.0         5.0         5.0
## 5055              5.0         4.0         5.0
## 5056              8.0         5.0         6.0
## 5057              8.0         7.0         6.0
## 5058              8.0         8.0         6.0
## 5059              7.0         6.0         6.0
## 5060              7.0         5.0         6.0
## 5063              8.0         7.0         7.0
## 5064              7.0         7.0         7.0
## 5065              7.0         7.0         7.0
## 5066              8.0         8.0         8.0
## 5067              8.0         7.0         7.0
## 5068              7.0         6.0         6.0
## 5069              6.0         5.0         5.0
## 5070              7.0         6.0         5.0
## 5071              7.0         4.0         6.0
## 5072              6.0         4.0         6.0
## 5073              4.0         6.0         6.0
## 5074             10.0        10.0         7.0
## 5075              4.0         3.0         5.0
## 5076              8.0         8.0          NA
## 5077              8.0         9.0         7.0
## 5078             10.0        10.0         9.0
## 5079              6.0         4.0         4.0
## 5080              9.0         9.0        10.0
```

```
## 5081              8.0         10.0          6.0
## 5082              9.0          9.0          9.0
## 5083             10.0         10.0         10.0
## 5084              7.0          7.0          6.0
## 5085             10.0         10.0          9.0
## 5087              6.0          6.0          6.0
## 5088             10.0          3.0         10.0
## 5089             10.0          4.0          4.0
## 5090              8.0         10.0          7.0
## 5091              7.0          9.0          8.0
## 5092              9.0          8.0          8.0
## 5093              7.0          7.0          8.0
## 5094              9.0          9.0          8.0
## 5095              9.0          9.0          9.0
## 5096              7.0          8.0          8.0
## 5097              8.0          6.0          7.0
## 5098              5.0          5.0          5.0
## 5101              8.0          8.0          8.0
## 5102              7.0          8.0          5.0
## 5103              8.0          7.0          8.0
## 5105              7.0          7.0          7.0
## 5106              9.0          9.0          8.0
## 5107              8.0          9.0          8.0
## 5108              6.0          5.0          6.0
## 5109              7.0          5.0           NA
## 5112              7.0          6.0          6.0
## 5113              7.0          7.0          6.0
## 5115              7.0          6.0           NA
## 5116              7.0          7.0          7.0
## 5119              7.0          5.0          6.0
## 5122              7.0          4.0          7.0
## 5123              6.0          5.0           NA
## 5124              7.0          7.0          8.0
## 5127              6.0          0.0          3.0
## 5128              7.0          4.0          5.0
## 5129              7.0          4.0          4.0
## 5130              6.0          7.0          6.0
## 5131              8.0          8.0          8.0
## 5132             10.0          7.0          7.0
## 5133              6.0          6.0          6.0
## 5134              8.0          9.0           NA
## 5136              8.0          8.0          8.0
## 5137              7.0          6.0          7.0
## 5138              7.0          5.0          5.0
## 5139              7.0          6.0          9.0
## 5140              8.0          6.0          8.0
## 5141              7.0          5.0          5.0
## 5142              9.0          7.0          9.0
## 5143              7.0          0.0          4.0
## 5144              6.0          2.0          2.0
## 5145              8.0          6.0          8.0
## 5146              7.0          7.0          7.0
## 5147              7.0          7.0          7.0
## 5148              7.0          7.0          7.0
```

```
## 5150             8.0        8.0         8.0
## 5151             8.0        7.0         7.0
## 5152             7.0        7.0         7.0
## 5153             7.0        8.0         7.0
## 5154             8.0        7.0         7.0
## 5155             7.0        7.0         7.0
## 5156             7.0        7.0         7.0
## 5157             8.0        7.0         7.0
## 5158             7.0        7.0         7.0
## 5159             8.0        8.0         8.0
## 5160            10.0       10.0        10.0
## 5161             8.0        7.0         7.0
## 5162             7.0        6.0         7.0
## 5163             8.0        6.0          NA
## 5164             8.0         NA         7.0
## 5165             5.0        6.0         6.0
## 5166              NA        4.0         4.0
## 5168             9.0        9.0          NA
## 5169             7.0        8.0         7.0
## 5171              NA        6.0         6.0
## 5172              NA        7.0         5.0
## 5173             7.0         NA          NA
## 5174             6.0        6.0          NA
## 5175              NA         NA          NA
## 5176             5.0        5.0         6.0
## 5177             6.0        6.0          NA
## 5178             7.0         NA         5.0
## 5179              NA        4.0          NA
## 5180             7.0         NA         2.0
## 5181             5.0        2.0         6.0
## 5182             6.0        5.0         5.0
## 5183             5.0        5.0         6.0
## 5184             7.0        7.0         8.0
## 5185             7.0        6.0         7.0
## 5186             6.0        7.0         7.0
## 5187             6.0        7.0         7.0
## 5188             7.0        7.0         8.0
## 5189             7.0        7.0         6.0
## 5191             6.0        6.0         6.0
## 5192             6.0        4.0         4.0
## 5194             7.0        5.0         6.0
## 5195             6.0        6.0         5.0
## 5196             7.0        5.0         7.0
## 5197             5.0        5.0         5.0
## 5198             7.0        6.0         6.0
## 5199             9.0        7.0         7.0
## 5201            10.0        8.0         9.0
## 5202            10.0        9.0        10.0
## 5204             7.0        4.0         3.0
## 5205             8.0        8.0         9.0
## 5206            10.0       10.0        10.0
## 5207            10.0        9.0         8.0
## 5208             9.0        5.0         5.0
## 5209             6.0        6.0         6.0
```

```
## 5210              4.0         3.0           3.0
## 5211              9.0        10.0           9.0
## 5212              6.0         7.0           7.0
## 5213              9.0         8.0           9.0
## 5214              9.0         5.0           5.0
## 5215              9.0         5.0          10.0
## 5216              9.5         7.0           7.0
## 5217              9.0         8.0           9.0
## 5218              8.0         8.0           8.0
## 5219              7.0         7.0           7.0
## 5220              7.0         7.0           7.0
## 5221              8.0         8.0           8.0
## 5222              8.0         7.0           7.0
## 5224              7.0         6.0           6.0
## 5225              8.0         9.0           8.0
## 5226              8.0         7.0           7.0
## 5227              8.0         7.0           7.0
## 5228              7.0         6.0           6.0
## 5229              8.0         6.0           6.0
## 5230              8.0         8.0           8.0
## 5231              8.0         8.0           8.0
## 5233              7.0         7.0           7.0
## 5234              8.0         7.0           8.0
## 5235              8.0         7.0           7.0
## 5236              8.0         7.0           7.0
## 5237              7.0         6.0           5.0
## 5238              8.0         7.0           8.0
## 5239              7.0         6.0           8.0
## 5240              7.0         6.0           8.0
## 5241              7.0         7.0           6.0
## 5242              4.0         3.0           2.0
## 5243              9.0         7.0           7.0
## 5244              7.0         8.0           8.0
## 5245              8.0         8.0           7.0
## 5246              6.0         6.0           7.0
## 5247              7.0         7.0           7.0
## 5248              6.0         5.0           6.0
## 5249              8.0         8.0           8.0
## 5250              8.0         7.0           8.0
## 5252              7.0         7.0           7.0
## 5253              7.0         7.0           8.0
## 5254              8.0         6.0           8.0
## 5255              6.0         5.0           5.0
## 5256              8.0         9.0           8.0
## 5257              7.0         9.0           8.0
## 5258              8.0         6.0           8.0
## 5259              8.0        10.0           8.0
## 5260              9.0         9.0           9.0
## 5261              6.0         5.0           8.0
## 5262              8.0        10.0           8.0
## 5263              9.0         8.0           9.0
## 5264              9.0         8.0           9.0
## 5265              9.0         9.0           9.0
## 5266              9.0         8.0           8.0
```

```
## 5267                     7.0            6.0              6.0
## 5268                     7.0            9.0              8.0
## 5269                     9.0            8.0              9.0
## 5270                     9.0            4.0              9.0
## 5271                     9.0            9.0              9.0
## 5272                     9.0            5.0             10.0
## 5273                    10.0            8.0             10.0
## 5274                     8.0            6.0              7.0
## 5275                     7.0            8.0              6.0
## 5276                     6.0            7.0              6.0
## 5277                     9.0            8.0              9.0
## 5278                     7.0            7.0              7.0
## 5279                     6.0            6.0              5.0
## 5280                     8.0            4.0              3.0
## 5281                     9.0            5.0              7.0
## 5282                     6.0            5.0              6.0
## 5283                     6.0            7.0              6.0
## 5284                     6.0            5.0              5.0
## 5285                     7.0            4.0              6.0
## 5286                     7.0            5.0              7.0
## 5287                     7.0            8.0              7.0
## 5288                     6.0            8.0              5.0
## 5289                     8.0            8.0              8.0
## 5290                     8.0            9.0              7.0
## 5293                     7.0            5.0              6.0
## 5294                     8.0            8.0              7.0
## 5295                     6.0            6.0              6.0
## 5296                     6.0            7.0              5.0
## 5297                     9.0            8.0              9.0
## 5298                     6.0            5.0              5.0
## 5299                     7.0            5.0              6.0
## 5300                     6.0            6.0              5.0
## 5301                     8.0            9.0              8.0
## 5302                     7.0            8.0              7.0
## 5303                     8.0            6.0              6.0
## 5304                     7.0            6.0              5.0
## 5305                     6.0            4.0              3.0
## 5306                     7.0            9.0              8.0
## 5307                     9.0            9.0              9.0
## 5309                     8.0            8.0              8.0
## 5310                     8.0            8.0              8.0
## 5311                     8.0            8.0              6.0
## 5312                     8.0            6.0              9.0
## 5313                     7.0            7.0              6.0
## 5314                     6.0            9.0              8.0
## 5315                     6.0            4.0              6.0
## 5316                     6.0            5.0              6.0
## 5317                     7.0            8.0              6.0
## 5319                     7.0            6.0              6.0
## 5320                     7.0            7.0              7.0
## 5321                     6.0            7.0              6.0
## 5322                     5.0            4.0              4.0
## 5323                     4.0            3.0              5.0
##      shared_interests_partner like guess_prob_liked met decision
```

```
## 1       5.0  7.0      6.0   0     1
## 2       6.0  7.0      5.0   1     1
## 3       7.0  7.0       NA   1     1
## 4       8.0  7.0      6.0   0     1
## 5       6.0  6.0      6.0   0     1
## 6       4.0  6.0      5.0   0     0
## 7       7.0  6.0      5.0   0     1
## 8       6.0  6.0      7.0   NA    0
## 9       8.0  7.0      7.0   0     1
## 10      8.0  6.0      6.0   0     1
## 11      3.0  6.0      4.0   0     0
## 12      6.0  7.0      3.0   0     0
## 13      4.0  6.0      7.0   0     0
## 14      7.0  7.0      8.0   0     1
## 15      8.0  8.0      6.0   1     0
## 16      2.0  6.0      5.0   0     0
## 17      9.0  8.0      7.0   0     1
## 18      5.0  5.0      6.0   0     0
## 19      5.0  5.0      6.0   0     1
## 20      8.0  8.0      7.0   0     1
## 21      9.0  8.0      7.0   1     0
## 22      7.0  8.0      7.0   0     0
## 23      7.0  8.0      7.0   0     0
## 24      7.0  8.0      7.0   0     0
## 25     10.0  9.0       NA   0     0
## 26      9.0  8.0       NA   0     0
## 27      9.0  8.0      7.0   0     0
## 28      7.0  8.0      7.0   0     0
## 29      9.0  9.0      7.0   0     0
## 30      7.0  8.0      7.0   0     0
## 31      7.0  6.0      7.0   0     0
## 32      8.0  8.0      1.0   1     0
## 33      7.0  4.0      1.0   0     0
## 34     10.0  8.0     10.0   1     1
## 35      9.0  7.0      7.0   0     0
## 36      2.0  4.0      3.0   0     0
## 37      5.0  5.0      1.0   0     0
## 38      7.0  6.0      6.0   0     0
## 39      8.0  8.0      8.0   0     1
## 40      8.0 10.0      8.0   0     1
## 41      2.0  7.0      5.0   0     0
## 42      5.0  6.0      4.0   1     0
## 43      5.0  6.0      5.0   1     0
## 44      9.0  8.0      2.0   1     1
## 45      8.0  7.0      4.0   0     0
## 46      8.0  7.0      3.0   0     1
## 47      6.0  6.0      3.0   0     1
## 48      5.0  6.0      4.0   0     1
## 49      9.0  9.0      4.0   0     1
## 50      5.0 10.0      3.0   0     1
## 51      6.0  6.0      6.0   0     1
## 52      2.0  7.0      6.0   0     1
## 53      2.0  6.0      2.0   1     0
## 54      8.0  9.0      4.0   0     1
```

```
## 55                 2.0  4.0          3.0   1      0
## 56                 1.0  2.0          2.0   0      0
## 57                 4.0  8.0          7.0   0      1
## 58                 3.0  5.0          5.0   0      0
## 59                 9.0  9.0          6.0   0      1
## 60                 7.0  9.0          8.0   0      1
## 61                 4.0  7.0          4.0   0      0
## 62                 4.0  7.0          3.0   1      0
## 63                 8.0  7.0          8.0   1      0
## 64                 6.0  8.0          6.0   1      1
## 65                 5.0  5.0          6.0   1      0
## 66                 4.0  5.0          5.0   0      0
## 67                 7.0  8.0          7.0   0      1
## 68                 5.0  5.0          7.0   0      0
## 69                 6.0  6.0          6.0   0      1
## 70                 6.0  7.0          5.0   0      1
## 71                 5.0  4.0          5.0   0      1
## 72                 7.0  8.0          7.0   0      1
## 73                 7.0  5.0          5.0   0      1
## 74                 5.0  5.0          6.0   0      1
## 75                 7.0  6.0          5.0   0      1
## 76                 7.0  6.0          5.0   0      1
## 77                 7.0  6.0          6.0   0      1
## 78                 6.0  5.0          4.0   0      1
## 79                 9.0  7.0         10.0   0      1
## 80                 8.0  8.0          7.0   0      1
## 81                 6.0  5.0          5.0   0      1
## 82                10.0 10.0          5.0   0      1
## 83                 6.0  8.0          5.0   0      1
## 84                 7.0  7.0          5.0   0      1
## 85                 5.0  5.0          5.0   0      1
## 86                 5.0  6.0          5.0   0      1
## 87                 6.0  7.0          5.0   0      1
## 88                 6.0  7.0          5.0   0      1
## 89                 5.0  7.0          6.0   0      1
## 90                 8.0  8.0          5.0   0      1
## 91                  NA  6.0          3.0   0      0
## 92                  NA  1.0          1.0   1      0
## 93                  NA  7.0          6.0   0      1
## 94                  NA 10.0          1.0   1      0
## 95                  NA  6.0          1.0   0      0
## 96                  NA  6.0          1.0   0      0
## 97                  NA  7.0          1.0   0      1
## 98                  NA  5.0          5.0   0      0
## 99                 9.0  9.0          9.0   0      1
## 100                8.0  9.0         10.0   0      1
## 101                6.0  7.0          4.0   0      0
## 102                4.0  7.0          2.0   0      0
## 103                4.0  5.0          2.0   1      0
## 104                5.0  6.0          3.0   0      0
## 105                6.0  6.0          5.0   0      0
## 106                4.0  7.0          4.0   0      0
## 107                7.0  7.0          4.0   0      0
## 108                5.0  7.0          4.0   0      0
```

```
## 109                    5.0  6.0          4.0   0        0
## 110                    5.0  6.0          3.0   0        0
## 111                    5.0  8.0          4.0   0        0
## 112                    5.0  8.0          4.0   0        0
## 113                    5.0  7.0          3.0   0        0
## 114                    5.0  6.0          3.0   1        0
## 115                    5.0  7.0          4.0   1        0
## 116                    6.0  7.0          4.0   0        0
## 117                    5.0  8.0          4.0   1        1
## 118                    5.0  9.0          4.0   0        1
## 119                    5.0  8.0          4.0   0        1
## 120                    1.0  1.0          1.0   0        0
## 121                   10.0 10.0         10.0   1        1
## 122                   10.0 10.0         10.0   0        1
## 123                   10.0 10.0         10.0   0        1
## 124                   10.0 10.0         10.0   NA       1
## 125                   10.0 10.0         10.0   1        1
## 126                   10.0 10.0         10.0   1        1
## 127                   10.0 10.0         10.0   NA       1
## 128                   10.0 10.0         10.0   0        1
## 129                   10.0 10.0         10.0   0        1
## 130                   10.0 10.0         10.0   0        1
## 131                    8.0  7.0          7.0   0        1
## 132                    9.0  9.0          7.0   0        1
## 133                    8.0  7.0          7.0   0        1
## 134                    9.0  8.0         10.0   1        1
## 135                   10.0  7.0          7.0   1        1
## 136                    8.0  7.0          7.0   0        1
## 137                    9.0  8.0          7.0   1        1
## 138                    7.0  8.0          7.0   0        1
## 139                    7.0  7.0          7.0   0        1
## 140                    8.0  7.0          7.0   1        1
## 141                    7.0  8.0          6.0   0        1
## 142                    8.0 10.0          1.0   1        1
## 143                     NA  6.0          1.0   0        1
## 144                    9.0  9.0          7.0   0        1
## 145                    5.0  5.0          7.0   0        0
## 146                    6.0  9.0          2.0   1        1
## 147                    5.0  8.0          4.0   0        1
## 148                    7.0  9.0          7.0   0        1
## 149                    7.0  7.0          8.0   0        1
## 150                     NA  6.0          6.0   0        1
## 151                    7.0  7.0          6.0   0        1
## 152                    7.0  7.0          5.0   0        1
## 153                    6.0  6.0          7.0   0        1
## 154                    7.0  6.0          6.0   0        1
## 155                    7.0  6.0          7.0   0        0
## 156                    7.0  6.0          6.0   0        1
## 157                    6.0  7.0          7.0   0        1
## 158                    7.0  7.0          6.0   0        1
## 159                    7.0  6.0          5.0   0        1
## 160                    7.0  6.0          6.0   0        0
## 161                    7.0  2.0          1.0   0        0
## 162                    3.0  4.0          3.0   0        0
```

```
## 163                    4.0  2.0          2.0   0       0
## 164                    5.0  6.0          4.0   0       1
## 165                    3.0  3.0          3.0   0       0
## 166                    4.0  3.0          3.0   0       0
## 167                    3.0  5.0          4.0   0       0
## 168                    4.0  4.0          4.0   0       0
## 169                    5.0  8.0          4.0   0       1
## 170                    4.0  3.0          6.0   0       0
## 171                    6.0  7.0          5.0   0       0
## 172                    5.0  7.0          6.0   0       1
## 173                    4.0  5.0          1.0   0       0
## 174                    5.0  7.0          7.0   0       0
## 175                    5.0  6.0          5.0   0       0
## 176                    5.0  7.0          6.0   0       0
## 177                    5.0  7.0          5.0   0       1
## 178                    5.0  7.0          5.0   0       1
## 179                    5.0  7.0          5.0   0       0
## 180                    5.0  7.0          6.0   0       0
## 181                    9.0  6.5          8.0   0       1
## 182                    7.0  8.0          8.0   0       1
## 183                    7.0  7.0          7.0   0       1
## 184                   10.0  8.0          8.0   0       1
## 185                    6.0  7.0          7.0   0       1
## 186                    6.0  6.0          6.0   0       1
## 187                   10.0  9.0          9.0   0       1
## 188                   10.0  8.0          8.0   0       1
## 189                    6.0  6.0          6.0   0       1
## 190                    6.0  7.0          8.0   0       1
## 191                    6.0  6.0          6.0   0       0
## 192                    7.0  6.0          9.0   0       0
## 193                    6.0  5.0          5.0   0       0
## 194                    7.0  7.0          7.0   0       0
## 195                    5.0  4.0         10.0   0       0
## 196                    7.0  6.0          7.0   0       0
## 197                    7.0  7.0          7.0   0       0
## 198                    8.0  8.0          8.0   0       1
## 199                    6.0  6.0          6.0   0       0
## 200                    6.0  7.0          7.0   0       0
## 201                    7.0  9.0          1.0   1       0
## 202                    5.0  7.0          2.0   0       0
## 203                    6.0  9.0          3.0   NA      1
## 204                    3.0  6.0          1.0   0       0
## 205                    2.0  6.0          1.0   0       0
## 206                    4.0  5.0          2.0   0       0
## 207                    5.0  8.0          2.0   0       0
## 208                    3.0  5.0          1.0   0       0
## 209                    3.0  6.0          1.0   0       0
## 210                    8.0  9.0          5.0   0       1
## 211                    6.0  6.0          1.0   0       0
## 212                    2.0  2.0          1.0   0       0
## 213                    2.0  6.0          1.0   0       0
## 214                    2.0  6.0          1.0   0       0
## 215                    2.0  6.0          1.0   0       0
## 216                    5.0  8.0          3.0   0       0
```

```
## 217          5.0  6.0          4.0   0      0
## 218          2.0  3.0          3.0   0      0
## 219          3.0  3.0          2.0   0      0
## 220          3.0  4.0          3.0   0      0
## 221          6.0  6.0          6.0   0      1
## 222          6.0  6.0          6.0   0      1
## 223          7.0  7.0          4.0   0      1
## 224          5.0  5.0          4.0   0      0
## 225          6.0  7.0          4.0   0      1
## 226          4.0  5.0          3.0   0      0
## 227          7.0  6.0          6.0   0      1
## 228          2.0  2.0          1.0   0      0
## 229          4.0  2.0          2.0   0      0
## 230          8.0  8.0          5.0   0      1
## 231          4.0  4.0          2.0   0      0
## 232          7.0  7.0          6.0   0      1
## 233          7.0  8.0          6.0   0      1
## 234          7.0  7.0          6.0   0      0
## 235          6.0  6.5          5.0   0      1
## 236          7.0  7.0          6.0   0      1
## 237          9.0  9.0         10.0   1      1
## 238          5.0  7.0          5.0   0      1
## 239          6.0  7.0          5.0   0      1
## 240          6.0  6.0          5.0   0      0
## 241          5.0  6.0          5.0   0      0
## 242          7.0  8.0          6.0   0      1
## 243          7.0  7.0          5.0   0      1
## 244          4.0  6.0          4.0   0      0
## 245          6.0  6.0          5.0   0      0
## 247          5.0  6.0          4.0   0      0
## 248          5.0  6.0          5.0   0      0
## 249           NA  6.0          3.0   0      0
## 250           NA  8.0          4.0   0      0
## 251           NA  7.0          5.0   0      0
## 252           NA  7.0          5.0   0      0
## 253          6.0  7.0          7.0   0      0
## 254           NA  8.0          6.0   0      0
## 255          8.0  8.0          7.0   0      1
## 256          7.0  7.0          7.0   0      0
## 257           NA  7.0          6.0   0      0
## 258          6.0  6.0          5.0   0      0
## 259           NA  7.0          7.0   0      0
## 260           NA  7.0          7.0   0      0
## 261          7.0  7.0          6.0   0      0
## 262          8.0  8.0          7.0   0      1
## 263          8.0  7.0          6.0   0      0
## 264          2.0  6.0          4.0   0      0
## 265          5.0  6.0          4.0   0      0
## 266          5.0  7.0          3.0   0      0
## 267          7.0  7.0          5.0   0      0
## 268          4.0  4.0          5.0   0      0
## 269          3.0  5.0          4.0   0      0
## 270          7.0  7.0          5.0   0      0
## 271          6.0  8.0          7.0   0      0
```

```
## 272          5.0  8.0        4.0   0      0
## 273          6.0  7.0        6.0   0      0
## 274          8.0  9.0        8.0   0      0
## 275          7.0  8.0        7.0   0      0
## 276          8.0  6.0        7.0   0      0
## 277          7.0  5.0        4.0   0      0
## 278          5.0  7.0        7.0   0      0
## 279          6.0  6.0        7.0   0      0
## 280          6.0  7.0        5.0   0      0
## 281          2.0  2.0        2.0   0      0
## 282          2.0  2.0        2.0   0      0
## 283          3.0  3.0        2.0   0      0
## 284          2.0  2.0        3.0   0      0
## 285          4.0  5.0        4.0   0      0
## 286          3.0  2.0        2.0   0      0
## 287          4.0  6.0        5.0   0      0
## 288          2.0  2.0        2.0   0      0
## 289          3.0  4.0        4.0   0      0
## 290          6.0  5.0        5.0   0      0
## 291          6.0  8.0        5.0   0      0
## 292          6.0  6.0        4.0   0      0
## 293          4.0  5.0        4.0   0      0
## 294          5.0  6.0        6.0   0      0
## 295          2.0  3.0        3.0   0      0
## 296          4.0  6.0        5.0   0      0
## 297           NA  3.0        3.0   0      0
## 298           NA  2.0        1.0   0      0
## 299          1.0  2.0        2.0   0      0
## 300          3.0  2.0        3.0   1      0
## 301          1.0  1.0        4.0   0      0
## 302          1.0  1.0        2.0   0      0
## 303          4.0  6.0        5.0   0      1
## 304          4.0  3.0        5.0   0      0
## 305          7.0  3.0        1.0   0      0
## 306           NA  2.0        3.0   0      0
## 307          4.0  4.0        4.0   0      1
## 308          2.0  2.0        3.0   0      0
## 309          2.0  1.0        3.0   0      0
## 310          2.0  3.0        3.0   0      0
## 311          2.0  1.0        2.0   0      0
## 312          4.0  4.0        1.0   0      0
## 313           NA  5.0        4.0   0      0
## 314           NA  4.0        4.0   0      0
## 315           NA  6.0        3.0   0      0
## 316           NA  5.0        4.0   NA     0
## 317          2.0  6.0        4.0   0      1
## 318          2.0  6.0        4.0   0      1
## 319           NA  7.0        4.0   0      1
## 320           NA  6.0        4.0   0      0
## 321          6.0  8.0        5.0   0      1
## 322          4.0  5.0        6.0   0      0
## 323           NA  7.0        5.0   0      1
## 324          6.0  6.0        5.0   0      1
## 325          5.0  8.0        7.0   0      1
```

```
## 326                      NA  8.0          5.0   0        1
## 327                     5.0  6.0          4.0   NA       0
## 328                     3.0  6.0          6.0   0        1
## 329                     5.0  6.0          5.0   0        0
## 330                     5.0  8.0          5.0   0        0
## 331                     7.0  8.0          6.0   0        0
## 332                     6.0  6.0          5.0   0        0
## 333                     3.0  7.0          4.0   0        0
## 334                     5.0  4.0          3.0   0        0
## 335                     5.0  7.0          6.0   0        0
## 336                     6.0  8.0          6.0   0        0
## 337                     7.0  8.0          7.0   0        0
## 338                     7.0  9.0          7.0   1        1
## 339                     7.0  8.0          4.0   0        1
## 340                     3.0  4.0          4.0   0        0
## 341                     5.0  7.0          7.0   0        0
## 342                     7.0  9.0          6.0   0        1
## 343                     6.0  6.0          5.0   0        0
## 344                     8.0  8.0          5.0   0        1
## 345                     4.0  5.0          4.0   0        0
## 346                     2.0   NA           NA   0        0
## 347                     4.0  5.0          3.0   NA       0
## 348                     5.0  5.0          4.0   0        0
## 349                     5.0  5.0          4.0   0        0
## 350                     4.0  5.0          4.0   0        0
## 351                     5.0  7.0          4.0   0        0
## 352                     2.0  4.0          3.0   0        0
## 353                     8.0  8.0          8.0   0        1
## 354                     5.0  7.0          8.0   0        1
## 355                     8.0  9.0          9.0   1        1
## 356                     5.0  5.0          4.0   0        0
## 357                     5.0  6.0          4.0   1        0
## 358                     6.0  6.5          6.0   0        0
## 359                     5.0  5.0          5.0   0        0
## 360                     8.0  8.5          9.0   1        1
## 361                     6.0  5.0          5.0   0        0
## 362                     7.0  7.0          5.0   0        0
## 363                      NA  6.0          5.0   0        0
## 364                     5.0  5.0          3.0   0        0
## 365                     6.0  6.0          3.0   0        0
## 366                     6.0  8.0          5.0   0        0
## 367                     7.0  8.0          5.0   0        0
## 368                     8.0  6.0          5.0   0        0
## 369                     4.0  7.0          2.0   0        0
## 370                     6.0  7.0          5.0   0        0
## 371                     4.0  6.0          3.0   0        0
## 372                     5.0  5.0          3.0   0        0
## 373                     4.0  5.0          3.0   0        0
## 374                     9.0  7.0          5.0   0        0
## 375                     9.0  7.0          5.0   0        0
## 376                     5.0  7.0          3.0   0        0
## 377                     4.0  8.0          5.0   0        1
## 378                     2.0  5.0          2.0   0        0
## 379                     5.0  5.0          3.0   0        0
```

```
## 380                    5.0  6.0           3.0   0       1
## 381                    7.0  4.0           2.0   0       0
## 382                    3.0  5.0           2.0   0       0
## 383                    4.0  6.0           2.0   0       0
## 384                    4.0  6.0           2.0   0       0
## 385                    8.0  7.0           3.0   0       1
## 386                    5.0  7.0           2.0   0       0
## 387                    5.0  7.0           3.0   0       1
## 388                    2.0  3.0           1.0   0       0
## 389                    9.0  8.0           4.0   0       1
## 390                    4.0  6.0           3.0   0       0
## 391                    8.0  5.0           2.0   0       0
## 392                    4.0  5.0           2.0   0       0
## 393                     NA  5.0           6.0   0       0
## 394                     NA  5.0           7.0   0       0
## 395                    6.0  5.0           5.0   0       0
## 396                     NA  5.0           4.0   0       0
## 397                    3.0  5.0           4.0   0       0
## 398                    5.0  5.0           3.0   0       0
## 399                     NA  8.0           8.0   0       1
## 400                    3.0  5.0           4.0   0       0
## 401                    2.0  4.0           4.0   0       0
## 402                    6.0  7.0           7.0   0       1
## 403                    4.0  5.0           5.0   0       0
## 404                    2.0  3.0           3.0   0       0
## 405                    3.0  4.0           3.0   0       0
## 406                    3.0  5.0           4.0   0       0
## 407                    3.0  5.0           4.0  NA       0
## 408                    5.0  5.0           3.0  NA       0
## 409                    8.0  7.0           7.0   0       1
## 410                    6.0  6.0           7.0   0       0
## 411                    9.0  8.0           6.0   0       0
## 412                    7.0  8.0           8.0   0       0
## 413                    5.0  6.0           6.0   0       0
## 414                    9.0  8.0           8.0   0       1
## 415                   10.0  8.0           8.0   0       1
## 416                    8.0  6.0           8.0   0       0
## 417                    6.0  7.0           7.0   0       1
## 418                   10.0  8.0           8.0   0       1
## 419                    9.0  8.0          10.0   0       1
## 420                    6.0  7.0           5.0   0       1
## 421                    9.0  7.0           8.0   0       0
## 422                    6.0  8.0           7.0   0       1
## 423                    9.0  7.0           8.0   0       0
## 424                    6.0  8.0           8.0   0       0
## 425                    3.0  2.0           5.0   0       0
## 426                    2.0  2.0           5.0   0       0
## 427                    1.0  2.0           3.0   0       0
## 428                    1.0  1.0           6.0   0       0
## 429                    1.0  1.0           5.0  NA       0
## 430                    4.0  3.0           5.0   0       0
## 431                    2.0  3.0           5.0   0       0
## 432                    1.0  1.0           6.0   1       0
## 433                    3.0  2.0           5.0   0       0
```

```
## 434          8.0  8.0         5.0   1        1
## 435          3.0  5.0         3.0   0        0
## 436          4.0  5.0         6.0   0        1
## 437          2.0  3.0         6.0   0        0
## 438          7.0  7.0         6.0   0        1
## 439          2.0  4.0         5.0   0        0
## 440          4.0  5.0         5.0   0        0
## 441          3.0  3.0         6.0   0        0
## 442          3.0  3.0         5.0   0        0
## 443          4.0  4.0         5.0   0        1
## 444          2.0  3.0         2.0   0        0
## 445          6.0  7.0         7.0   0        1
## 446          2.0  4.0         3.0   0        0
## 447          5.0  6.0         6.0   0        1
## 448          6.0  5.0         5.0   0        0
## 449          6.0  7.0         6.0   0        1
## 450          4.0  3.0         3.0   0        0
## 451          4.0  5.0         4.0   0        1
## 452          8.0  6.0         2.0   1        1
## 453          5.0  5.0         5.0   0        1
## 454          4.0  6.0         4.0   0        1
## 455          3.0  3.0         3.0   0        0
## 456          5.0  4.0         4.0   0        1
## 457          3.0  5.0         1.0   0        0
## 458          1.0  1.0         1.0   0        0
## 459          7.0  8.0         1.0   0        0
## 460          2.0  5.0         1.0   0        0
## 461          7.0  5.0         1.0   0        0
## 462          3.0  4.0         1.0   0        0
## 463          3.0  6.0         2.0   0        0
## 464          3.0  8.0         2.0   0        0
## 465          3.0  8.0         4.0   0        1
## 466          3.0  7.0         2.0   0        1
## 467          7.0  7.0         6.0   1        1
## 468          3.0  7.0         1.0   1        0
## 469          3.0  6.0         2.0   0        0
## 470          5.0  2.0         1.0   0        0
## 471          5.0  5.0         1.0   0        0
## 472          8.0  9.0         6.0   1        1
## 473          8.0  7.0         6.0   0        1
## 474           NA  5.0         5.0   0        0
## 475           NA  6.5         6.0   0        1
## 476          5.0  8.0         7.0   0        1
## 477          1.0  2.0         1.0   0        0
## 478          1.0  5.0         1.0   0        0
## 479           NA  5.0         2.0   0        0
## 480          7.0  7.0         5.0   0        1
## 481          5.0  7.0         3.0   0        1
## 482           NA  6.0         3.0   0        0
## 483           NA  7.0         5.0   0        1
## 484           NA  1.0         1.0   1        0
## 485           NA  6.0         2.0   0        1
## 486           NA  7.0         5.0   0        1
## 487           NA  5.0         3.0  NA        0
```

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```
## 488                       NA  7.0          3.0   0       0
## 489                      7.0  4.0          1.0   0       0
## 490                      4.0  3.0          1.0   0       0
## 491                      3.0  1.0          1.0   0       0
## 492                      5.0  2.0          3.0   0       0
## 493                      4.0  3.0          1.0   0       0
## 494                      4.0  3.0          1.0   0       0
## 495                      5.0  5.0          2.0   0       0
## 496                      3.0  1.0           NA   0       0
## 497                      4.0  2.0          1.0   0       0
## 498                      3.0  2.0          1.0   0       0
## 499                      4.0  5.0          1.0   0       0
## 500                      3.0  6.0          1.0   0       0
## 501                      4.0  5.0          2.0   0       0
## 502                      3.0  3.0          1.0   0       0
## 503                      4.0  3.0          2.0   0       0
## 504                      3.0  1.0          1.0   0       0
## 505                      7.0  3.0          1.0   0       0
## 506                      4.0  3.0          1.0   0       0
## 507                       NA  5.0           NA   0       0
## 508                       NA  5.0           NA   0       0
## 509                       NA  5.0           NA   0       0
## 510                       NA  5.0           NA   0       0
## 511                       NA  5.0           NA   0       1
## 512                       NA  5.0           NA   0       1
## 513                       NA  8.0           NA   0       1
## 514                       NA  8.0           NA   0       0
## 515                       NA  7.0           NA   0       0
## 516                       NA  8.0           NA   0       0
## 517                       NA  8.0           NA   0       0
## 518                       NA  8.0           NA   0       1
## 519                       NA  8.0           NA   0       1
## 520                       NA   NA           NA   0       0
## 521                       NA   NA           NA   0       0
## 522                       NA   NA           NA   0       0
## 523                       NA   NA           NA   0       0
## 524                       NA   NA          1.0   0       0
## 525                      2.0  6.0          7.0   0       0
## 526                      1.0  2.0          1.0   0       0
## 527                       NA  8.0          8.0   0       0
## 528                      2.0  3.0          1.0   0       0
## 529                       NA  8.0          6.0   0       1
## 530                       NA  7.0          4.0   0       1
## 531                       NA  9.0          6.0   0       1
## 532                       NA  4.0          1.0   0       0
## 533                       NA  6.0          2.0   0       0
## 534                       NA  4.0          3.0   0       0
## 535                      4.0  5.0          4.0   0       0
## 536                      6.0  6.0          2.0   0       0
## 537                      3.0  5.0          6.0   0       0
## 538                      4.0  4.0          1.0   0       0
## 539                       NA  4.0          3.0   0       0
## 540                       NA  4.0          2.0   0       0
## 541                       NA  8.0          5.0   0       0
```

```
## 542                    5.0  6.0          2.0    0        0
## 543                    2.0  5.0          2.0    0        0
## 544                    1.0  5.0          2.0    0        0
## 545                    2.0  6.0          4.0    1        1
## 546                    2.0  5.0          5.0    0        0
## 547                    1.0  6.0          1.0    0        1
## 548                    2.0  5.0          4.0    0        1
## 549                    5.0  6.0          2.0    0        1
## 550                    5.0  5.0          2.0    0        0
## 551                    1.0  3.0          2.0    0        0
## 552                    3.0  6.0          2.0    0        1
## 553                    3.0  6.0          1.0    0        0
## 554                    4.0  4.0          3.0    0        0
## 555                    2.0  6.0          2.0    0        0
## 556                    5.0  5.0          1.0    0        1
## 557                    4.0  5.0          4.0    0        1
## 558                    4.0  4.0          1.0    0        0
## 559                    2.0  5.0          2.0    0        0
## 560                    3.0  6.0          4.0    0        0
## 561                    7.0  8.0          8.0    0        1
## 562                    5.0  6.0          5.0    0        1
## 563                    8.0  8.0          8.0    1        1
## 564                    8.0  8.0          6.0    0        1
## 565                    4.0  7.0          6.0    0        1
## 566                    7.0  9.0          7.0    0        1
## 567                    5.0  7.0          6.0    0        1
## 568                    5.0  7.0          5.0    0        1
## 569                    7.0  8.0          7.0    0        1
## 570                    7.0  9.0          7.0    0        1
## 571                    8.0  9.0          8.0    0        1
## 572                    8.0  6.0          6.0    0        1
## 573                    6.0  8.0          8.0    0        1
## 574                    6.0  8.0          7.0    0        1
## 575                    7.0  9.0          8.0    0        1
## 576                    5.0  6.0          5.0    0        1
## 577                    5.0  7.0          6.0    0        1
## 578                    4.0  5.0          5.0    0        1
## 579                    6.0  7.0          7.0    0        1
## 580                    5.0  6.0          5.0    0        1
## 581                    6.0  7.0          7.0    0        1
## 582                    5.0  5.0          6.0    0        1
## 583                    6.0  7.0          7.0    0        1
## 584                    7.0  8.0          7.0    0        1
## 585                    7.0  8.0          7.0    0        1
## 586                    6.0  7.0          7.0    0        1
## 587                    5.0  6.0          6.0    0        1
## 588                    6.0  8.0          7.0    0        1
## 589                    7.0  7.0          7.0    0        1
## 590                    5.0  6.0          7.0    0        0
## 591                    7.0  7.0          7.0    0        1
## 592                    7.0  7.0          7.0    0        1
## 593                    7.0  7.0          7.0    0        1
## 594                    6.0  7.0          7.0    0        1
## 595                    7.0  7.0          7.0    0        1
```

```
## 596                   5.0  5.0        7.0   0        0
## 597                   8.0  8.0        6.0   0        0
## 598                   5.0  5.0        5.0   0        0
## 599                   9.0  8.0        6.0   0        0
## 600                   9.0  8.0        5.0   0        0
## 601                   8.0  9.5        6.0   1        1
## 602                   8.0  9.5        7.0   0        1
## 603                   9.0  9.5        7.0   0        1
## 604                   7.0  7.0        6.0   NA       0
## 605                   6.0  7.0        5.0   0        0
## 606                   8.0  8.0        5.0   0        1
## 607                   7.0  8.0        7.0   0        1
## 608                   8.0  7.0        5.0   0        0
## 609                   7.0  8.0        6.0   0        1
## 610                   8.0  8.0        5.0   0        1
## 611                   7.0  6.0        4.0   0        0
## 612                   7.0  7.0        4.0   0        0
## 613                   7.0  8.0        5.0   0        1
## 614                   6.0  8.0        5.0   0        0
## 615                   7.0  5.0        6.0   0        1
## 616                   3.0  4.0        6.0   0        1
## 617                   4.0  6.0        5.0   0        1
## 618                   4.0  6.0        6.0   0        1
## 619                   2.0  6.0        5.0   0        1
## 620                   6.0  6.0        6.0   0        1
## 621                   5.0  7.0        6.0   0        1
## 622                   2.0  6.0        5.0   NA       0
## 623                   3.0  6.0        6.0   0        0
## 624                   5.0  6.0        2.0   0        1
## 625                   5.0  6.0        4.0   0        1
## 626                   3.0  6.0        6.0   0        1
## 627                   6.0  6.0        6.0   0        1
## 628                   4.0  6.0        3.0   0        1
## 629                   4.0  5.0        6.0   0        1
## 630                   3.0  4.0        4.0   0        0
## 631                   6.0  6.0        5.0   0        1
## 632                   6.0  5.0        6.0   0        1
## 633                   3.0  4.0        2.0   0        0
## 634                   3.0  5.0        1.0   0        0
## 635                   3.0  3.0        2.0   0        0
## 636                   3.0  5.0        3.0   0        0
## 637                   5.0  8.0        7.0   0        1
## 638                   8.0  9.0        8.0   0        1
## 639                   7.0  7.0        6.0   0        1
## 640                   3.0  5.0        7.0   0        0
## 641                   3.0  4.0        4.0   0        0
## 642                    NA  8.0        5.0   0        1
## 643                   3.0  4.0        3.0   0        0
## 644                   3.0  5.0        5.0   0        0
## 645                   3.0  7.0        3.0   0        1
## 646                   4.0  6.0        6.0   0        0
## 647                   4.0  6.0        7.0   0        0
## 648                   4.0  4.0        3.0   0        0
## 649                   6.0  8.0        4.0   0        0
```

```
## 650                     3.0   4.0        3.0   0        0
## 651                     4.0   6.0        6.0   0        0
## 652                      NA   7.0        4.0   0        0
## 653                     3.0   6.0        5.0   0        0
## 654                     7.0   7.0        4.0   0        1
## 655                     5.0   8.0        4.0   0        1
## 656                     8.0   8.0        6.0   0        1
## 657                     0.0   7.0        5.0   0        1
## 658                     5.0   7.0        5.0   0        1
## 659                      NA   7.0        6.0   0        1
## 660                      NA   8.0        4.0   0        1
## 661                     6.0   6.0        3.0   0        1
## 662                     7.0   8.0        6.0   0        1
## 663                     6.0   6.0        9.0   0        1
## 664                     5.0   7.0        4.0   0        1
## 665                     5.0   8.0        4.0   0        1
## 666                     3.0   7.0        4.0   0        0
## 667                     4.0   8.0        6.0   0        1
## 668                     5.0   7.0        4.0   0        0
## 669                      NA   7.0        7.0   0        0
## 670                      NA   7.0        7.0  NA        0
## 671                      NA   7.0         NA   0        0
## 672                      NA   8.5        7.0   0        1
## 673                      NA   8.0        7.0   0        1
## 674                      NA   8.0        7.0   0        1
## 675                     6.0   8.0        7.0   0        1
## 676                      NA   7.0        7.0   0        0
## 677                      NA    NA         NA   0        0
## 678                      NA   7.0        8.0   1        1
## 679                      NA   7.0        7.0   0        1
## 680                     5.0   7.0        7.0   0        0
## 681                      NA   7.0        7.0   0        1
## 682                      NA   7.0        7.0   0        1
## 683                      NA   7.0        7.0   0        0
## 684                      NA   7.0        7.0   0        0
## 685                      NA   7.0        8.0   1        1
## 687                     2.0   5.0        3.0   0        0
## 688                     1.0   2.0        1.0   0        0
## 689                     1.0   2.0        5.0   0        0
## 690                     6.0   6.0        2.0   0        1
## 691                     2.0   3.0        3.0   0        0
## 692                     2.0   6.0        6.0   0        1
## 693                     3.0   6.0        2.0   0        1
## 694                     3.0   6.0        5.0   0        0
## 695                     4.0   4.0        7.0   0        0
## 696                     5.0   6.0        5.0   0        1
## 697                     4.0   8.0        1.0   0        0
## 698                     4.0   6.0        6.0   0        0
## 699                     1.0   6.0        4.0   0        0
## 700                     1.0   3.0        2.0   0        0
## 701                     2.0   5.0        4.0   0        1
## 702                     7.0   7.0        8.0   1        0
## 703                     7.0   8.0        6.0   1        0
## 704                     9.0   9.0        8.0   1        0
```

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```
## 705                    6.0  6.0         3.0    0        0
## 706                    5.0  4.0         2.0    0        0
## 707                    5.0  5.0         2.0    0        0
## 708                    2.0  4.0         2.0    0        0
## 709                    6.0  7.0         3.0    0        1
## 710                    6.0  7.0         3.0    0        1
## 711                    7.0  7.0         3.0    0        1
## 712                    5.0  5.0         4.0    0        0
## 713                    4.0  5.0         4.0    0        0
## 714                    5.0  7.0         2.0    1        1
## 715                    5.0  7.0         3.0    0        1
## 716                    6.0  5.0         3.0    0        0
## 717                    5.0  5.0         3.0    0        0
## 718                    5.0  6.0         4.0    0        1
## 719                    5.0  6.0         3.0    0        1
## 720                    5.0  6.0         4.0    NA       1
## 721                    5.0  5.0         3.0    0        0
## 722                    5.0  5.0         2.0    0        0
## 723                    6.0  7.0         7.0    0        0
## 724                    6.0  7.0         5.0    0        0
## 725                    6.0  7.0         6.0    0        1
## 726                    7.0  7.0         7.0    0        0
## 727                    7.0  8.0         8.0    0        1
## 728                    8.0  8.0         8.0    0        1
## 729                    7.0  8.0         8.0    0        1
## 730                    6.0  7.0         7.0    0        0
## 731                    6.0  7.0         5.0    0        0
## 732                    7.0  8.0         8.0    0        1
## 733                    7.0  7.0         7.0    0        1
## 734                    7.0  7.0         8.0    0        0
## 735                    7.0  8.0         7.0    0        1
## 736                    6.0  8.0         6.0    0        1
## 737                    6.0  6.0         7.0    0        0
## 738                    7.0  7.0         7.0    0        0
## 739                    6.0  6.0         6.0    0        0
## 740                    6.0  6.0         6.0    0        0
## 741                    5.0  5.0         5.0    0        0
## 742                    5.0  6.0         4.0    0        0
## 743                    7.0  7.0         5.0    0        1
## 744                    8.0  7.0         5.0    0        1
## 745                    5.0  7.0         5.0    0        1
## 746                    6.0  7.0         4.0    0        1
## 747                    7.0  8.0         5.0    0        1
## 748                    5.0  6.0         6.0    0        0
## 749                    6.0  6.0         5.0    0        0
## 750                    7.0  7.0         6.0    0        1
## 751                    6.0  7.0         5.0    0        1
## 752                    7.0  6.0         5.0    0        0
## 753                    7.0  7.0         7.0    0        1
## 754                    7.0  7.0         6.0    0        1
## 755                    6.0  7.0         6.0    0        0
## 756                    6.0  7.0         5.0    0        0
## 757                    6.0  6.0         3.0    0        0
## 758                    5.0  6.0         5.0    0        0
```

```
## 759                5.0   6.0           6.0   0           0
## 760                8.0   7.0           7.0   0           0
## 761                7.0   7.0           7.0   0           0
## 762                6.0   8.0           6.0   0           1
## 763                8.0   9.0           6.0   0           1
## 764                8.0   9.0           7.0   0           1
## 765                8.0  10.0           7.0   0           1
## 766                6.0   7.0           8.0   0           0
## 767               10.0   8.0           9.0   0           1
## 768                8.0  10.0          10.0   1           1
## 769                7.0   8.0           7.0   0           0
## 770                7.0   8.0           7.0   0           0
## 771                9.0  10.0          10.0   0           1
## 772                8.0   8.0           5.0   0           1
## 773                7.0   7.0           8.0   0           1
## 774                 NA   7.0           7.0   0           0
## 775               10.0  10.0          10.0   1           1
## 776                9.0   8.0           9.0   0           0
## 777                3.0   2.0           5.0   0           0
## 778                7.0   5.0           6.0   0           0
## 779                2.0   2.0           2.0  NA           0
## 780                6.0   6.0           6.0   0           1
## 781                7.0   9.0           9.0   0           1
## 782                7.0   5.0          10.0   0           0
## 783                4.0   3.0          10.0   0           0
## 784                7.0   6.0           8.0   0           1
## 785                2.0   3.0           3.0   0           0
## 786                3.0   3.0           6.0   0           0
## 787                7.0   8.0           7.0   0           0
## 788                1.0   5.0           5.0   0           0
## 789                7.0   8.0           7.0   0           0
## 790                9.0   9.0           7.0   0           0
## 791               10.0  10.0           8.0   0           1
## 792                7.0   8.0           7.0   0           1
## 793                9.0   8.0           7.0   0           1
## 794                9.0   8.0           7.0   0           1
## 795               10.0   9.0           8.0   3           0
## 796                7.0   8.0           8.0   0           0
## 797                 NA   8.0           5.0   0           1
## 798                3.0   4.0           2.0   0           0
## 799                1.0   2.0           1.0   0           0
## 800                4.0   9.0           6.0   0           1
## 801                8.0   6.0           2.0   0           0
## 802                2.0   3.0           1.0   0           0
## 803                3.0   3.0           1.0   0           0
## 804                4.0   8.0           4.0   0           1
## 805                8.0   8.0           8.0   0           1
## 806                5.0   7.0           3.0   0           0
## 807                3.0   5.0           4.0   0           0
## 808                3.0   5.0           4.0   0           0
## 809                6.0   5.0           3.0   0           0
## 810                5.0   8.0           4.0   0           1
## 811                4.0   5.0           2.0   0           0
## 812                5.0   6.0           4.0   0           1
```

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```
## 813                         5.0  6.0        4.0   0       0
## 814                         4.0  4.0        2.0   0       0
## 815                         4.0  7.0        5.0   0       0
## 816                         5.0  7.0        4.0   0       1
## 817                         6.0  6.0        7.0   0       0
## 818                         8.0  8.0        8.0   1       1
## 819                         6.0  6.0        5.0   0       0
## 820                         8.0  8.0        8.0   0       1
## 821                         7.0  7.0        7.0   0       0
## 822                         8.0  8.0        8.0   0       0
## 823                         7.0  7.0        7.0   NA      0
## 824                         7.0  7.0        8.0   0       0
## 825                         8.0  7.0        7.0   0       1
## 826                         6.0  6.0        7.0   0       0
## 827                         2.0  6.0        5.0   0       1
## 828                         5.0  7.0        5.0   1       1
## 829                         5.0  6.0        3.0   0       1
## 830                         5.0  6.0        5.0   0       1
## 831                         5.0  8.0        4.0   0       1
## 832                         1.0  1.0        1.0   0       0
## 833                         1.0  1.0        3.0   0       0
## 834                         5.0  3.0        1.0   0       0
## 835                         3.0  5.0        5.0   0       0
## 836                         2.0  3.0        5.0   0       0
## 837                         5.0  7.0        5.0   0       1
## 838                         5.0  6.0        5.0   0       1
## 839                         3.0  4.0        2.0   0       0
## 840                         4.0  7.0        5.0   0       1
## 841                         4.0  5.0        3.0   0       0
## 842                         5.0  6.0        4.0   0       1
## 843                         6.0  6.0        4.0   0       1
## 844                         4.0  5.0        3.0   NA      1
## 845                         4.0  5.0        4.0   0       0
## 846                         5.0  6.0        5.0   0       1
## 847                         6.0  6.0        6.0   0       0
## 848                         6.0  6.0        5.0   0       0
## 849                         6.0  6.0        5.0   0       0
## 850                         6.0  6.0        6.0   0       0
## 851                         6.0  6.0        5.0   0       0
## 852                         5.0  5.0        4.0   0       0
## 853                         7.0  6.0        5.0   0       0
## 854                         5.0  6.0        6.0   0       0
## 855                         5.0  6.0        6.0   0       0
## 856                         5.0  5.0        4.0   0       0
## 857                         5.0  6.0        6.0   0       1
## 858                         5.0  5.0        5.0   0       0
## 859                         6.0  6.0        6.0   0       1
## 860                         5.0  4.0        6.0   0       0
## 861                         5.0  8.0        5.0   0       1
## 862                         4.0  5.0        6.0   0       0
## 863                         4.0  4.0        5.0   0       0
## 864                         8.0  8.0        7.0   0       1
## 865                         5.0  7.0        5.0   0       1
## 866                         1.0  5.0        1.0   0       0
```

```
## 867          6.0  6.0          5.0   0       0
## 868          2.0  1.0          5.0   0       0
## 869         10.0 10.0         10.0   1       1
## 870          5.0  5.0          5.0   1       1
## 871          6.0  6.0          5.0   0       0
## 872          7.0  6.0          5.0   0       1
## 873          3.0  5.0          0.0   0       0
## 874          4.0  4.0          0.0   0       0
## 875          4.0  4.0          5.0   0       0
## 876          2.0  5.0          0.0   0       0
## 877          4.0  7.0          3.0   0       1
## 878          3.0  6.0          5.0   0       0
## 879          2.0  4.0          0.0   0       0
## 880          3.0  6.0          5.0   0       0
## 881           NA  6.0          4.0   0       1
## 882           NA  4.0          2.0   0       0
## 883           NA  3.0          3.0   0       0
## 884          3.0  4.0          4.0   0       0
## 885           NA  7.0          4.0   0       1
## 886           NA  5.0          3.0   0       0
## 887          1.0  4.0          3.0   0       0
## 888          2.0  5.0          4.0   0       0
## 889          5.0  8.0          3.0   0       1
## 890          4.0  7.0          2.0   0       0
## 891          5.0  7.0          2.0   0       0
## 892          5.0  6.0          2.0   0       0
## 893          7.0  7.0          2.0   0       0
## 894          4.0  7.0          2.0   0       0
## 895          5.0  6.0          2.0   0       0
## 896          8.0  7.0          3.0   0       0
## 897          6.0  8.0          1.0   0       1
## 898          6.0  9.0          3.0   0       1
## 899          1.0  2.0          0.0   0       0
## 900          2.0  8.0          0.0   0       1
## 901           NA  9.0          0.0   0       0
## 902           NA  5.0          0.0   0       0
## 903          5.0  6.0          0.0   0       0
## 904          6.0  7.0          1.0   0       1
## 905          5.0  6.0          7.0   0       1
## 906          7.0  6.0          6.0   0       0
## 907          5.0  5.0          6.0   0       0
## 908          5.0  6.0          7.0   0       0
## 909          7.0  7.0          5.0   0       1
## 910          6.0  6.0          6.0   0       0
## 911          6.0  5.0          5.0   0       0
## 912          7.0  7.0          7.0   0       0
## 913          5.0  5.0          5.0   0       0
## 914          5.0  5.0          6.0   0       0
## 915          5.0  5.0          7.0   0       0
## 916          5.0  3.0          3.0  NA       0
## 917          5.0  7.0          6.0   0       1
## 918          5.0  2.0          7.0   0       0
## 919          5.0  3.0          1.0   0       0
## 920          5.0  6.0          5.0   0       0
```

```
## 921         5.0  7.0        1.0  0     0
## 922         5.0  5.0        2.0  0     0
## 923         5.0  5.0        1.0  0     0
## 924         7.0  7.0        6.0  0     0
## 925         8.0  9.0        6.0  0     1
## 926         5.0  6.0        3.0  0     0
## 927         8.0  8.0        7.0  0     1
## 928         6.0  6.0        3.0  0     0
## 929         5.0  6.0        5.0  0     1
## 930         5.0  6.0        5.0  0     1
## 931         5.0  5.0        5.0  0     1
## 932         7.0  6.0        6.0  0     1
## 933         5.0  6.0        5.0  0     1
## 934         5.0  5.0        5.0  0     0
## 935         5.0  6.0        7.0  0     1
## 936         5.0  6.0        7.0  0     1
## 937          NA  5.0        5.0  0     1
## 938          NA  2.0        2.0  0     0
## 939          NA  2.0        2.0  0     0
## 940          NA 10.0        7.0  0     1
## 941          NA  2.0        2.0  0     0
## 942          NA  2.0        2.0  0     1
## 943          NA  1.0        1.0  0     0
## 944          NA  2.0        2.0  NA    0
## 945         3.0  2.0        2.0  0     0
## 946          NA  2.0        2.0  0     0
## 947          NA  2.0        2.0  0     0
## 948          NA  5.0        5.0  0     1
## 949          NA  5.0        5.0  0     1
## 950         8.0 10.0        5.0  0     1
## 951         8.0  5.0        5.0  0     1
## 952          NA  5.0        5.0  0     1
## 953          NA  5.0        5.0  0     1
## 954          NA  5.0        5.0  0     1
## 955         7.0  8.0        4.0  0     1
## 956         7.0  4.0        6.0  0     0
## 957         2.0  4.0        1.0  0     0
## 958         7.0  6.0        4.0  0     1
## 959         5.0  8.0        5.0  0     1
## 960         9.0 10.0        5.0  0     1
## 961          NA  4.0        7.0  0     0
## 962         2.0  3.0        6.0  0     0
## 963         6.0  7.0        6.0  0     1
## 964         7.0  8.0        5.0  0     1
## 965         6.0  4.0        3.0  0     0
## 966         8.0  9.0        5.0  0     1
## 967         4.0  4.0        5.0  0     0
## 968        10.0 10.0        7.0  0     1
## 969         5.0  8.0        6.0  0     1
## 970         7.0  7.0        4.0  0     0
## 971         8.0  8.0        4.0  0     1
## 972         2.0  3.0        2.0  0     0
## 973         2.0  5.0        1.0  0     0
## 974         6.0  5.0        1.0  0     0
```

```
## 975           2.0  7.0        2.0   0        0
## 976           2.0  4.0        1.0   0        0
## 977           2.0  7.0        2.0   0        0
## 978           9.0  8.0        2.0   0        1
## 979            NA  5.0        1.0   0        0
## 980           2.0  5.0        2.0   0        0
## 981           8.0  8.0        2.0   0        0
## 982            NA  7.0        2.0   0        1
## 983           5.0  7.0        1.0   0        0
## 984           7.0  7.0        1.0   0        1
## 985            NA  9.0        1.0   0        1
## 986           9.0 10.0        1.0   0        1
## 987           2.0  5.0        1.0   0        0
## 988           6.0  9.0        3.0   0        1
## 989           8.0  2.0        1.0   0        0
## 990            NA  8.0        2.0   0        0
## 991           5.0  5.0        5.0   0        0
## 992           4.0  5.0        5.0   0        0
## 993           5.0  7.0        5.0   1        0
## 994           7.0  7.0        5.0   0        1
## 995           2.0  2.0        2.0   0        0
## 996           7.0  7.0        5.0   0        0
## 997           4.0  5.0        5.0   0        0
## 998           5.0  5.0        5.0   0        0
## 999           2.0  2.0        2.0   0        0
## 1000          5.0  5.0        5.0   0        0
## 1001          7.0  7.0        6.0   5        1
## 1002          6.0  6.0        5.0   0        1
## 1003          5.0  5.0        5.0   0        0
## 1004          6.0  6.0        5.0   0        1
## 1005          6.0  7.0        5.0   1        1
## 1006          5.0  5.0        5.0   0        0
## 1007          4.0  4.0        4.0   0        0
## 1008          6.0  7.0        5.0   0        0
## 1009          7.0  5.0        5.0   0        0
## 1010          8.0  8.0        8.0   0        0
## 1011          7.0  7.0        8.0   0        0
## 1012          8.0  8.0        7.0   0        1
## 1013          5.0  6.0        6.0  NA        0
## 1014          7.0  7.0        2.0   0        1
## 1015          7.0  7.0        7.0   0        0
## 1016          6.0  7.0        8.0   0        0
## 1017          9.0  9.0        8.0   1        1
## 1018          8.0  7.0        7.0   0        1
## 1019          7.0  7.0        7.0   1        1
## 1020          8.0  9.0        8.0   0        1
## 1021           NA  7.0        6.0   0        0
## 1022          8.0  7.0        9.0   0        0
## 1023          8.0  8.0        8.0   0        1
## 1024          8.0  8.0        8.0   0        1
## 1025          8.0  8.0        7.0   0        0
## 1026          8.0  8.0        8.0   0        0
## 1027          6.0  8.0        8.0   0        0
## 1028          6.0  6.0        8.0   0        0
```

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```
## 1029               4.0   5.0          6.0     0          0
## 1030               6.0   6.0          5.0     0          0
## 1031               3.0   5.0          2.0     0          0
## 1032               8.0   9.0          7.0     0          1
## 1033               5.0   7.0          8.0     0          0
## 1034               2.0   4.0          3.0     0          0
## 1035               1.0   2.0          5.0     0          0
## 1036               6.0   7.0          8.0     0          0
## 1037               7.0   8.0          8.0     0          1
## 1038               7.0   7.0          7.0     0          0
## 1039               3.0   7.0          2.0     0          0
## 1040               4.0   8.0         10.0     0          0
## 1041               7.0   8.0          9.0     0          1
## 1042               7.0   7.0          7.0     0          0
## 1043               6.0   6.0          2.0     0          0
## 1044               5.0   6.0          8.0     0          0
## 1045               8.0   8.0          8.0     0          1
## 1046               4.0   6.0          7.0     0          0
## 1047               7.0   8.0          8.0     0          0
## 1048               8.0   7.0          7.0     0          0
## 1049               6.0   9.0          7.0     0          0
## 1050              10.0   9.0          8.0     0          1
## 1051               8.0   9.0          8.0     0          1
## 1052               7.0   9.0          8.0     0          0
## 1053               6.0   7.0          8.0     0          0
## 1054               7.0   7.0          7.0     0          0
## 1055               7.0   8.0          7.0     0          0
## 1056               8.0   9.0          8.0     0          1
## 1057               7.0   8.0          8.0     0          0
## 1058               9.0  10.0          8.0     0          1
## 1059              10.0   8.0          8.0     0          1
## 1060               8.0   9.0          8.0     0          1
## 1061               6.0   8.0          7.0     0          0
## 1062               7.0   8.0          8.0     0          0
## 1063               8.0   5.0          3.0     0          0
## 1064               8.0   6.0          4.0     0          0
## 1065               6.0   5.0          2.0     0          0
## 1066               6.0   5.0          4.0     0          0
## 1067               4.0   5.0          2.0     0          0
## 1068               7.0   7.0          4.0     0          1
## 1069               3.0   4.0          2.0     0          0
## 1070               6.0   7.0          3.0     0          0
## 1071               4.0   6.0          3.0     0          0
## 1072               8.0   7.0          4.0     0          0
## 1073               6.0   3.0          3.0     0          0
## 1074               8.0   4.0          3.0     0          0
## 1075               8.0   4.0          3.0     0          0
## 1076               8.0   4.0          3.0     0          1
## 1077               5.0   5.0          4.0     0          0
## 1078               8.0   6.0          3.0     0          0
## 1079               6.0   4.0          2.0     0          0
## 1080               8.0   4.0          3.0     0          0
## 1081               3.0   0.0          3.0     0          0
## 1082               4.0   6.0          6.0     0          0
```

```
## 1083                    5.0  6.0              4.0    0       0
## 1084                    3.0  4.0              3.0    0       0
## 1085                    2.0  4.0              6.0    0       0
## 1086                    7.0  7.0              5.0    0       1
## 1087                    5.0  3.0              4.0    0       0
## 1088                    5.0  4.0              5.0    0       0
## 1089                    3.0  4.0              3.0    0       0
## 1090                    5.0  4.0              6.0    0       0
## 1091                    2.0  4.0              0.0    0       0
## 1092                    5.0  7.0              5.0    0       1
## 1093                    5.0  5.0              4.0    0       0
## 1094                    6.0  7.0              7.0    0       0
## 1095                    6.0  7.0              7.0    0       1
## 1096                    5.0  6.0              0.0    0       0
## 1097                    4.0  1.0              0.0    0       0
## 1098                    4.0  4.0              4.0    0       0
## 1099                    1.0  1.0              3.0    0       0
## 1100                    2.0  4.0              5.0    0       0
## 1101                    2.0  3.0              3.0    0       0
## 1102                    4.0  7.0              7.0    0       1
## 1103                    1.0  3.0              4.0    0       0
## 1104                    5.0  7.0              6.0    0       1
## 1105                    3.0  7.0              6.0    0       0
## 1106                    3.0  3.0              4.0    0       0
## 1107                    3.0  5.0              5.0    0       0
## 1108                    3.0  6.0              6.0    0       0
## 1109                    5.0  7.0              5.0    0       1
## 1110                    2.0  6.0              4.0    0       0
## 1111                    2.0  6.0              5.0    0       0
## 1112                    5.0  6.0              6.0    0       1
## 1113                    1.0  5.0              5.0    0       0
## 1114                    2.0  6.0              6.0    0       0
## 1115                    3.0  5.0              5.0    0       0
## 1116                    1.0  3.0              6.0    0       0
## 1117                     NA  7.0              5.0    0       0
## 1118                    6.0  6.0              6.0    0       0
## 1119                     NA  5.0              5.0    0       0
## 1120                    6.0  7.0              5.0    0       1
## 1121                    5.0  6.0              5.0    0       0
## 1122                    5.0  6.0              5.0    0       1
## 1123                    5.0  6.0              5.0    0       1
## 1124                    4.0  6.0              6.0    0       0
## 1125                    4.0  6.0              4.0    0       0
## 1126                    3.0  5.0              4.0    0       0
## 1127                    7.0  8.0              5.0    0       1
## 1128                    6.0  7.0              6.0    0       1
## 1129                    6.0  7.0              7.0    0       1
## 1130                    8.0  5.0              2.0    0       1
## 1131                    5.0  9.0              4.0    0       1
## 1132                    7.0  7.0              5.0    0       1
## 1133                    8.0  8.0              6.0    0       1
## 1134                     NA  5.0              5.0    0       0
## 1135                    1.0  1.0              4.0    0       0
## 1136                    1.0  1.0              5.0    0       0
```

```
## 1137           4.0  1.0        7.0    0        0
## 1138           3.0  3.0        6.0    0        0
## 1139           7.0  7.0        4.0    0        0
## 1140           7.0  6.0        8.0    0        1
## 1141           5.0  4.0        9.0    0        0
## 1142           1.0  1.0        7.0    0        0
## 1143           2.0  1.0        7.0    0        0
## 1144           1.0  2.0        6.0    0        0
## 1145           2.0  2.0        5.0    0        0
## 1146           4.0  2.0        5.0    0        0
## 1147           3.0  1.0        6.0    0        0
## 1148           8.0  8.0        8.0    0        1
## 1149           5.0  5.0        9.0    0        0
## 1150           4.0  4.0        5.0    0        0
## 1151           2.0  5.0        7.0    0        0
## 1152           3.0  2.0        7.0    0        0
## 1153           4.0  2.0        2.0    0        0
## 1154           5.0  4.0        8.0    0        0
## 1155           3.0  3.0        5.0    0        0
## 1156           7.0  6.0        5.0    0        0
## 1157          10.0  6.0        8.0    0        0
## 1158           8.0 10.0        8.0    0        1
## 1159           9.0  7.0        8.0    0        0
## 1160           2.0  3.0        4.0    0        0
## 1161           1.0  2.0        4.0    0        0
## 1162           3.0  4.0        7.0    0        0
## 1163           3.0  6.0        7.0    0        0
## 1164           8.0  8.0        6.0    0        0
## 1165           3.0  7.0        2.0    0        0
## 1166           6.0  7.0        8.0    0        0
## 1167           8.0  7.0        8.0    0        0
## 1168          10.0  9.0        9.0    0        0
## 1169           8.0  7.0        8.0    0        0
## 1170           7.0  9.0        7.0    0        0
## 1171           6.0  6.0        5.0    0        0
## 1172           6.0  6.0        5.0    0        0
## 1173           6.0  8.0        5.0    0        0
## 1174           5.0  2.0        5.0    0        0
## 1175           5.0  5.0        5.0    0        0
## 1176           9.0  9.0       10.0    0        1
## 1177           9.0 10.0       10.0    0        1
## 1178           6.0  5.0        5.0    0        0
## 1179           5.0  5.0        5.0    0        0
## 1180           5.0  8.0        5.0    0        0
## 1181           7.0  9.0        5.0    0        1
## 1182           5.0  5.0        5.0    0        0
## 1183           5.0  9.0        5.0    0        0
## 1184           6.0  8.0        5.0    0        0
## 1185           7.0  8.0        5.0    0        0
## 1186           6.0  8.0        5.0    0        0
## 1187           6.0  8.0        5.0    0        0
## 1188           6.0  8.0        5.0    0        0
## 1189           0.0  2.0        0.0    0        0
## 1190           4.0  8.0        3.0    0        1
```

```
## 1191          7.0  6.0          0.0   0        0
## 1192          5.0  7.0          3.0   0        1
## 1193          3.0  5.0          0.0   0        0
## 1194          4.0  7.0          4.0   0        1
## 1195          4.0  6.0          1.0   0        1
## 1196          4.0  4.0          1.0   0        0
## 1197          5.0  5.0          4.0   0        0
## 1198          4.0  4.0          0.0   0        0
## 1199          7.0  8.0          0.0   1        1
## 1200          6.0  5.0          4.0   0        0
## 1201          5.0  6.0          3.0   0        1
## 1202          6.0  6.0          0.0   0        1
## 1203          5.0  7.0          2.0   0        1
## 1204          7.0  7.0          2.0   0        1
## 1205          7.0  5.0          0.0   0        0
## 1206          8.0  5.0          4.0   0        0
## 1207           NA  5.0          3.0   0        0
## 1208           NA  4.0          5.0   0        0
## 1209          5.0  5.0          2.0   0        0
## 1210           NA  6.0          2.0   0        1
## 1211          3.0  6.0          2.0   0        0
## 1212           NA  8.0          6.0   1        1
## 1213           NA  6.0          2.0   0        0
## 1214          4.0  4.0          2.0   0        0
## 1215          3.0  5.0          2.0   0        0
## 1216           NA  7.0          3.0   0        1
## 1217           NA  7.0          2.0   0        1
## 1218         10.0   NA          8.0   0        1
## 1219           NA  8.0          5.0   0        1
## 1220           NA  8.0          5.0   0        1
## 1221          7.0  3.0          2.0   0        0
## 1222           NA  7.0          3.0   0        1
## 1223           NA  7.0          3.0   0        1
## 1224           NA  7.0          2.0   0        0
## 1225          5.0  3.0          3.0   0        0
## 1226          3.0  4.0          5.0   0        0
## 1227          5.0  6.0          7.0   0        0
## 1228         10.0  9.0          8.0   0        1
## 1229          6.0  7.0          7.0   0        1
## 1230          9.0  9.0          9.0   0        1
## 1231          5.0  6.0          6.0   0        0
## 1232          8.0  7.0          9.0   0        0
## 1233          6.0  7.0          5.0   0        0
## 1234          5.0  5.0          3.0   0        0
## 1235          7.0  6.0          5.0   0        0
## 1236          8.0  7.0          6.0   0        1
## 1237          7.0  7.0          6.0   0        0
## 1238          9.0  8.0          8.0   0        1
## 1239          9.0  8.0          9.0   0        1
## 1240          7.0  7.0          8.0   0        1
## 1241          5.0  7.0          8.0   0        1
## 1242          5.0  6.0          5.0   0        0
## 1243          6.0  7.0          5.0   0        0
## 1244          7.0  8.0          6.0   0        1
```

```
## 1245                          6.0  6.0              4.0    0        0
## 1246                           NA  8.0              6.0    0        1
## 1247                          5.0  6.0              4.0    0        0
## 1248                          6.0  7.0               NA    0        1
## 1249                          7.0  7.5              6.0    0        1
## 1250                          6.0  6.5              6.0    0        0
## 1251                          6.0  6.5              6.0    0        0
## 1252                          7.0  7.0              6.0    0        1
## 1253                          8.0  8.0              6.0    0        1
## 1254                          6.0  7.0              6.0    0        0
## 1255                          7.0  7.0              6.0    0        0
## 1256                          6.0  7.0              6.0    0        0
## 1257                          6.0  7.0              4.0    0        0
## 1258                          6.0  7.0              6.0    0        0
## 1259                          6.0  7.0              6.0    0        0
## 1260                          7.0  7.0              7.0    0        1
## 1261                          6.0  7.0              7.0    0        1
## 1262                          5.0  7.0              7.0    0        1
## 1263                          3.0  5.0              3.0    0        0
## 1264                          9.0  8.0              6.0    0        0
## 1265                          5.0  5.0              5.0    0        0
## 1266                          6.0  8.0              6.0    0        1
## 1267                          6.0  8.0              7.0    0        1
## 1268                          5.0  6.0              5.0    0        1
## 1269                          5.0  5.0              5.0    0        0
## 1270                          5.0  5.0              5.0    0        0
## 1271                          6.0  6.0              7.0    0        1
## 1272                          5.0  6.0              7.0    0        0
## 1273                          5.0  5.0              5.0    0        0
## 1274                          5.0  5.0              5.0    1        0
## 1275                          3.0  3.0              3.0    0        0
## 1276                          5.0  7.0              5.0    0        1
## 1277                          7.0  6.0              5.0    0        0
## 1278                          7.0  7.0              5.0    0        1
## 1279                          6.0  5.0              4.0    0        0
## 1280                          5.0  4.0              4.0    0        0
## 1281                          6.0  4.0              3.0    0        0
## 1282                          5.0  5.0              3.0    0        0
## 1283                          4.0  5.0              3.0    0        0
## 1284                          7.0  6.0              5.0    0        1
## 1285                          4.0  4.0              6.0    0        0
## 1286                          5.0  6.0              5.0    0        1
## 1287                          4.0  5.0              4.0    0        0
## 1288                          6.0  5.0              3.0    0        0
## 1289                          9.0  9.0              8.0    0        1
## 1290                          6.0  6.0              4.0    0        0
## 1291                          6.0  7.0              6.0    0        1
## 1292                          3.0  2.0              1.0    0        0
## 1293                          4.0  3.0              2.0    0        0
## 1294                          7.0  7.0              6.0    0        1
## 1295                          5.0  6.0              4.0    0        1
## 1296                          6.0  6.0              5.0    0        1
## 1297                           NA  7.0              7.0   NA        1
## 1298                           NA  7.0              5.0    0        0
```

```
## 1299            NA   6.0          6.0   0          0
## 1300            8.0  9.0          8.0   1          1
## 1301            NA   6.0          7.0   NA         0
## 1302            NA   8.0          6.0   0          1
## 1303            NA   8.0          8.0   0          1
## 1304            NA   7.0          6.0   0          0
## 1305            8.0  8.0          7.0   0          1
## 1306            NA   8.0          6.0   0          1
## 1307            8.0  9.0          7.0   0          1
## 1308            NA   7.0          5.0   0          0
## 1309            NA   7.0          5.0   0          0
## 1310            NA   7.0          7.0   0          1
## 1311            NA   6.0          7.0   0          0
## 1312            7.0  8.0          7.0   0          1
## 1313            5.0  6.0          6.0   0          0
## 1314            NA   7.0          7.0   0          1
## 1315            7.0  4.0          7.0   0          0
## 1316            6.0  6.0          4.0   0          1
## 1317            5.0  6.0          5.0   0          0
## 1318            7.0  6.0          6.0   0          0
## 1319            6.0  4.0          5.0   0          0
## 1320            7.0  6.0          7.0   0          0
## 1321            7.0  5.0          6.0   0          0
## 1322            4.0  6.0          NA    0          1
## 1323            6.0  7.0          5.0   0          1
## 1324            4.0  5.0          7.0   0          0
## 1325            7.0  7.0          7.0   0          1
## 1326            5.0  7.0          4.0   0          1
## 1327            6.0  5.0          NA    0          0
## 1328            5.0  7.0          5.0   0          1
## 1329            5.0  4.0          5.0   0          0
## 1330            6.0  8.0          5.0   0          1
## 1331            9.0  6.0          5.0   0          1
## 1332            8.0  7.0          7.0   0          1
## 1333            NA  10.0          2.0   0          1
## 1334            NA  10.0          2.0   0          1
## 1335            NA  10.0          3.0   0          1
## 1336            NA  10.0          3.0   0          1
## 1337            NA   8.0          3.0   0          1
## 1338            NA  10.0          2.0   0          1
## 1339            NA  10.0          4.0   0          1
## 1340            NA  10.0          3.0   0          1
## 1341            NA  10.0          4.0   0          1
## 1342            NA  10.0          4.0   0          1
## 1343           10.0 10.0          4.0   0          1
## 1344           10.0 10.0          3.0   0          1
## 1345           10.0 10.0          4.0   0          1
## 1346            NA   9.0          2.0   0          1
## 1347            NA  10.0          3.0   0          1
## 1348            NA  10.0          3.0   0          1
## 1349            NA  10.0          3.0   0          1
## 1350            NA  10.0          3.0   0          1
## 1351            3.0  6.0          9.0   0          0
## 1352            9.0  8.0          9.0   0          1
```

```
## 1353              4.0  5.0         5.0   0       0
## 1354              9.0  8.0         9.0   0       1
## 1355              5.0  6.0         6.0   0       0
## 1356              8.0  9.0         9.0   0       1
## 1357              2.0  8.0         8.0   0       1
## 1358              9.0  9.0         9.0   0       1
## 1359              7.0  7.0         7.0   0       0
## 1360              9.0  6.0         6.0   0       0
## 1361              5.0  6.0         8.0   0       0
## 1362              4.0  8.0         9.0   0       1
## 1363              8.0  6.0         9.0   0       0
## 1364              6.0  9.0         9.0   1       1
## 1365              0.0  5.0         6.0   NA      0
## 1366              8.0  9.0         9.0   1       1
## 1367              7.0  8.0         9.0   0       1
## 1368              7.0  8.0         9.0   NA      0
## 1369              4.0  5.0         5.0   0       0
## 1370              4.0  5.0         4.0   0       0
## 1371              8.0  7.0         6.0   0       1
## 1372              4.0  6.0         4.0   0       0
## 1373              4.0  6.0         2.0   0       0
## 1374              8.0  8.0         3.0   0       1
## 1375              7.0  7.0         5.0   0       0
## 1376              6.0  6.0         8.0   0       0
## 1377              5.0  6.0         6.0   0       0
## 1378              9.0  8.0         8.0   0       0
## 1379              8.0  8.0         3.0   0       1
## 1380              4.0  6.0         9.0   0       1
## 1381              8.0  8.0         5.0   0       0
## 1382              7.0  8.0         9.0   1       0
## 1383              2.0  4.0         1.0   0       0
## 1384              8.0  9.0         5.0   0       1
## 1385              6.0  6.0         3.0   0       0
## 1386              7.0  8.0         6.0   0       1
## 1387              6.0  7.0         4.0   0       1
## 1388               NA  6.0         3.0   0       0
## 1389               NA  6.0         2.0   0       0
## 1390               NA  7.0         6.0   0       1
## 1391               NA  7.0         6.0   0       1
## 1392               NA  7.0         5.0   0       1
## 1393              8.0  9.0         6.0   0       1
## 1394              6.0  8.0         6.0   0       1
## 1395              6.0  8.0         5.0   0       1
## 1396              7.0  7.0         6.0   0       1
## 1397              6.0  9.0         6.0   0       1
## 1398               NA  6.0         3.0   0       0
## 1399               NA  7.0         4.0   0       0
## 1400              2.0  6.0         2.0   0       0
## 1401              6.0  6.0         5.0   0       1
## 1402               NA  8.0         6.0   0       1
## 1403               NA  8.0         5.0   0       1
## 1404              7.0  9.0         6.0   0       1
## 1405              9.0  8.0         8.0   0       1
## 1406              6.0  5.0         6.0   0       0
```

```
## 1407          5.0  5.0       5.0   0        0
## 1408          3.0  4.0       4.0   0        0
## 1409         10.0 10.0       5.0   1        1
## 1410          9.0  9.0       5.0   0        1
## 1411          5.0  7.0       7.0   0        1
## 1412          6.0  9.0       8.0   0        1
## 1413          4.0  7.0       8.0   0        1
## 1414          3.0  4.0       6.0   0        0
## 1415          5.0  7.0       7.0   0        1
## 1416          3.0  7.0       4.0   0        1
## 1417          5.0  5.0       6.0   0        0
## 1418          2.0  3.0       5.0   0        0
## 1419          2.0  4.0       5.0   0        0
## 1420          7.0  8.0       7.0   0        1
## 1421          7.0  7.0       7.0   0        1
## 1422          5.0  6.0       6.0   0        1
## 1423          7.0  7.0       5.0   0        0
## 1424          5.0  6.0       4.0   0        0
## 1425          6.0  6.0       4.0   0        0
## 1426          6.0  6.0       5.0   0        0
## 1427          6.0  6.0       5.0   0        0
## 1428          8.0  8.0       7.0   0        1
## 1429          3.0  5.0       4.0   0        0
## 1430          8.0  7.0       6.0   0        1
## 1431          7.0  7.0       5.0   0        0
## 1432          7.0  7.0       5.0   0        0
## 1433          6.0  7.0       5.0   0        0
## 1434          8.0  8.0       7.0   0        1
## 1435          6.0  7.0       5.0   0        0
## 1436          5.0  7.0       6.0   0        1
## 1437          5.0  5.0       3.0   0        0
## 1438          8.0  8.0       6.0   0        1
## 1439          6.0  6.0       3.0   0        0
## 1440          6.0  7.0       5.0   0        0
## 1441          5.0  6.0       5.0   0        0
## 1442          7.0  7.0       4.0   0        0
## 1443          4.0  5.0       2.0   0        0
## 1444          4.0  8.0       6.0   0        1
## 1445          4.0  8.0       5.0   1        0
## 1446          6.0  8.0       4.0   0        1
## 1447          5.0  7.0       7.0   0        1
## 1448          5.0  7.0       5.0   0        1
## 1449          5.0  6.0       4.0   0        0
## 1450          5.0  6.0       2.0   0        0
## 1451          6.0  7.0       7.0   0        1
## 1452          5.0  6.0       4.0   0        0
## 1453          5.0  6.0       3.0   0        0
## 1454          6.0  7.0       7.0   0        1
## 1455         10.0 10.0       1.0   1        0
## 1456          6.0  7.0       5.0   0        0
## 1457          6.0  7.0       5.0   0        1
## 1458          6.0  7.0       5.0   0        1
## 1459          7.0  7.0       4.0   0        1
## 1460          7.0  7.0       3.0   0        1
```

```
## 1461            6.0  5.0         2.0    0        0
## 1462            6.0  5.0         2.0    0        0
## 1463            7.0  5.0         1.0    0        1
## 1464            5.0  7.0         1.0    0        1
## 1465            6.0  7.0         4.0    0        1
## 1466            8.0  6.0         3.0    0        1
## 1467            9.0  6.0         4.0    0        1
## 1468            7.0  6.0         4.0    0        1
## 1469            6.0  7.0         5.0    0        1
## 1470            5.0  7.0         1.0    0        1
## 1471            7.0  7.0         5.0    0        1
## 1472            5.0  7.0         5.0    0        1
## 1473            5.0  6.0         3.0    0        0
## 1474            7.0  8.0        10.0    1        1
## 1475            6.0  7.0         3.0    0        1
## 1476            5.0  7.0         4.0    0        1
## 1477             NA  3.0         2.0    0        0
## 1478             NA  8.0         5.0    0        1
## 1479             NA  8.0         2.0    0        1
## 1480            8.0  9.0         2.0    0        1
## 1481            4.0  5.0         3.0    0        0
## 1482            9.0  3.0         7.0    0        0
## 1483             NA  6.0         6.0    0        0
## 1484           10.0 10.0         7.0    0        1
## 1485            8.0 10.0         6.0    0        1
## 1486             NA  4.0         5.0    0        0
## 1487            1.0  7.0         6.0    0        0
## 1488             NA  5.0         2.0    0        0
## 1489            5.0  7.0         3.0    0        1
## 1490             NA  8.0         5.0    0        1
## 1491            4.0  7.0         7.0    0        0
## 1492           10.0 10.0         6.0    0        1
## 1493             NA  2.0         1.0    0        0
## 1494            8.0 10.0         6.0    0        1
## 1495            9.0  9.0         9.0    0        1
## 1496            7.0  6.5         7.0    0        1
## 1497            5.0  5.5         5.0    0        1
## 1498            5.0  6.0         5.0    0        1
## 1499            2.0  5.0         6.5    0        0
## 1500            8.0  9.0         7.0    0        1
## 1501            7.5  8.5         6.5    0        1
## 1502            6.5  8.0         9.0    0        1
## 1503            4.0  5.0         3.0    0        0
## 1504            8.0  7.0         6.0    0        1
## 1505            8.0  8.0         8.0    0        1
## 1506            8.5  8.0         8.0    0        1
## 1507            9.0  8.0         8.0    1        1
## 1508            4.0  7.0         6.0    0        0
## 1509            2.0  4.0         4.0    0        0
## 1510            7.0  9.0         9.0    0        1
## 1511            8.0  8.0         6.0    0        1
## 1512            9.0  8.0         6.5    0        1
## 1513            8.0  6.0         5.0    0        0
## 1514            3.0  5.0         2.0    0        0
```

```
## 1515                    3.0  5.0          3.0   0        0
## 1516                    7.0  7.0          5.0   1        1
## 1517                    2.0  6.0          6.0   0        0
## 1518                    6.0  7.0          5.0   0        1
## 1519                    4.0  6.0          4.0   0        0
## 1520                    4.0  6.0          5.0   0        0
## 1521                    5.0  7.0          5.0   0        1
## 1522                    3.0  5.0          3.0   0        0
## 1523                    5.0  8.0          2.0   0        1
## 1524                    3.0  5.0          4.0   0        0
## 1525                    4.0  7.0          6.0   0        1
## 1526                    4.0  5.0          3.0   0        0
## 1527                    3.0  5.0          4.0   0        0
## 1528                    4.0  7.0          5.0   0        1
## 1529                    2.0  6.0          4.0   0        0
## 1530                    4.0  7.0          4.0   0        1
## 1531                    7.0  8.0          5.0   0        1
## 1532                    4.0  7.0          5.0   0        1
## 1533                    3.0  7.0          5.0   0        1
## 1534                    5.0  7.0          5.0   0        1
## 1535                    5.0  7.0          5.0   0        1
## 1536                    5.0  8.0          5.0   0        1
## 1537                    5.0  8.0          5.0   0        1
## 1538                    5.0  8.0          5.0   0        1
## 1539                    7.0  8.0          5.0   0        1
## 1540                    4.0  7.0          5.0   0        1
## 1541                    8.0  7.0          5.0   0        1
## 1542                    8.0  6.0          6.0   0        1
## 1543                    7.0  5.0          5.0   0        0
## 1544                    3.0  5.0          5.0   0        0
## 1545                    3.0  5.0          5.0   0        1
## 1546                    5.0  7.0          5.0   0        1
## 1547                    3.0  8.0          5.0   0        1
## 1548                    3.0  8.0          5.0   0        1
## 1549                    3.0  7.0          6.0   0        1
## 1550                    8.0  5.0          3.0   0        0
## 1551                     NA  4.0          2.0   0        0
## 1552                     NA  5.0          2.0   0        0
## 1553                     NA  5.0          2.0   0        0
## 1554                    5.0  4.0          2.0   0        0
## 1555                    7.0  5.0          5.0   0        0
## 1556                     NA  5.0          3.0   0        0
## 1557                     NA  5.0          2.0   0        0
## 1558                     NA  6.0          4.0   0        1
## 1559                    8.0  8.0          6.0   0        1
## 1560                     NA  7.0          4.0   0        1
## 1561                    6.0  6.0          5.0   0        0
## 1562                    6.0  6.0          6.0   0        0
## 1563                     NA  5.0          6.0   0        0
## 1564                     NA  6.0          4.0   0        1
## 1565                    5.0  7.0          6.0   0        1
## 1566                    8.0  5.0          6.0   0        0
## 1567                    4.0  5.0          5.0   0        0
## 1568                    5.0  5.0          5.0   0        0
```

```
## 1569              3.0   3.0        3.0    0        0
## 1570              7.0   5.0        4.0    0        0
## 1571              5.0   4.0        4.0    0        0
## 1572              3.0   4.0        2.0    0        0
## 1573              3.0   5.0        4.0    0        0
## 1574              8.0   6.0        4.0    0        0
## 1575              3.0   5.0        5.0    0        0
## 1576              6.0   6.0        3.0    0        0
## 1577              3.0   4.0        3.0    0        0
## 1578              4.0   5.0        5.0    0        0
## 1579              4.0   4.0        3.0    0        0
## 1580              7.0   7.0        3.0    0        0
## 1581              7.0   6.0        5.0    0        0
## 1582              6.0   7.0        5.0    0        0
## 1583              4.0   4.0        4.0    0        0
## 1584              5.0   4.0        4.0    0        0
## 1585              8.0   8.0        8.0    0        1
## 1586              3.0   4.0        5.0    0        0
## 1587              1.0   1.0        2.0    0        0
## 1588              8.0   8.0        5.0    0        1
## 1589              7.0   8.0        5.0    0        1
## 1590              8.0   8.0        8.0    1        1
## 1591              9.0   9.0        9.0    0        1
## 1592              1.0   2.0        5.0    0        0
## 1593              5.0   8.0        1.0    1        1
## 1594              2.0   4.0        6.0    0        0
## 1595              1.0   1.0        4.0    0        0
## 1596              7.0   9.0        2.0    1        1
## 1597              6.0   7.0        7.0    0        1
## 1598              8.0   9.0        7.0    0        1
## 1599              4.0   6.0        8.0    0        1
## 1600              2.0   3.0        5.0    0        0
## 1601              4.0   6.0        6.0    0        1
## 1602              4.0   7.0        7.0    0        1
## 1603              3.0   2.0        2.0    0        0
## 1604              3.0   5.0        4.0    1        0
## 1605              7.0   6.0        5.0    0        0
## 1606              2.0   2.0        1.0    0        0
## 1607              5.0   8.0        8.0    0        1
## 1608              3.0   5.0        6.0    0        0
## 1609             10.0  10.0        1.0    1        0
## 1610              5.0   5.0        8.0    0        0
## 1611              2.0   2.0        6.0    1        0
## 1612             10.0  10.0       10.0    1        1
## 1613              6.0   8.0        8.0    0        0
## 1614              8.0   7.0        7.0    1        1
## 1615              7.0   8.0        8.0    0        1
## 1617             10.0  10.0       10.0    1        1
## 1618              6.0   8.0        7.0    0        1
## 1619              0.0   3.0        5.0    0        0
## 1620              8.0  10.0       10.0    1        1
## 1621              4.0   7.0        6.0    1        0
## 1622              6.0   7.0        6.0    0        1
## 1623              3.0   6.0        3.0    0        0
```

```
## 1624                0.0  5.0           6.0   0       0
## 1625               10.0  8.0           1.0   1       1
## 1626                4.0  7.0           2.0  NA       0
## 1627                3.0  2.0           1.0  NA       0
## 1628               10.0 10.0           9.0   1       1
## 1629                6.0  7.0           4.0   1       0
## 1630                5.0  7.0           2.0   0       0
## 1631                6.0  8.0           1.0   0       0
## 1633                 NA  5.0           7.0   0       0
## 1634                4.0  5.0           7.0   1       1
## 1635                 NA  4.0           7.0   0       0
## 1636                6.0  7.0           8.0  NA       1
## 1637                 NA  4.0           7.0  NA       0
## 1638                7.0  8.0           9.0   0       1
## 1639                 NA  5.0           7.0   0       1
## 1640                1.0  3.0           7.0   0       0
## 1641                5.0  6.0           8.0   0       1
## 1642                2.0  4.0           6.0   0       0
## 1643                0.0  1.0           8.0   0       0
## 1644                5.0  5.0           7.0   0       1
## 1645                6.0  7.0           8.0   0       0
## 1646                1.0  2.0           7.0   0       0
## 1647                2.0  6.0           5.0   0       1
## 1648                2.0  5.0           5.0   0       0
## 1649                8.0  9.0           1.0   0       1
## 1650                9.0  9.0           1.0   0       1
## 1651                1.0  5.0          10.0   0       0
## 1652                4.0  8.0           1.0   0       1
## 1653                9.0  9.0           1.0   0       1
## 1654                1.0  1.0           1.0   0       0
## 1655                4.0  9.0           1.0   0       1
## 1656                1.0  9.0           1.0   0       1
## 1657                9.0  9.0           7.0   0       1
## 1658               10.0 10.0           1.0   1       0
## 1659                7.0  8.0           4.0   0       0
## 1660               10.0 10.0           1.0   1       0
## 1661               10.0 10.0          10.0   1       1
## 1662               10.0 10.0           1.0   1       0
## 1663                7.0  8.0           6.0   0       1
## 1664                7.0  8.0           9.0   0       1
## 1665                6.0  7.0           7.0   0       0
## 1666                5.0  8.0           2.0   0       1
## 1667                5.0  4.0           2.0   0       0
## 1668                5.0  4.0           1.0   0       0
## 1669                4.0  4.0           2.0   0       0
## 1670                6.0  4.0           2.0   0       0
## 1671                6.0  6.0           2.0   0       0
## 1672                7.0  5.0           2.0   0       0
## 1673                4.0  5.0           8.0   1       0
## 1674                4.0  3.0           1.0   0       0
## 1675                5.0  6.0           6.0   0       1
## 1676                8.0  8.0           8.0   0       1
## 1677                7.0  7.0           2.0   1       1
## 1678                6.0  6.0           6.0   1       1
```

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```
## 1679            4.0  7.0          7.0    0        1
## 1680            5.0  7.0          8.0    0        1
## 1681            2.0  7.0          7.0    0        1
## 1682            7.0  8.0          8.0    0        0
## 1683            7.0  7.0          7.0    0        1
## 1684            7.0  8.0          8.0    0        1
## 1685            6.0  7.0          5.0    1        1
## 1686            5.0  5.0          7.0    1        0
## 1687           10.0 10.0         10.0    1        1
## 1688           10.0 10.0          9.0    1        1
## 1689           10.0 10.0          9.0    1        1
## 1690            7.0  7.0          8.0    0        1
## 1691            7.0  7.0          7.0    0        1
## 1692            2.0  3.0          5.0    0        0
## 1693            6.0  6.0          7.0    0        1
## 1694            6.0  7.0          8.0    0        1
## 1695            7.0  6.0          6.0    0        0
## 1696            5.0  5.0          5.0    0        0
## 1697            7.0  7.0          3.0    1        0
## 1698            8.0  7.0          3.0    0        0
## 1699            7.0  7.0          7.0    0        1
## 1700            8.0  7.0          7.0    0        1
## 1701            5.0  5.0          7.0    0        0
## 1702           10.0 10.0         10.0    1        1
## 1703            5.0  5.0          8.0    0        0
## 1704            2.0  3.0           NA    0        0
## 1705            8.0  7.0         10.0    1        1
## 1706            5.0  7.0          8.0    0        1
## 1707            6.0  7.0         10.0    0        1
## 1708            3.0  8.0          7.0    0        1
## 1709            6.0  7.0         10.0    0        1
## 1710            0.0  4.0          7.0    0        0
## 1711            7.0  9.0          8.0    0        1
## 1712            8.0  7.0          8.0    0        1
## 1713            7.0  7.0          8.0    0        1
## 1714            7.0  8.0          9.0    0        1
## 1715            6.0  6.0          7.0    0        1
## 1716            7.0  8.0          8.0    0        1
## 1717            8.0  8.0          7.0    0        1
## 1718            7.0  8.0          8.0    0        1
## 1719            7.0  5.0          8.0    0        0
## 1720            5.0  5.0          1.0    0        0
## 1721            5.0  5.0          1.0    0        0
## 1722            5.0  5.0          1.0    0        0
## 1724            5.0  5.0          1.0    0        0
## 1726            6.0  6.0          1.0    0        0
## 1727            2.0  5.0          1.0    0        0
## 1728            2.0  2.0           NA    0        0
## 1729            9.0  8.0          7.0    1        0
## 1730            8.0  8.0          5.0    0        0
## 1731            5.0  5.0          5.0    0        0
## 1732            8.0  9.0          7.0    1        1
## 1733            7.0  7.0          7.0    1        0
## 1734            8.0  7.0          7.0    0        0
```

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```
## 1735            6.0  6.0       5.0   0      0
## 1736            7.0  7.0       7.0   0      0
## 1737            7.0  7.0       6.0   0      0
## 1738            6.0  5.0       5.0   0      0
## 1739            8.0  9.0       6.0   0      1
## 1740            8.0  7.0       5.0   0      1
## 1741            5.0  6.0       6.0   0      0
## 1742            7.0  8.0       9.0   0      1
## 1743            4.0  5.0       2.0   0      0
## 1744            5.0  6.0       6.0   0      0
## 1745            2.0  7.0       6.0   0      1
## 1746            6.0  6.0        NA   0      1
## 1747             NA  8.0       7.0   0      1
## 1748             NA  6.0       5.0   0      1
## 1749            7.0  7.0       6.0   1      1
## 1750            5.0  7.0       6.0   0      0
## 1751            7.0  9.0       6.0   0      1
## 1752            6.0  7.0       6.0   0      1
## 1753            4.0  8.0       6.0   0      1
## 1754            1.0  1.0       1.0   0      0
## 1755            1.0  1.0       8.0   0      0
## 1756            1.0  1.0       8.0   0      0
## 1757             NA  8.0       6.0   0      1
## 1758             NA  6.0       7.0   0      1
## 1759             NA  7.0       6.0   0      1
## 1760             NA  6.0       7.0   0      0
## 1761            7.0  7.0       7.0   1      1
## 1762            6.0  6.0       6.0   0      0
## 1763             NA  6.5       7.0   0      0
## 1764            7.0  7.0       7.0   0      1
## 1765            8.0  7.0       7.0   1      1
## 1766            5.0  8.0       8.0   0      1
## 1767            5.0  7.0       7.0   0      1
## 1768            5.0  8.0       8.0   0      1
## 1769            4.0  4.0       9.0   0      0
## 1770            5.0  9.0       9.0   0      1
## 1771            6.0  8.0       7.0   0      1
## 1772            7.0  9.0       8.0   0      1
## 1773            5.0  8.0       6.0   1      1
## 1774            7.0  8.0      10.0   1      1
## 1775            6.0  7.0       6.0   0      1
## 1776            7.0  7.0       2.0   0      0
## 1777            5.0  5.0       5.0   0      0
## 1778            8.0  8.0       8.0   0      1
## 1779           10.0 10.0      10.0   0      1
## 1780           10.0 10.0       9.0   0      1
## 1781            7.0  9.0      10.0   0      0
## 1782            2.0  7.0      10.0   0      1
## 1783            8.0  8.0       8.0   0      1
## 1784            9.0  8.0       7.0   0      1
## 1785             NA  5.0       5.0   0      0
## 1786            5.0  5.0       5.0   0      0
## 1787            4.0  5.0       5.0   0      0
## 1788            6.0  8.0       5.0   0      1
```

```
## 1789       NA   7.0        4.0   0      0
## 1790      8.0   8.0        6.0   1      1
## 1791       NA   8.0        5.0   0      1
## 1792       NA   9.0        6.0   0      1
## 1793       NA   8.0        5.0   0      1
## 1794       NA   5.0        5.0   0      0
## 1795       NA   7.0        5.0   0      1
## 1796      8.0   8.0        5.0   0      1
## 1797      8.0   4.0        5.0   0      0
## 1798      8.0   9.0        8.0   0      1
## 1799       NA   9.0        8.0   0      1
## 1800       NA   7.0        5.0   0      0
## 1801      4.0   4.0        7.0   0      0
## 1802      4.0   4.0        8.0   0      0
## 1803      7.0   7.0        7.0   0      0
## 1804      9.0   9.0        5.0   1      1
## 1805      7.0   9.0        5.0   1      1
## 1806      7.0   7.0        8.0   0      0
## 1807      7.0   8.0        0.0   0      0
## 1808      5.0   6.0        8.0   0      0
## 1809      6.0   7.0        8.0   0      0
## 1810      7.0   6.0        6.0   0      0
## 1811      5.0   5.0        8.0   1      0
## 1812      7.0   7.0        6.0   1      1
## 1813      5.0   5.0        7.0   1      0
## 1814      6.0   6.0        8.0   0      0
## 1815      7.0   7.0        9.0   0      0
## 1816      6.0   6.0        8.0   0      0
## 1817      8.0   8.0        5.0   0      0
## 1818      8.0   8.0        5.0   0      0
## 1819      5.0   7.0        5.0   0      0
## 1820      7.0   9.0        1.0   1      1
## 1821      8.0   8.0        1.0   1      0
## 1822      7.0   9.0        5.0   0      1
## 1823      9.0   9.0        5.0   0      1
## 1824      4.0   2.0        5.0   0      0
## 1825      4.0   3.0        1.0   0      0
## 1826      4.0   8.0        1.0   0      0
## 1827     10.0   8.0        1.0   0      0
## 1828      5.0   7.0        1.0   1      0
## 1829     10.0   9.0        5.0   0      0
## 1830      5.0   8.0        5.0   0      0
## 1831      7.0   9.0        5.0   0      1
## 1832     10.0  10.0        6.0   0      1
## 1833       NA   4.0        3.0   0      0
## 1834       NA   7.0        5.0   0      0
## 1835       NA   7.0        8.0   0      0
## 1836       NA   6.0        3.0   0      0
## 1837       NA   5.0        2.0   0      0
## 1838       NA   6.0        3.0   0      0
## 1839      8.0  10.0       10.0   1      1
## 1840      7.0   6.0        3.0   0      0
## 1841       NA   6.0        5.0   0      0
## 1842       NA   6.0        3.0   0      0
```

```
## 1843           NA  6.0          3.0   0        0
## 1844           NA  7.0          4.0   0        0
## 1845           NA  6.0          3.0   0        0
## 1846           NA  7.0          6.0   0        0
## 1847           NA  6.0          4.0   0        0
## 1848           NA  5.0          3.0   0        0
## 1849          5.0  5.0          4.0   0        0
## 1850          4.0  5.0          4.0   0        0
## 1851          7.0  8.0         10.0   1        1
## 1852          5.0  6.0          6.0   0        1
## 1853          4.0  5.0          5.0   0        0
## 1854          8.0  8.0          6.0   0        1
## 1855          5.0  5.0          5.0   0        0
## 1856          5.0  6.0          6.0   0        1
## 1857          7.0  7.0          9.0   1        1
## 1858          5.0  6.0          5.0   0        0
## 1859          3.0  4.0          6.0   0        0
## 1860          5.0  7.0          6.0   0        1
## 1861          4.0  5.0          5.0   0        0
## 1862          3.0  5.0          5.0   0        0
## 1863          8.0 10.0         10.0   1        1
## 1864          5.0  6.0          6.0   0        0
## 1865          1.0  1.0          1.0   0        0
## 1866          1.0  2.0          1.0   0        0
## 1867          6.0  5.0          1.0   1        0
## 1868          1.0  4.0          1.0   0        0
## 1869          7.0  8.0          5.0   0        0
## 1870          7.0  8.0          5.0   0        1
## 1871          2.0  4.0          2.0   0        0
## 1872          2.0  1.0          1.0   0        0
## 1873          2.0  7.0          2.0   1        0
## 1874          2.0  6.0          1.0   0        0
## 1875          2.0  5.0          1.0   0        0
## 1876          2.0  6.0          3.0   0        1
## 1877          1.0  4.0          1.0   0        0
## 1878          5.0  9.0          3.0   0        0
## 1879          7.0  9.0          5.0   1        0
## 1880          2.0  7.0          2.0   0        0
## 1881           NA  5.0          6.0   0        0
## 1882          7.0  4.0          8.0   0        0
## 1883          6.0  8.0          6.0   0        1
## 1884          8.0  7.0          3.0   0        0
## 1885           NA  6.0          8.0   0        0
## 1886          4.0  5.0          7.0   0        0
## 1887          3.0  3.0          8.0   0        0
## 1888           NA   NA           NA   0        0
## 1889          8.0  7.0          7.0   0        1
## 1890          8.0  5.0          7.0   0        0
## 1891           NA  4.0          7.0   0        0
## 1892          8.0  7.0          7.0   0        1
## 1893           NA  4.0          8.0   0        0
## 1894           NA  7.0          6.0   0        1
## 1895          6.0  7.0           NA   0        1
## 1896           NA  6.0          5.0   0        1
```

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```
## 1897             NA  5.0        4.0  0        0
## 1898             NA  7.0         NA  0        0
## 1899            2.0  7.0        1.0  0        0
## 1900            7.0  7.0        2.0  0        0
## 1901            5.0  7.0        4.0  0        0
## 1902             NA  7.0        4.0  0        0
## 1903            7.0  7.0        5.0  0        0
## 1904             NA  7.0        4.0  0        1
## 1905             NA  5.0        4.0  0        0
## 1906            8.0  7.0        5.0  0        1
## 1907             NA  8.0        6.0  0        0
## 1908            7.0  9.0        5.0  0        1
## 1909            3.0  8.0        5.0  0        0
## 1910             NA  7.0        4.0  0        0
## 1911             NA  7.0        4.0  0        0
## 1912             NA  8.0        5.0  0        0
## 1913            1.0  2.0        3.0  0        0
## 1914            5.0  6.0        4.0  0        0
## 1915            6.0  6.0        7.0  0        0
## 1916            7.0  9.0        8.0  0        0
## 1917            9.0  8.0        8.0  0        1
## 1918            7.0  7.5        6.0  0        0
## 1919            8.0  7.0        7.0  0        0
## 1920            5.0  4.0        4.0  0        0
## 1921            6.0  5.0        6.0  0        0
## 1922            7.0  3.0        3.0  0        0
## 1923            4.0  4.0        5.0  0        0
## 1924             NA  7.0        7.0  0        0
## 1925            2.0  4.0        6.0  0        0
## 1926             NA  5.0        6.0  0        0
## 1927            8.0  7.0        7.0  0        0
## 1928           10.0  9.0        9.0  0        1
## 1929            6.0  6.0        6.0  0        0
## 1930             NA  5.0        6.0  0        0
## 1931            4.0  6.0        5.0  0        0
## 1932            9.0  8.0        7.0  0        1
## 1933            8.0  7.0        5.0  0        0
## 1934            8.0   NA         NA  NA       0
## 1935            9.0  7.0        7.0  0        1
## 1936            9.0  9.0        6.0  0        1
## 1937            7.0  5.0        4.0  0        0
## 1938            7.0   NA        8.0  0        1
## 1939            5.0  6.0        7.0  0        0
## 1940            6.0  8.0        7.0  0        1
## 1941             NA  6.0        5.0  0        0
## 1942            8.0  7.0        5.0  0        0
## 1943             NA  7.0        8.0  NA       0
## 1944            7.0  7.0        7.0  0        0
## 1945             NA  5.0        5.0  0        0
## 1946            5.0  5.0        5.0  0        1
## 1947             NA  5.0        5.0  0        0
## 1948            6.0  5.0        5.0  0        1
## 1949            6.0  5.0        5.0  0        1
## 1950            7.0  8.0        7.0  0        1
```

```
## 1951                     6.0  7.0           6.0     0       1
## 1952                     6.0  5.0           5.0     0       0
## 1953                      NA  4.0           4.0     0       0
## 1954                     5.0  5.0           5.0     0       1
## 1955                      NA  6.0           7.0     0       1
## 1956                     6.0  7.0           6.0     0       1
## 1957                     4.0  4.0           4.0     0       0
## 1958                      NA  5.0           5.0     0       1
## 1959                      NA  6.0           5.0     0       1
## 1960                      NA  5.0           5.0     0       0
## 1961                     7.0  5.0           5.0     0       0
## 1962                     5.0  7.0           5.0     0       0
## 1963                     9.0  8.0           5.0     1       0
## 1964                     6.0  8.0           5.0     0       1
## 1965                     2.0  5.0           3.0     0       0
## 1966                     6.0  8.0           3.0     0       1
## 1967                     5.0  7.0           5.0     0       0
## 1968                     4.0  5.0           3.0     0       0
## 1969                     7.0  8.0           5.0     1       1
## 1970                     8.0  8.0           3.0     0       0
## 1971                     5.0  5.0           5.0     0       0
## 1972                     9.0  8.0           6.0     0       1
## 1973                     6.0  6.0           5.0     0       0
## 1974                     8.0  8.0           5.0     0       1
## 1975                     8.0  8.0           3.0     1       1
## 1976                     7.0  8.0           5.0     0       1
## 1977                     2.0  2.0           5.0     0       0
## 1978                     2.0  1.0           3.0     0       0
## 1979                     6.0  6.0           5.0     0       0
## 1980                     5.0  7.0           5.0     0       1
## 1981                     3.0  3.0           3.0     0       0
## 1982                     7.0  6.0           6.0     0       0
## 1983                     8.0  8.0           8.0     0       0
## 1984                     5.0  5.0           5.0     0       0
## 1985                     5.0  5.0           5.0     0       0
## 1986                     3.0  4.0           4.0     0       0
## 1987                     3.0  4.0           4.0     0       0
## 1988                     6.0  8.0           5.0     0       1
## 1989                     6.0  8.0           5.0     0       0
## 1990                     5.0  5.0           7.0     0       0
## 1991                     7.0  6.0           6.0     0       0
## 1992                     6.0  5.0           7.0     0       0
## 1993                     3.0  3.0           3.0     0       0
## 1994                     3.0  3.0           3.0     0       0
## 1995                    10.0  8.0          10.0     1       1
## 1996                     5.0  8.0           7.0     0       1
## 1997                    10.0  4.0           1.0     0       0
## 1998                     8.0  7.0           6.0     0       1
## 1999                     6.0  6.0           6.0     0       0
## 2000                     6.0  5.0           5.0     0       0
## 2001                     6.0  7.0           6.0     0       0
## 2002                     4.0  6.0           5.0     0       0
## 2003                     5.0  7.0           7.0     0       0
## 2004                    10.0  9.0           9.0     0       1
```

```
## 2005                8.0  3.0           2.0    0       0
## 2006                2.0  2.0           2.0    0       0
## 2007                7.0  8.0           8.0    0       1
## 2008                7.0  8.0           7.0    0       1
## 2009                1.0  1.0           3.0    0       0
## 2010                4.0  3.0           5.0    0       0
## 2011                8.0  7.0           8.0    1       0
## 2012                7.0  6.0           6.0    0       1
## 2013                2.0  1.0           4.0    0       0
## 2014                4.0  3.0           5.0    0       0
## 2015                6.0  6.0           6.0    0       0
## 2016                4.0  4.0           5.0    0       0
## 2017                6.0  7.0           7.0    0       0
## 2018                4.0  3.0           5.0    0       0
## 2019                7.0  2.0           6.0    0       0
## 2020                8.0  7.0           6.0    0       1
## 2021                3.0  3.0           4.0    0       0
## 2022                5.0  6.0           6.0    0       0
## 2023                7.0  6.0           7.0    0       0
## 2024                6.0  3.0           7.0    0       0
## 2025                5.0  9.0           5.0    0       1
## 2026                7.0  7.0           5.0    0       1
## 2027                8.0  9.0           7.0    0       1
## 2028                8.0  9.0           6.0    0       1
## 2029                8.0  9.0           5.0    0       1
## 2030                6.0  8.0           4.0    0       1
## 2031                7.0  8.0           5.0    0       1
## 2032                6.0  8.0           5.0    0       1
## 2033                7.0  9.0           5.0    0       1
## 2034                6.0  9.0           4.0    0       1
## 2035                6.0  8.0           4.0    0       1
## 2036                6.0  7.0           5.0    0       1
## 2037                6.0  8.0           4.0    0       1
## 2038                7.0  9.0           6.0    0       1
## 2039                6.0  8.0           5.0    0       1
## 2040                5.0  7.0           4.0    0       1
## 2041                4.0  7.0           5.0    0       1
## 2042                4.0  5.0           5.0    0       0
## 2043                9.0  9.0           7.0    0       1
## 2044                9.0  8.0           6.0    0       1
## 2045                 NA  5.0           3.0    0       0
## 2046                3.0  5.0           4.0    0       0
## 2047                 NA  6.0           4.0    0       0
## 2048                6.0  7.0           6.0    0       1
## 2049                5.0  8.0           7.0    0       1
## 2050                 NA  7.0           4.0    0       1
## 2051                3.0  5.0           5.0    0       0
## 2052                5.0  7.0           8.0    0       1
## 2053                6.0  7.0           6.0    0       1
## 2054                 NA  7.0           4.0    0       1
## 2055                 NA  5.0           3.0    0       0
## 2056                 NA  5.0           1.0    0       0
## 2057                 NA  6.0           7.0    0       0
## 2058                3.0  4.0           5.0    0       0
```

```
## 2059                    7.0  7.0          6.0   0       0
## 2060                    3.0  5.0          5.0   0       0
## 2061                     NA  4.0          4.0   0       0
## 2062                    7.0  6.0          8.0   1       1
## 2063                    7.0  7.0          7.0   0       1
## 2064                     NA  5.0          5.0   0       1
## 2065                    3.0  7.0          7.0   0       1
## 2066                    8.0  8.0          7.0   0       1
## 2067                    3.0  5.0          5.0   0       0
## 2068                    2.0  4.0          4.0   0       0
## 2069                    7.0  7.0          5.0   0       1
## 2070                     NA  6.0          7.0   0       0
## 2071                   10.0  8.0          9.0   1       1
## 2072                    8.0  8.0          7.0   1       1
## 2073                    4.0  7.0          6.0   0       0
## 2074                    6.0  4.0          5.0   0       0
## 2075                    1.0  5.0          3.0   1       0
## 2076                    3.0  4.0          2.0   1       0
## 2077                    5.0  4.0          3.0   0       0
## 2078                    6.0  4.0          3.0   0       0
## 2079                    5.0  5.0          4.0   0       0
## 2080                    7.0  7.0          5.0   0       0
## 2081                    5.0  6.0          3.0   0       0
## 2082                    5.0  8.0          4.0   0       1
## 2083                    2.0  6.0          5.0   0       0
## 2084                    3.0  5.0          3.0   0       0
## 2085                    6.0  8.0          8.0   0       1
## 2086                    6.0  7.0          6.0   0       1
## 2087                    4.0  5.0          3.0   0       0
## 2088                    6.0  6.0          5.0   0       0
## 2089                    5.0  5.0          5.0   1       0
## 2090                    2.0  3.0          4.0   0       0
## 2091                    5.0  8.0         10.0   1       1
## 2092                    5.0  6.0          3.0   1       0
## 2093                    3.0  4.0          3.0   0       0
## 2094                    5.0  5.0          4.0   0       1
## 2095                    7.0  6.0          5.0   0       1
## 2096                    5.0  6.0          4.0   0       1
## 2097                    3.0  5.0          5.0   0       0
## 2098                    9.0  9.0          6.0   0       1
## 2099                    4.0  4.0          4.0   0       0
## 2100                    3.0  4.0          3.0   0       0
## 2101                    3.0  4.0          2.0   0       0
## 2102                    3.0  4.0          3.0   0       0
## 2103                    6.0  6.0          4.0   0       1
## 2104                    3.0  5.0          3.0   0       0
## 2105                    5.0  6.0          2.0   0       0
## 2106                    4.0  5.0          2.0   1       0
## 2107                    5.0  6.0          4.0   0       0
## 2108                    3.0  5.0          3.0   0       0
## 2109                    7.0  6.0          3.0   0       0
## 2110                    8.0  6.0          6.0   0       0
## 2111                    5.0  7.0          4.0   0       0
## 2112                    6.0  8.0          3.0   0       1
```

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```
## 2113          5.0   8.0          5.0   0      1
## 2114          5.0   8.0          3.0   0      1
## 2115          5.0   5.0          3.0   0      0
## 2116          6.0   8.0          5.0   0      1
## 2117          5.0   7.0          5.0   0      1
## 2118          7.0   7.0          4.0   0      0
## 2119          8.0   8.0          6.0   0      1
## 2120          4.0   5.0          3.0   0      0
## 2121           NA   6.0          3.0   0      0
## 2122           NA   6.0          2.0   0      0
## 2123          5.0   7.0          4.0   0      0
## 2124          7.0   7.0          5.0   0      0
## 2125          8.0  10.0         10.0   1      1
## 2126          5.0   6.0          3.0   0      0
## 2127           NA   6.0          3.0   0      0
## 2128           NA   5.0          1.0   0      0
## 2129          9.0   9.0          7.0   0      1
## 2130           NA   7.0          5.0   0      1
## 2131           NA   7.0          5.0   0      1
## 2132          6.0   7.0          4.0   0      0
## 2133           NA   6.0          2.0   0      0
## 2134          5.0   7.0          5.0   0      0
## 2135          5.0   7.0          5.0   0      0
## 2136           NA   8.0          5.0   0      1
## 2137          6.0   6.0          3.0   0      0
## 2138          4.0   6.0          5.0   0      0
## 2139          6.0   7.0          5.0   0      0
## 2140          5.0   6.0          4.0   0      0
## 2141          7.0   7.0          5.0   0      1
## 2142          5.0   8.0          4.0   0      1
## 2143          5.0   8.0          4.0   0      1
## 2144          5.0   7.0          5.0   0      1
## 2145          7.0   8.0          7.0   0      1
## 2146          3.0   6.0          3.0   0      0
## 2147          5.0   7.0          4.0   0      1
## 2148          5.0   5.0          5.0   0      0
## 2149          3.0   5.0          2.0   0      0
## 2150          5.0   6.0          5.0   0      0
## 2151          6.0   6.0          6.0   0      0
## 2152          5.0   7.0          4.0   0      1
## 2153           NA   5.0          2.0   0      0
## 2154           NA   5.0          2.0   0      0
## 2155           NA   8.0          4.0   0      1
## 2156           NA   5.0          4.0   0      0
## 2157           NA   7.0          2.0   0      0
## 2158           NA   8.0          2.0   1      1
## 2159           NA   8.0          2.0   1      1
## 2160           NA   7.0          4.0   0      1
## 2161           NA   7.0          7.0   0      0
## 2162           NA    NA           NA   0      0
## 2163           NA   7.0          4.0   0      0
## 2164           NA   5.0          2.0   0      0
## 2165           NA   7.0          5.0   1      1
## 2166           NA   7.0          2.0   1      1
```

```
## 2167       NA  7.0        2.0  1    1
## 2168       NA  8.0        3.0  0    1
## 2169      4.0  6.0        4.0  0    1
## 2170      2.0  3.0        4.0  0    0
## 2171      6.0  3.0        3.0  0    0
## 2172      5.0  3.0        5.0  0    0
## 2173      3.0  3.0        1.0  0    0
## 2174      4.0  5.0        5.0  0    0
## 2175      3.0  5.0        4.0  0    1
## 2176      4.0  7.0        5.0  0    1
## 2177      4.0  6.0        5.0  0    1
## 2178      4.0  7.0        4.0  0    1
## 2179      3.0  7.0        5.0  0    1
## 2180      4.0  4.0        2.0  0    0
## 2181      6.0  6.0        5.0  0    1
## 2182      3.0  6.0        4.0  0    1
## 2183      4.0  6.0        4.0  0    1
## 2184      4.0  6.0        4.0  0    1
## 2185      8.0  8.0        9.0  0    1
## 2186      6.0  6.0        6.0  0    0
## 2187      8.0  7.0        7.0  1    1
## 2188      7.0  7.0        7.0  0    1
## 2189      3.0  4.0        2.0  0    0
## 2190      7.0  5.0        6.0  0    0
## 2191      5.0  7.0        6.0  0    1
## 2192      6.0  6.0        5.0  0    0
## 2193      7.0  7.0        7.0  0    1
## 2194      7.0  8.0        8.0  0    1
## 2195      6.0  7.0        7.0  0    1
## 2196      5.0  6.0        7.0  0    0
## 2197      8.0  9.0        9.0  0    1
## 2198      7.0  7.0        7.0  0    1
## 2199      6.0  6.0        8.0  0    0
## 2200      8.0  9.0        9.0  0    1
## 2201      8.0  8.0        7.0  0    1
## 2202      8.0  7.0        7.0  0    0
## 2203      9.0  8.0        7.0  1    0
## 2204      8.0  8.0        8.0  1    0
## 2205      7.0  7.0        7.0  0    0
## 2206       NA  9.0        9.0  0    1
## 2207       NA  9.0        8.0  0    1
## 2208      8.0  9.0        8.0  0    0
## 2209      8.0  8.0        7.0  0    0
## 2210      7.0  9.0        8.0  0    1
## 2211      6.0  8.0        8.0  0    0
## 2212      6.0  8.0        8.0  0    0
## 2213     10.0 10.0        9.0  0    1
## 2214      8.0  8.0        9.0  0    0
## 2215      8.0  8.0        8.0  0    0
## 2216      8.0  9.0        8.0  0    1
## 2217      7.0  7.0        6.0  0    1
## 2218      3.0  4.0        4.0  0    0
## 2220      8.0  6.0        5.0  0    1
## 2221      5.0  5.0        5.0  0    1
```

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```
## 2222          7.0  6.0          6.0   0      1
## 2223          5.0  6.0          5.0   0      1
## 2224          6.0  6.0          5.0   0      1
## 2225          7.0  6.0          5.0   0      1
## 2226          5.0  7.0          6.0   0      1
## 2227          5.0  4.0          3.0   0      0
## 2228          7.0  6.0          5.0   0      1
## 2229          7.0  6.0          5.0   0      1
## 2230          6.0  6.0          6.0   0      1
## 2231          8.0  6.0          5.0   0      1
## 2232          6.0  5.0          6.0   0      1
## 2233          7.0  7.0          7.0   0      1
## 2234          9.0  6.0          7.0   0      0
## 2235         10.0  8.0          9.0   0      1
## 2236          3.0  6.0          6.0   0      1
## 2237          7.0  8.0          7.0   0      1
## 2238          4.0  9.0          8.0   0      0
## 2239          6.0  8.0          6.0   0      1
## 2240         10.0  9.0          8.0   0      1
## 2241          5.0  7.0          5.0   0      1
## 2242          6.0  8.0          7.0   0      1
## 2243          4.0  7.0          6.0   0      1
## 2244          4.0  6.0          7.0   0      1
## 2245          5.0  8.0          9.0   0      1
## 2246          6.0  8.0          4.0   0      1
## 2247          4.0  6.0          5.0   0      1
## 2248          5.0  9.0          6.0   0      1
## 2249          6.0  6.0          6.0   0      1
## 2250          1.0  1.0          5.0   0      0
## 2251          4.0  4.0          5.0   0      0
## 2252          2.0  3.0          7.0   0      0
## 2253          1.0  1.0           NA   0      0
## 2254          6.0  8.0          5.0   1      1
## 2255          4.0  6.0          3.0   1      1
## 2256          7.0  6.0          6.0   0      1
## 2257          3.0  3.0          9.0   0      0
## 2258          6.0  6.0          4.0   0      1
## 2259          3.0  6.0          7.0   0      1
## 2260          1.0  4.0          5.0   0      0
## 2261          6.0  6.0          5.0   1      1
## 2262          5.0  5.0          5.0   0      0
## 2263          7.0  7.0          6.0   0      1
## 2264          6.0  8.0          4.0   1      1
## 2265          5.0  7.0          5.0   0      1
## 2266          5.0  3.0          3.0   0      0
## 2267          5.0  4.0          4.0   0      0
## 2268          5.0  4.0          4.0   0      0
## 2269          4.0  4.0          3.0   0      0
## 2270          4.0  4.0          4.0   0      0
## 2271          5.0  5.0          4.0   0      0
## 2272          8.0  8.0          6.0   0      1
## 2273          5.0  6.0          4.0   0      1
## 2274          7.0  8.0          6.0   0      1
## 2275          5.0  5.0          3.0   0      0
```

```
## 2276          5.0  5.0        3.0   0        0
## 2277          6.0  7.0        4.0   0        1
## 2278          5.0  6.0        5.0   0        1
## 2279          6.0  6.0        5.0   0        1
## 2280          7.0  7.0        6.0   0        1
## 2281          6.0  6.0        6.0   0        1
## 2282           NA  5.0        5.0   0        0
## 2283          6.0  6.0        6.0   0        1
## 2284          7.0  7.0        8.0   0        1
## 2285          5.0  7.0        7.0   0        1
## 2286          5.0  7.0        7.0   0        1
## 2287          6.0  6.0        8.0   0        1
## 2288          6.0  6.0        8.0   0        1
## 2289          7.0  7.0        8.0   0        1
## 2290          7.0  7.0        8.0   0        1
## 2291          7.0  6.0        6.0   1        1
## 2292          2.0  2.0        7.0   0        0
## 2293          6.0  4.0        7.0   0        0
## 2294          7.0  4.0        5.0   0        0
## 2295          7.0  5.0        6.0   0        1
## 2296          7.0  7.0        7.0   0        1
## 2297          7.0  7.0        7.0   7        1
## 2298          8.0  8.0        8.0   8        1
## 2299          8.0  7.0        5.0   0        0
## 2300          7.0  4.0        7.0   1        1
## 2301          5.0  6.0        3.0   0        1
## 2302          4.0  6.0        2.0   0        0
## 2303          6.0  7.0        5.0   0        1
## 2304          5.0  2.0        1.0   0        0
## 2305          4.0  4.0        2.0   0        0
## 2306          3.0  5.0        1.0   0        0
## 2307          2.0  7.0        2.0   0        0
## 2308          6.0  5.0        5.0   0        1
## 2309          7.0  7.0        4.0   0        1
## 2310          6.0  7.0        5.0   0        1
## 2311          5.0  6.0        5.0   0        1
## 2312          2.0  2.0        2.0   0        0
## 2313          2.0  3.0        5.0   0        0
## 2314          4.0  4.0        5.0   1        0
## 2315          2.0  3.0        5.0   0        0
## 2316          4.0  5.0        4.0   0        0
## 2317          3.0  7.0        5.0   1        1
## 2318          7.0  7.0        6.0   0        1
## 2319          7.0  7.0        6.0   0        1
## 2320          5.0  6.0        5.0   0        0
## 2321          4.0  7.0        2.0   1        0
## 2322           NA  5.0        6.0   0        1
## 2323           NA  6.0        7.0   0        1
## 2325           NA  5.0        6.0   0        0
## 2326           NA  6.0        6.0   0        1
## 2327           NA  6.0        5.0   0        1
## 2328           NA  7.0        7.0   0        1
## 2329           NA  5.0        4.0   0        0
## 2330           NA  8.0        8.0   0        1
```

```
## 2331         7.0   2.0        5.0    0        0
## 2332         6.0   2.0        5.0    0        0
## 2333         7.0   3.0        5.0    0        0
## 2334         7.0   3.0        5.0    0        0
## 2335         6.0   3.0        5.0    0        0
## 2336         7.0   5.0        5.0    0        0
## 2337         7.0   7.0        7.0    0        1
## 2338         5.0   4.0        5.0    0        0
## 2339         4.0   4.0        5.0    0        0
## 2340         7.0   5.0        5.0    0        0
## 2341         6.0   8.0        8.0    0        1
## 2342         3.0   3.0        3.0    0        0
## 2343         6.0   7.0        7.0    0        0
## 2344         4.0   5.0        5.0    0        0
## 2345         5.0   7.0        7.0    0        0
## 2346         5.0   6.0        6.0    0        0
## 2347         6.0   7.0        7.0    0        0
## 2348         7.0   7.0        7.0    0        0
## 2349         9.0   8.0        7.0    0        1
## 2350         5.0   6.0        6.0    0        0
## 2351         7.0   7.0        7.0    0        1
## 2352         6.0   6.0        6.0    0        1
## 2353         7.0   7.0        7.0    0        1
## 2354         4.0   4.0        3.0    0        0
## 2355         4.0   4.0        4.0    0        0
## 2356         4.0   4.0        4.0    0        1
## 2357         4.0   4.0        4.0    0        1
## 2358         4.0   6.0        5.0    0        1
## 2359         9.0   6.0        5.0    0        0
## 2360         9.0   8.0        7.0    0        1
## 2361         8.0   8.0        6.0    0        1
## 2362         8.0   6.0        6.0    0        0
## 2363         8.0   8.0        6.0    0        0
## 2364         9.0   9.0        8.0    6        0
## 2365         9.0  10.0        6.0    0        0
## 2366         8.0   6.0        6.0    0        0
## 2367         8.0   8.0        6.0    0        0
## 2368         8.0   9.0        6.0   NA        1
## 2369         8.0   9.0        6.0    0        1
## 2370         6.0   8.0        6.0    0        0
## 2371         9.0   7.0        9.0    0        1
## 2372         7.0   7.0        5.0    0        0
## 2373         5.0   8.0        5.0    0        0
## 2374         6.0   6.0        5.0    0        0
## 2375         6.0   5.0        5.0    0        0
## 2376         9.0   5.0        6.0    0        0
## 2377         9.0   9.0        5.0    1        0
## 2378         7.0   7.0        6.0    0        1
## 2379         8.0   8.0        6.0    0        1
## 2380         6.0   8.0        5.0    0        0
## 2381         7.0   7.0        7.0    0        1
## 2382         8.0   5.0        9.0    1        0
## 2383         6.0   9.0        7.0    0        1
## 2384        10.0   9.0        8.0    0        0
```

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```
## 2385         7.0  8.0           6.0   0        1
## 2386         5.0  8.0           5.0   0        1
## 2387         9.0  6.0           6.0   0        1
## 2388         9.0  9.0           6.0   0        0
## 2389         6.0  7.0           5.0   0        0
## 2390        10.0 10.0           7.0   0        1
## 2391         8.0  7.0           9.0   0        0
## 2392         6.0  2.0           6.0   1        0
## 2393         6.0  2.0           8.0   0        0
## 2394         5.0  6.0          10.0   0        0
## 2395         9.0  7.0           9.0   0        0
## 2396        10.0 10.0          10.0   0        1
## 2397         5.0  9.0          10.0   0        1
## 2398         5.0  9.0          10.0   0        1
## 2399         5.0  9.0           9.0   1        1
## 2400        10.0  6.0          10.0   0        0
## 2401          NA  5.0           3.0   0        0
## 2402         7.0  6.0           5.0   0        1
## 2403         8.0  7.0           6.0   0        1
## 2404         2.0  4.0           2.0   0        0
## 2405         5.0  3.0           3.0   0        1
## 2406         6.0  6.0           6.0   0        1
## 2407          NA  6.0           6.0   0        1
## 2408          NA  5.0           4.0   0        1
## 2409          NA  4.0           3.0   0        0
## 2410         3.0  4.0           3.0   0        0
## 2411        10.0  5.0           9.0   0        1
## 2412          NA  3.0           2.0   0        0
## 2414          NA  5.0           9.0   0        0
## 2416          NA  7.0           9.0   0        1
## 2417          NA  7.0           9.0   0        1
## 2419          NA  5.0           6.0   0        0
## 2420         1.0  1.0           2.0   0        0
## 2421         5.0  2.0           1.0   0        0
## 2422         5.0  4.0           2.0   0        1
## 2423         7.0  4.0           2.0   0        0
## 2424         5.0  2.0           1.0   0        0
## 2425         5.0  3.0           1.0   0        1
## 2426         6.0  3.0           1.0   0        0
## 2427         8.0  6.0           2.0   0        1
## 2428         5.0  3.0           2.0   0        1
## 2429         5.0  2.0           1.0   0        0
## 2430         5.0  3.0           1.0   0        0
## 2431         4.0  5.0           7.0   0        0
## 2432         5.0  6.0           2.0   0        0
## 2433         5.0  7.0           2.0   0        0
## 2434         5.0  5.0           7.0   0        0
## 2435         6.0  6.0           5.0   0        0
## 2436         7.0  8.0           7.0   0        0
## 2437         5.0  6.0           7.0   0        0
## 2438         6.0  6.0           7.0   0        0
## 2439         5.0  6.0           7.0   0        0
## 2440         6.0  7.0           7.0   0        0
## 2441          NA  4.0           6.0   0        0
```

```
## 2442                  10.0  7.0           5.0   1       1
## 2443                   3.0  7.0           5.0   NA      1
## 2444                    NA  4.0           5.0   1       0
## 2445                   9.0  5.0           5.0   0       0
## 2446                   5.0  9.0           5.0   0       1
## 2447                    NA  6.0           4.0   0       1
## 2448                    NA  7.0           6.0   0       1
## 2449                    NA  6.0           4.0   0       1
## 2450                   1.0  6.0           6.0   1       1
## 2451                   8.0  5.0           6.0   0       0
## 2452                   8.0  5.0           7.0   0       0
## 2453                   7.0  6.0           7.0   0       1
## 2454                   6.0  5.0           6.0   0       0
## 2455                   5.0  6.0           7.0   0       0
## 2456                   6.0  7.0           6.0   0       1
## 2457                   7.0  6.0           7.0   0       1
## 2458                   5.0  7.0           7.0   0       1
## 2459                   5.0  6.0           5.0   0       0
## 2460                   6.0  5.0           6.0   0       0
## 2461                   3.0  4.0           5.0   0       0
## 2462                   5.0  6.0           9.0   0       0
## 2463                   3.0  5.0           2.0   0       0
## 2464                   4.0  6.0           8.0   0       0
## 2465                   4.0  5.0           4.0   0       0
## 2466                   4.0  7.0           9.0   0       1
## 2467                   4.0  7.0           7.0   0       1
## 2468                   3.0  3.0           2.0   0       0
## 2469                   3.0  5.0           4.0   0       0
## 2470                   6.0  6.0           6.0   0       0
## 2471                   6.0  7.0           6.0   0       0
## 2472                   9.0  8.0           8.0   1       1
## 2473                   6.0  5.0           7.0   0       0
## 2474                   7.0  8.0           7.0   0       0
## 2475                   9.0  8.0           8.0   0       0
## 2476                   8.0  9.0           6.0   0       1
## 2477                   8.0  8.0           7.0   0       1
## 2478                   9.0  8.0           7.0   0       1
## 2479                   6.0  8.0           8.0   0       0
## 2480                   6.0  7.0           6.0   0       0
## 2481                   7.0  7.0           5.0   0       1
## 2482                   7.0  8.0           6.0   0       1
## 2483                   5.0  5.0           5.0   0       0
## 2484                   9.0  6.0           5.0   0       1
## 2485                   7.0  6.0           4.0   0       1
## 2486                   6.0  6.0           6.0   0       1
## 2487                   7.0  7.0           7.0   0       0
## 2488                   7.0  8.0           7.0   0       1
## 2489                   5.0  5.0           5.0   0       0
## 2490                   6.0  6.0           6.0   0       0
## 2491                   9.0  7.0           7.0   0       1
## 2492                   6.0  7.0           6.0   0       0
## 2493                   7.0  7.0           6.0   0       1
## 2494                   6.0  7.0           5.0   0       1
## 2495                   5.0  6.0           4.0   0       0
```

```
## 2496                    7.0  7.0            6.0    0       1
## 2497                    6.0  5.0            5.0    0       0
## 2498                    7.0  7.0            7.0    0       1
## 2499                    6.0  5.0            7.0    0       0
## 2500                    6.0  7.0            5.0    0       0
## 2501                    9.0 10.0            1.0    1       0
## 2502                    9.0 10.0            8.0    0       1
## 2503                    6.0  6.0            7.0    0       0
## 2504                    6.0  6.0            7.0    0       1
## 2505                    6.0  7.0            6.0    0       0
## 2506                    9.0  9.0            7.0    0       0
## 2507                    6.0  9.0            8.0    0       0
## 2508                    6.0  7.0            5.0    0       0
## 2509                    4.0  5.0            7.0    0       0
## 2510                    6.0  8.0            6.0    0       0
## 2511                    7.0  8.0            7.0    0       0
## 2512                    7.0  8.0            8.0    0       1
## 2513                    6.0  7.0            7.0    0       1
## 2514                    6.0  7.0            8.0    0       0
## 2515                    5.0  6.0            6.0    0       0
## 2516                    6.0  7.0            9.0    0       1
## 2517                    5.0  5.0            8.0    0       0
## 2518                    9.0  9.0            9.0    0       0
## 2519                    4.0  5.0            7.0    0       0
## 2520                    7.0  7.0            7.0    0       1
## 2521                    5.0  6.0            5.0    1       1
## 2522                    5.0  6.0            5.0    0       1
## 2523                     NA  7.0            7.0    0       0
## 2524                    9.0  8.0            8.0    1       1
## 2525                     NA  2.0            1.0    0       0
## 2526                    8.0  7.0            8.0    1       1
## 2527                     NA  2.0            5.0    0       0
## 2528                     NA  3.0            3.0    0       0
## 2529                    2.0  2.0            2.0    0       0
## 2530                     NA  3.0            1.0    0       0
## 2531                     NA  1.0            3.0    0       0
## 2532                    2.0  2.0            3.0    0       0
## 2533                    3.0  3.0            5.0    0       0
## 2534                    3.0  3.0            5.0    0       0
## 2535                     NA  1.0            3.0    0       0
## 2536                     NA  3.0            5.0    0       0
## 2537                     NA  3.0            5.0    0       0
## 2538                    3.0  4.0            2.0    0       0
## 2539                     NA  3.0            2.0    0       0
## 2540                    9.0  4.0            6.0    0       0
## 2541                    4.0  4.0            5.0    0       0
## 2542                    1.0  4.0            6.0    0       0
## 2543                    4.0  4.0            5.0    0       0
## 2544                    4.0  7.0            5.0    0       1
## 2545                    3.0  4.0            5.0    0       0
## 2546                    4.0  4.0            9.0    0       0
## 2547                    5.0  4.0            5.0    0       0
## 2548                    4.0  4.0            5.0    0       0
## 2549                    4.0  4.0            5.0    0       0
```

```
## 2550             5.0  5.0        5.0  NA       0
## 2551             4.0  5.0        5.0  0        0
## 2552             4.0  4.0        5.0  0        0
## 2553             2.0  6.0        5.0  0        0
## 2554             3.0  5.0        4.0  0        0
## 2555             4.0  5.0        5.0  0        0
## 2556             4.0  4.0        5.0  0        0
## 2557             3.0  4.0        5.0  0        0
## 2558            10.0 10.0        1.0  1        1
## 2559            10.0 10.0        1.0  1        1
## 2560             7.0  5.0        4.0  0        0
## 2561             5.0  4.0        4.0  0        0
## 2562             5.0  6.0        4.0  0        0
## 2563             7.0  5.0        4.0  0        0
## 2564             6.0  4.0        3.0  0        0
## 2565             5.0  4.0        4.0  0        0
## 2566             4.0  4.0        4.0  0        0
## 2567             4.0  2.0        2.0  0        0
## 2568             5.0  3.0        3.0  0        0
## 2569             2.0  2.0        2.0  0        0
## 2570             5.0  4.0        3.0  0        0
## 2571             3.0  4.0        4.0  0        0
## 2572             6.0  5.0        4.0  0        0
## 2573             6.0  6.0        4.0  0        0
## 2574             5.0  6.0        4.0  1        0
## 2575             5.0  6.0        6.0  0        0
## 2576             5.0  6.0        4.0  0        0
## 2577             6.0  5.0        6.0  0        0
## 2578             5.0  5.0        4.0  0        0
## 2579             2.0  2.0        1.0  0        0
## 2580             5.0  5.0        5.0  0        0
## 2581             5.0  7.0        8.0  0        0
## 2582             5.0  8.0        8.0  0        1
## 2583             2.0  3.0        7.0  0        0
## 2584             8.0  6.0        6.0  0        1
## 2585             4.0  6.0        8.0  0        1
## 2586            10.0  9.0        9.0  0        1
## 2587             7.0  8.0        9.0  0        0
## 2588             2.0  8.0        9.0  0        1
## 2589             2.0  3.0         NA  0        0
## 2590            10.0  9.0        8.0  0        0
## 2591             2.0  6.0        6.0  0        0
## 2592             2.0  8.0        9.0  0        1
## 2593             3.0  8.0        6.0  0        1
## 2594             4.0  7.0        8.0  0        0
## 2595             4.0  6.0        8.0  0        0
## 2596             2.0  3.0        3.0  0        0
## 2597             4.0  2.0        8.0  0        0
## 2598             2.0  3.0        7.0  0        0
## 2599             2.0  2.0        3.0  0        0
## 2600             2.0  5.0        9.0  0        0
## 2601              NA  8.0        6.0  0        0
## 2602              NA  8.0        6.0  1        0
## 2603              NA  6.0        6.0  0        0
```

```
## 2604          NA  8.0         6.0   0         1
## 2605          NA  7.0         5.0   0         0
## 2606          NA  8.0         6.0   0         0
## 2607          NA  8.0         6.0   0         0
## 2608          NA  7.0         6.0   0         0
## 2609          NA  7.0         6.0   0         0
## 2610          NA  8.0         6.0   0         0
## 2611          NA  8.0         6.0   0         1
## 2612          NA  8.0         6.0   0         0
## 2613          NA  7.0         6.0   0         0
## 2614          NA  7.0         5.0   0         0
## 2615          NA  7.0         6.0   0         0
## 2616         8.0  6.0         2.0   0         1
## 2617         6.0  6.0         2.0   0         0
## 2618          NA  7.0         4.0   0         0
## 2619          NA  7.0         6.0   0         0
## 2621          NA  7.0         5.0   0         0
## 2622         7.0  7.0         6.0   0         0
## 2623          NA  6.0         6.0   0         0
## 2624          NA  6.0         5.0   0         1
## 2625         1.0  1.0         1.0   0         0
## 2626          NA  4.0          NA   0         0
## 2627         3.0  4.0         3.0   0         0
## 2628          NA  6.0         6.0   0         0
## 2629          NA  2.0          NA   0         0
## 2630          NA  7.0         5.0   0         0
## 2631          NA  5.0         4.0   0         0
## 2632          NA  6.0         5.0   0         0
## 2633         9.0  8.0         6.0   0         1
## 2634          NA  6.0         5.0   0         0
## 2635          NA  5.0         5.0   0         0
## 2636          NA  7.0         6.0   0         0
## 2637         8.0  8.0         8.0   0         1
## 2638         3.0  6.0         4.0   0         0
## 2639          NA  5.0         6.0   0         0
## 2640          NA  6.0         5.0   0         0
## 2641         5.0  8.0         7.0   0         0
## 2642         7.0  8.0         5.0   0         0
## 2643         7.0  6.0         6.0   0         0
## 2644         7.0  8.0         6.0   0         1
## 2645         7.0  6.0         5.0   0         0
## 2646         5.0  7.0         3.0   0         0
## 2647         4.0  5.0         3.0   0         0
## 2648         5.0  6.0         4.0   0         0
## 2649         4.0  5.0         2.0   1         0
## 2650         8.0  7.0         5.0   0         0
## 2651         5.0  6.0         3.0   0         0
## 2652         5.0  7.0         6.0   0         0
## 2653         8.0  8.0         5.0   0         1
## 2654         7.0  7.0         4.0   0         0
## 2655         3.0  5.0         4.0   0         0
## 2656         4.0  8.0         6.0   0         1
## 2657         5.0  5.0         6.0   0         0
## 2658         6.0  7.0         3.0   0         0
```

```
## 2659          6.0  7.0          6.0    0          0
## 2660          5.0  6.0          6.0    0          1
## 2661           NA  3.0          6.0    0          0
## 2662          7.0  7.0          8.0    0          0
## 2663          4.0  1.0          7.0    0          0
## 2664          7.0 10.0          9.0    0          0
## 2665           NA  7.0          7.0    0          0
## 2666           NA  7.0          8.0    0          0
## 2667          6.0  7.0          8.0    0          0
## 2668          3.0  5.0          7.0    0          0
## 2669          3.0  5.0          3.0    1          0
## 2670           NA  6.0          7.0    0          0
## 2671           NA  4.0          7.0    0          0
## 2672           NA  8.0          8.0    0          0
## 2673          9.0  9.0          9.0    0          0
## 2674          7.0  6.0          8.0    0          0
## 2675           NA  7.0          8.0    0          0
## 2676          7.0  8.0          9.0    0          0
## 2677          3.0  3.0          5.0    0          0
## 2678          4.0  4.0          8.0    0          0
## 2679           NA  4.0          7.0    0          0
## 2680          3.0  8.0         10.0    0          0
## 2681          6.0  7.0          6.0    0          0
## 2682          6.0  8.0          2.0    1          0
## 2683          7.0  8.0          1.0    1          0
## 2684          7.0  9.0          8.0    0          1
## 2685          5.0  6.0          9.0    0          0
## 2686          8.0  9.0          6.0    0          0
## 2687          8.0  7.0          8.0    0          0
## 2688          6.0  6.0          7.0    0          0
## 2689          1.0  1.0          5.0    0          0
## 2690          6.0  6.0          7.0    0          0
## 2691          4.0  5.0          6.0    0          0
## 2692          8.0  9.0         10.0    1          0
## 2693          8.0  8.0          4.0    1          1
## 2694          5.0  8.0          5.0    1          0
## 2695          2.0  4.0          8.0    0          0
## 2696          7.0  8.0          7.0    0          0
## 2697          6.0  7.0          9.0    0          0
## 2698          8.0  8.0          8.0    0          0
## 2699          6.0  6.0          9.0    0          0
## 2700          7.0  8.0          5.0    0          0
## 2701          5.0  6.0          6.0    0          0
## 2702          8.0  9.0          5.0    0          0
## 2703          2.0  2.0          2.0    0          0
## 2704          6.0  8.0          7.0    0          1
## 2705          5.0  6.0          6.0    0          0
## 2706          6.0  6.0          4.0    0          0
## 2707          6.0  7.0          7.0    0          1
## 2708          6.0  7.0          7.0    0          1
## 2709          6.0 10.0          8.0    0          0
## 2710          4.0  4.0          2.0    0          0
## 2711          9.0  8.0          8.0    0          1
## 2712          4.0  7.0          5.0    0          0
```

```
## 2713          2.0  6.0          2.0   0      0
## 2714          2.0  2.0          2.0   0      0
## 2715          5.0  6.0          6.0   0      0
## 2716          5.0  5.0          2.0   0      0
## 2717          3.0  3.0          4.0   0      0
## 2718          2.0  2.0          2.0   0      0
## 2719          8.0  6.0          6.0   0      0
## 2720          8.0  8.0          7.0   0      0
## 2721          1.0  4.0          4.0   0      0
## 2722          7.0  7.0          7.0   0      1
## 2723          5.0  8.0          7.0   0      1
## 2724          5.0  7.0          7.0   0      0
## 2725          7.0  6.0          7.0   0      1
## 2726           NA  6.0          5.0   0      1
## 2727          9.0 10.0          9.0   1      1
## 2728          5.0  7.0          7.0   0      1
## 2729          7.0  7.0          7.0   0      1
## 2730          5.0  7.0          5.0   0      1
## 2731          7.0  7.0          7.0   0      1
## 2732          7.0  8.0          7.0   0      1
## 2733          7.0  7.0          5.0   0      1
## 2734          7.0  7.0          7.0   0      1
## 2735          7.0  7.0          6.0   0      0
## 2736          8.0  8.0          8.0   0      1
## 2737          7.0  6.0          5.0   0      1
## 2738          8.0  7.0          7.0   0      1
## 2739          7.0  6.0          7.0   7      1
## 2740          7.0  7.0          7.0   0      1
## 2741          4.0  4.0          8.0   0      0
## 2742          7.0  7.0          9.0   0      0
## 2743          5.0  6.0          9.0   0      0
## 2744          7.0  7.0          7.0   0      0
## 2745          3.0  7.0          9.0   0      0
## 2746          8.0  9.0          9.0   0      1
## 2747          7.0  7.0          9.0   0      0
## 2748          6.0  6.0          8.0   0      0
## 2749          1.0  1.0          1.0   0      0
## 2750          3.0  4.0          9.0   0      0
## 2751          4.0  2.0          9.0  NA      0
## 2752          6.0  6.0          9.0   0      0
## 2753         10.0 10.0         10.0   0      1
## 2754          8.0  8.0          9.0   0      1
## 2755          4.0  5.0          7.0   0      0
## 2756          9.0  8.0          9.0   0      0
## 2757          4.0  4.0          9.0   0      0
## 2758          4.0  5.0          9.0   0      0
## 2759          4.0  3.0          8.0   0      0
## 2760          8.0  7.0          9.0   0      0
## 2761          7.0  6.0          5.0   0      0
## 2762         10.0 10.0         10.0   1      1
## 2763          5.0 10.0          5.0  NA      0
## 2764          8.0  7.0          5.0   0      1
## 2765          5.0  5.0          5.0  NA      0
## 2766          9.0  9.0          5.0   0      1
```

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```
## 2767      9.0 8.0        5.0    0        1
## 2768      7.0 5.0        5.0    0        0
## 2769      6.0 5.0        5.0    0        0
## 2770      5.0 5.0        5.0   NA        0
## 2771     10.0 10.0      10.0    1        1
## 2772      5.0 7.0        7.0    0        0
## 2773      9.0 9.0        5.0    0        1
## 2774      9.0 9.0        9.0    0        1
## 2775      8.0 7.0        5.0    0        0
## 2776      8.0 8.0        5.0    0        1
## 2777      9.0 9.0        9.0    0        1
## 2778      7.0 6.0        5.0    0        1
## 2779      7.0 6.0        5.0    0        0
## 2780      7.0 8.0        5.0    0        1
## 2781      5.0  NA         NA   NA        0
## 2782       NA  NA         NA   NA        0
## 2783       NA  NA        5.0    0        0
## 2784       NA  NA         NA   NA        0
## 2785       NA  NA        1.0    0        0
## 2786       NA  NA         NA   NA        0
## 2787       NA  NA         NA   NA        0
## 2788       NA  NA         NA   NA        0
## 2789       NA  NA         NA   NA        0
## 2790       NA  NA         NA   NA        0
## 2791       NA  NA        5.0    0        0
## 2792      7.0  NA         NA    0        0
## 2793      7.0  NA         NA   NA        0
## 2794      5.0  NA        5.0   NA        0
## 2795      5.0 7.0         NA   NA        0
## 2796       NA  NA         NA   NA        0
## 2797       NA 6.0        4.0    0        0
## 2798       NA  NA         NA   NA        0
## 2799       NA  NA         NA   NA        0
## 2801      6.0 7.0        7.0    0        1
## 2802     10.0 6.0        6.0    0        1
## 2803      1.0 1.0         NA    0        0
## 2804       NA 5.0        3.0    0        0
## 2805       NA 2.0        1.0    0        0
## 2806       NA 7.0        7.0    0        1
## 2807       NA 8.0         NA    0        0
## 2808       NA 3.0        2.0    0        0
## 2809       NA 2.0        2.0    0        0
## 2810       NA 7.0        7.0    0        0
## 2811      6.0 7.0         NA    0        0
## 2812       NA 7.0         NA    0        1
## 2813       NA 9.0        5.0    0        1
## 2814      5.0 5.0        5.0    0        0
## 2815      1.0 2.0         NA    0        0
## 2816       NA 8.0        5.0    0        1
## 2817       NA 6.5         NA    0        0
## 2818      1.0 2.0        5.0    0        0
## 2819      5.0 4.0         NA    0        0
## 2820       NA 2.0        9.0    0        0
## 2821      2.0 7.0        6.0    0        0
```

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```
## 2822                7.0  5.0          5.0   0        0
## 2823                6.0  6.0          7.0   0        0
## 2824                4.0  3.0          5.0   0        0
## 2825                5.0  3.0          5.0   0        0
## 2826                7.0  8.0          8.0   1        1
## 2827               10.0  6.0          7.0   1        0
## 2828               10.0  6.0          7.0   1        0
## 2829                6.0  6.0          6.0   0        0
## 2830                7.0  6.0          6.0   0        0
## 2831                7.0  5.0          8.0   0        0
## 2832                7.0  7.0          7.0   0        0
## 2833                6.0  9.0          7.0   0        1
## 2834                2.0  8.0          7.0   0        1
## 2835                6.0  7.0          7.0   0        0
## 2836                4.0  7.0          6.0   0        0
## 2837                8.0  8.0          9.0   1        1
## 2838                8.0  7.0          7.0   1        0
## 2839                9.0  7.0          7.0   1        0
## 2840                4.0  4.0          7.0   0        0
## 2841                5.0  6.0          5.0   0        0
## 2842                7.0  7.0          7.0   0        1
## 2843                7.0  6.0          6.0   0        0
## 2844                5.0  8.0          7.0   0        1
## 2845                5.0  5.0          5.0   0        0
## 2846                6.0  7.0          7.0   0        1
## 2847                5.0  5.0          6.0   0        0
## 2848                7.0  7.0          7.0   0        1
## 2849                6.0  6.0          6.0   0        0
## 2850                6.0  6.0          6.0   0        0
## 2851                6.0  6.0          6.0   0        1
## 2852                5.0  6.0          6.0   0        1
## 2853                6.0  7.0          7.0   0        1
## 2854                6.0  7.0          6.0   0        1
## 2855                6.0  6.0          8.0   0        1
## 2856                7.0  8.0          7.0   0        1
## 2857                5.0  5.0          6.0   0        0
## 2858                7.0  8.0         10.0   1        1
## 2859                6.0  6.0          6.0   0        0
## 2860                7.0  7.0          7.0   0        1
## 2861                6.0  8.0          6.0   0        0
## 2862                6.0  7.0          6.0   0        0
## 2863                7.0  6.0          6.0   0        0
## 2864                8.0  8.0          7.0   0        1
## 2865                5.0  5.0          5.0   0        0
## 2866                8.0  7.0          7.0   0        0
## 2867                7.0  6.0          6.0   0        0
## 2868                7.0  7.0          7.0   0        0
## 2869                6.0  5.0          5.0   0        0
## 2870                7.0  7.0          5.0   0        0
## 2871                7.0  7.0          5.0   0        0
## 2872                7.0  7.0          6.0   0        0
## 2873                7.0  8.0          6.0   0        1
## 2874                8.0  8.0          7.0   0        1
## 2875                6.0  6.0          7.0   0        0
```

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## 2876          7.0  7.0          7.0   0        0
## 2877          8.0  6.0          6.0   0        0
## 2878          7.0  7.0          6.0   1        0
## 2879          7.0  7.0          6.0   0        0
## 2880          7.0  6.0          6.0   0        0
## 2881          3.0  5.0          4.0   0        0
## 2882          5.0  7.0          0.0   1        0
## 2883          5.0  6.0          6.0   0        1
## 2884          5.0  8.0          6.0   0        1
## 2885          4.0  4.0          5.0   0        0
## 2886          6.0  7.0          5.0   0        1
## 2887          5.0  8.0          3.0   0        1
## 2888          6.0  7.0          6.0   0        1
## 2889          6.0  9.0          8.0   0        1
## 2890          6.0  9.0          8.0   0        1
## 2891          6.0  8.0          6.0   0        1
## 2892          6.0  8.0          6.0   0        1
## 2893          5.0  7.0          7.0   0        0
## 2894          6.0  9.0          6.0   0        1
## 2895          6.0  7.0          7.0   0        1
## 2896          6.0  7.0          6.0   0        0
## 2897          7.0 10.0          8.0   0        1
## 2898          6.0  6.0          5.0   0        1
## 2899          6.0  8.0          6.0   NA       1
## 2900          6.0  8.0          3.0   0        1
## 2901          4.0  2.0          6.0   0        0
## 2902          9.0  8.0          8.0   0        1
## 2903          3.0  3.0          3.0   0        0
## 2904          4.0  7.0          6.0   0        1
## 2905          4.0  3.0          6.0   0        0
## 2906          6.0  5.0          6.0   0        1
## 2907          6.0  7.0          8.0   1        1
## 2908          5.0  6.0          5.0   0        0
## 2909          4.0  4.0          7.0   0        0
## 2910          5.0  4.0          4.0   0        0
## 2911          6.0  5.0          7.0   1        1
## 2912          2.0  2.0          2.0   0        0
## 2913          6.0  6.0          6.0   0        0
## 2914          5.0  8.0          6.0   0        1
## 2915          5.0  7.0          1.0   0        1
## 2916          5.0  5.0          4.0   0        0
## 2917          7.0  7.0          6.0   0        1
## 2918          6.0  5.0          3.0   0        1
## 2919          6.0  6.0          5.0   0        1
## 2920          6.0  6.0          6.0   0        0
## 2921          5.0  5.0          5.0   0        0
## 2922          4.0  7.0          4.0   0        1
## 2923          6.0  6.0          5.0   0        0
## 2924          3.0  6.0          5.0   0        0
## 2925          7.0  7.0          6.0   0        1
## 2926          5.0  7.0          2.0   0        1
## 2927          5.0  7.0          5.0   0        1
## 2928          9.0  8.0          6.0   0        1
## 2929          9.0  8.0          7.0   0        1
```

```
## 2930              9.0  8.0           7.0   0        1
## 2931              5.0  9.0           5.0   1        0
## 2932              5.0  6.0           5.0   0        1
## 2933              5.0  7.0           5.0   0        0
## 2934              8.0  8.0           7.0   0        1
## 2935              9.0  7.0           6.0   0        1
## 2936              6.0  6.0           5.0   0        1
## 2937              8.0  8.0           6.0   0        1
## 2938              9.0  7.0           6.0   0        1
## 2939              9.0  7.0           6.0   0        1
## 2940              9.0  8.0           6.0   0        1
## 2941              6.0  6.0           7.0   0        0
## 2942              5.0  7.0           8.0   1        1
## 2943              6.0  7.0           6.0   0        0
## 2944              7.0  7.0           8.0   0        1
## 2945              3.0  4.0           7.0   0        0
## 2946              7.0  8.0           8.0   0        1
## 2947              5.0  7.0           7.0   0        1
## 2948              5.0  6.0           9.0   0        0
## 2949              7.0  6.0           7.0   0        1
## 2950              8.0  7.0           6.0   0        1
## 2951              5.0  6.0           7.0   0        0
## 2952              5.0  5.0           7.0   0        0
## 2953              4.0  5.0           6.0   0        0
## 2954              5.0  9.0           8.0   0        1
## 2955              7.0  8.0           8.0   0        1
## 2956              5.0  5.0           6.0   0        0
## 2957              6.0  5.0           7.0   0        0
## 2958              4.0  5.0           5.0   0        1
## 2959              6.0  8.0           8.0   0        1
## 2960              6.0  6.0           7.0   0        1
## 2961              4.0  3.0           2.0   0        0
## 2962              6.0  6.0           5.0   0        1
## 2963              2.0  2.0           1.0   0        0
## 2964              3.0  2.0           1.0   0        0
## 2965              2.0  3.0           1.0   0        0
## 2966              5.0  5.0           5.0   NA       0
## 2967              6.0  6.0           5.0   0        1
## 2968              4.0  5.0           5.0   0        0
## 2969              6.0  5.0           5.0   0        1
## 2970              6.0  5.0           6.0   0        1
## 2971              4.0  5.0           5.0   0        1
## 2972              7.0  6.0           6.0   0        1
## 2973              5.0  5.0           5.0   0        1
## 2974              4.0  6.0           4.0   0        1
## 2975              4.0  5.0           4.0   0        1
## 2976              1.0  2.0           1.0   0        0
## 2977              5.0  5.0           2.0   0        0
## 2978              4.0  4.0           3.0   0        0
## 2979              5.0  5.0           4.0   0        0
## 2980              5.0  5.0           4.0   0        1
## 2981              5.0  5.0           4.0   0        0
## 2982              7.0  7.0           5.0   0        1
## 2983              7.0  7.0           5.0   0        1
```

```
## 2984               6.0  6.0        5.0   0        1
## 2985               3.0  4.0        4.0   0        0
## 2986               5.0  6.0        5.0   0        1
## 2987               7.0  7.0        6.0   NA       1
## 2988               6.0  7.0        5.0   0        0
## 2989               5.0  6.0        4.0   NA       0
## 2990               7.0  7.0        6.0   0        1
## 2991               5.0  6.0        6.0   0        1
## 2992               5.0  6.0        5.0   0        1
## 2993               6.0  5.0        5.0   NA       0
## 2994               8.0  8.0        5.0   NA       1
## 2995               7.0  7.0        6.0   NA       1
## 2996               5.0  5.0        3.0   NA       0
## 2997               5.0  6.0        5.0   NA       0
## 2998               5.0  6.0        5.0   1        1
## 2999               7.0  8.0        6.0   0        1
## 3000               7.0  7.0        5.0   0        1
## 3001               0.0  2.0        1.0   0        0
## 3002               9.0  9.0        9.0   0        1
## 3003              10.0  9.0        8.0   0        1
## 3004              10.0  9.0        8.0   0        1
## 3005               8.0  7.0        7.0   0        0
## 3006               2.0  2.0        8.0   0        0
## 3007              10.0  9.0        9.0   0        1
## 3008              10.0 10.0       10.0   0        1
## 3009               8.0  8.0        9.0   0        1
## 3010               9.0  9.0        9.0   0        1
## 3011               7.0  8.0        7.0   0        0
## 3012              10.0 10.0        9.0   0        1
## 3013              10.0 10.0       10.0   1        1
## 3014               9.0  9.0        9.0   0        1
## 3015               8.0  8.0        9.0   0        1
## 3016               9.0  9.0        9.0   0        1
## 3017               9.0 10.0        8.0   0        1
## 3018              10.0 10.0       10.0   1        1
## 3019               9.0  9.0        9.0   0        0
## 3020               9.0  8.0        9.0   0        1
## 3021               5.0  6.0        3.0   0        1
## 3022               5.0  7.0        5.0   0        1
## 3023               3.0  5.0        5.0   0        1
## 3024               5.0  7.0        6.0   0        1
## 3025               3.0  3.0        6.0   0        0
## 3026               3.0  8.0        4.0   0        1
## 3027               5.0  8.0        3.0   0        1
## 3028               5.0  7.0        3.0   0        1
## 3029               3.0  8.0        2.0   0        1
## 3030               3.0  7.0        3.0   0        1
## 3031               3.0  4.0        7.0   0        0
## 3032               3.0  5.0        2.0   0        1
## 3033               5.0  7.0        5.0   0        1
## 3034               5.0  9.0        3.0   0        1
## 3035               5.0  8.0        6.0   0        1
## 3036               2.0  4.0        7.0   0        0
## 3037               4.0  6.0        4.0   0        1
```

```
## 3038              3.0  6.0          3.0   0      1
## 3039              6.0  7.0          6.0   0      1
## 3040              3.0  7.0          6.0   0      1
## 3041              2.0  4.0          3.0   0      0
## 3042              2.0  4.0          3.0   0      0
## 3043              5.0  6.0          4.0   0      1
## 3044              5.0  8.0          5.0   0      1
## 3045              2.0  4.0          6.0   0      0
## 3046              7.0  8.0          7.0   0      1
## 3047              4.0  7.0          8.0   0      1
## 3048              2.0  3.0          3.0   0      0
## 3049              2.0  6.0          5.0   1      1
## 3050              3.0  7.0          6.0   1      1
## 3051              3.0  4.0          3.0   0      0
## 3052              4.0  5.0          4.0   0      1
## 3053              4.0  6.0          5.0   0      0
## 3054              4.0  7.0          4.0   0      1
## 3055              5.0  8.0          7.0   0      1
## 3056              3.0  4.0          4.0   0      0
## 3057              5.0  9.0          8.0   0      1
## 3058              5.0  7.0          7.0   0      1
## 3059              6.0  9.0          8.0   0      1
## 3060              5.0  5.0          5.0   0      0
## 3061              7.0  6.0          6.0   0      1
## 3062              5.0  5.0          7.0   0      1
## 3063              2.0  3.0          4.0   0      0
## 3064              5.0  5.0          7.0   0      1
## 3065              5.0  4.0          4.0   0      0
## 3066              8.0  7.0          6.0   0      1
## 3067               NA  7.0          7.0   0      1
## 3068              7.0  6.0          6.0   0      1
## 3069              6.0  5.0          7.0   0      1
## 3070              7.0  8.0          6.0   0      1
## 3071              2.0  6.0          5.0   0      1
## 3072              7.0  8.0          5.0   0      1
## 3073              6.0  7.0          3.0   0      1
## 3074              5.0  7.0          4.0   0      1
## 3075              6.0  6.0          3.0   0      1
## 3076              4.0  6.0          6.0   0      0
## 3077              7.0  8.0          6.0   0      1
## 3078              2.0  6.0          3.0   0      0
## 3079              5.0  7.0          3.0   0      1
## 3080              6.0  7.0          4.0   0      1
## 3081              7.0  7.0          5.0   0      0
## 3082              8.0  7.0          5.0   0      0
## 3083              5.0  5.0          5.0   0      0
## 3084              7.0  8.0          7.0   0      1
## 3085              5.0  5.0          6.0   0      0
## 3086              5.0  5.0          5.0   0      1
## 3087              5.0  6.0          6.0   0      1
## 3088              5.0  7.0          8.0   0      0
## 3089              7.0  7.0          6.0   0      1
## 3090              5.0  7.0          6.0   0      0
## 3091              1.0  2.0          4.0   0      0
```

```
## 3092          5.0  5.0          5.0    0      0
## 3093          9.0  5.0          6.0    0      1
## 3094          5.0  6.0          7.0    0      1
## 3095          5.0  6.0          6.0    0      1
## 3096          7.0  7.0          5.0    0      0
## 3097          5.0  4.0          1.0    0      1
## 3098          5.0  8.0          6.0    0      1
## 3099          5.0  7.0          6.0    0      1
## 3100          7.0  7.0          6.0    0      0
## 3101          4.0  4.0          6.0    0      0
## 3102          6.0  6.0          5.0    0      1
## 3103          3.0  5.0          3.0    0      0
## 3104          8.0  7.0          7.0    0      1
## 3105          4.0  4.0          2.0    0      0
## 3106          5.0  5.0          5.0    0      0
## 3107          8.0  8.0          5.0    0      1
## 3108          6.0  5.0          6.0    0      0
## 3109          3.0  4.0          5.0    0      0
## 3110          7.0  7.0          7.0    0      1
## 3111          9.0  7.0          7.0    1      1
## 3112          4.0  4.0          5.0    0      0
## 3113          8.0  7.0          7.0    0      1
## 3114          7.0  8.0          6.0    0      1
## 3115          6.0  8.0          7.0    0      1
## 3116          7.0  7.0          6.0    0      1
## 3117          4.0  4.0          5.0    0      0
## 3118          7.0  7.0          6.0    0      1
## 3119          4.0  6.0          7.0    0      0
## 3120          8.0  8.0          6.0    0      1
## 3121          4.0  4.0          7.0    0      0
## 3122          6.0  6.0          7.0    0      0
## 3123          5.0  6.0          7.0    0      0
## 3124          7.0  8.0          8.0    0      1
## 3125          3.0  4.0          2.0    0      0
## 3126          7.0  7.0          8.0    0      1
## 3127          7.0  7.0          5.0    0      0
## 3128          6.0  6.0          8.0    0      0
## 3129          4.0  5.0          4.0    0      0
## 3130          5.0  7.0          5.0    0      0
## 3131          6.0  4.0          1.0    1      0
## 3132          3.0  4.0          2.0    0      0
## 3133          5.0  7.0          4.0    0      0
## 3134          7.0  8.0          7.0    0      1
## 3135          6.0  8.0          7.0    0      1
## 3136          5.0  6.0          3.0    0      0
## 3137          7.0  7.0          6.0    0      0
## 3138          7.0  7.0          6.0    0      0
## 3139          7.0  8.0          7.0    0      1
## 3140          6.0  6.0          9.0    0      0
## 3141          5.0  4.0          4.0    0      0
## 3142          6.0  6.0          6.0    0      1
## 3143          3.0  3.0          4.0    0      0
## 3144          7.0  7.0          5.0    0      1
## 3145          2.0  2.0          2.0    1      0
```

```
## 3146          8.0  9.0          6.0  0          1
## 3147          8.0  8.0          6.0  0          1
## 3148          6.0  5.0          5.0  0          0
## 3149          4.0  3.0          5.0  0          0
## 3150          5.0  4.0          5.0  0          0
## 3151          5.0  3.0          3.0  1          0
## 3152          3.0  3.0          3.0  0          0
## 3153          3.0  3.0          3.0  0          0
## 3154          8.0  9.0          7.0  0          1
## 3155          7.0  8.0          6.0  0          1
## 3156          4.0  4.0          3.0  0          0
## 3157          6.0  5.0          4.0  0          0
## 3158          5.0  5.0          4.0  0          0
## 3159          6.0  6.0          6.0  0          0
## 3160          7.0  6.0          6.0  0          1
## 3161          5.0  5.0          3.0  0          0
## 3162          5.0  6.0          5.0  0          1
## 3163          6.0  6.0          4.0  0          1
## 3164          5.0  5.0          3.0  0          0
## 3165          4.0  5.0          7.0  0          1
## 3166          4.0  4.0          1.0  0          0
## 3167          4.0  3.0          1.0  0          0
## 3168          3.0  6.0          3.0  0          0
## 3169          5.0  4.0          4.0  0          0
## 3170          8.0  7.0          5.0  0          1
## 3171          4.0  4.0          4.0  0          0
## 3172          6.0  5.0          4.0  0          1
## 3173          5.0  7.0          5.0  0          1
## 3174          5.0  6.0          4.0  0          1
## 3175          6.0  7.0          4.0  0          1
## 3176          4.0  6.0          5.0  0          1
## 3177          5.0  6.0          5.0  0          1
## 3178          5.0  6.0          5.0  0          1
## 3179          6.0  6.0          4.0  0          1
## 3180          5.0  7.0          5.0  0          1
## 3181          3.0  5.0          3.0  0          0
## 3182          5.0  7.0          7.0  0          1
## 3183          1.0  3.0          2.0  0          0
## 3184          3.0  3.0          3.0  0          0
## 3185          2.0  3.0          4.0  0          0
## 3186          4.0  4.0          4.0  0          0
## 3187          3.0   NA           NA  NA          1
## 3188          5.0  5.0          6.0  NA          0
## 3189          2.0  4.0          5.0  0          0
## 3190          2.0  4.0          5.0  0          0
## 3191          6.0  3.0          4.0  0          0
## 3192          3.0  4.0          3.0  0          0
## 3193          4.0  6.0          6.0  0          0
## 3194          6.0  6.0          3.0  0          1
## 3195          3.0  7.0          5.0  0          1
## 3196          3.0  3.0          3.0  0          0
## 3197          3.0  7.0          5.0  0          1
## 3198          5.0  3.0          3.0  0          0
## 3199          3.0  5.0          4.0  0          0
```

```
## 3200               7.0  5.0          5.0   0        1
## 3201               2.0  2.0          1.0   0        0
## 3202               5.0  7.0          4.0   0        1
## 3203               6.0  8.0          4.0   0        1
## 3204               5.0  6.0          4.0   0        1
## 3205               6.0  7.0          4.0   0        1
## 3206               6.0  7.0          3.0   0        1
## 3207               6.0  5.0          4.0   0        0
## 3208               5.0  7.0          4.0   0        1
## 3209               3.0  3.0          2.0   0        0
## 3210               4.0  7.0          3.0   0        1
## 3211               3.0  3.0          3.0   0        0
## 3212               6.0  7.0          5.0   0        1
## 3213               7.0  6.0          5.0   0        1
## 3214               7.0  8.0          5.0   0        1
## 3215               7.0  7.0          6.0   0        1
## 3216               4.0  3.0          1.0   0        0
## 3217               7.0  7.0          6.0   0        1
## 3218               7.0  8.0          4.0   0        1
## 3219               7.0  6.0          3.0   0        1
## 3220               8.0  9.0          5.0   0        1
## 3221               4.0  4.0          5.0   0        0
## 3222               6.0  8.0          6.0   0        1
## 3223               3.0  5.0          3.0   0        0
## 3224               9.0  8.0         10.0   1        1
## 3225               5.0  3.0          5.0   0        0
## 3226               7.0  7.0          5.0   0        1
## 3227               8.0  8.0          6.0   0        1
## 3228               8.0  5.0          7.0   0        0
## 3229               4.0  5.0          6.0   0        0
## 3230               6.0  7.0          4.0   0        1
## 3231               6.0  5.0          7.0   0        0
## 3232               4.0  6.0          6.0   0        1
## 3233               8.0  7.0          8.0   0        0
## 3234               4.0  5.0          5.0   0        0
## 3235               7.0  8.0          8.0   NA       1
## 3236               7.0  5.0          5.0   0        0
## 3237               5.0  5.0          6.0   0        0
## 3238               7.0  6.0          5.0   1        0
## 3239              10.0  5.0         10.0   1        1
## 3240               5.0  6.0          6.0   0        0
## 3241               5.0  5.0          2.0   0        0
## 3242               7.0  7.0          6.0   0        1
## 3243               4.0  4.0          3.0   0        0
## 3244               8.0  9.0          7.0   1        1
## 3245               2.0  3.0          1.0   0        0
## 3246               6.0  6.0          5.0   0        1
## 3247               9.0  9.0          7.0   0        1
## 3248               4.0  6.0          3.0   0        0
## 3249               6.0  5.0          4.0   0        1
## 3250               5.0  6.0          5.0   0        1
## 3251               6.0  6.0          6.0   0        1
## 3252               7.0  8.0          6.0   0        1
## 3253               5.0  6.0          3.0   1        0
```

```
## 3254          7.0  7.0      5.0   0      1
## 3255          6.0  6.0      4.0   0      1
## 3256          5.0  6.0      4.0   0      0
## 3257          7.0  6.0      5.0   0      1
## 3258          7.0  6.0      3.0   1      1
## 3259          7.0  8.0      5.0   0      1
## 3260          8.0  8.0      6.0   0      1
## 3261           NA  6.0      4.0   0      1
## 3262           NA  6.0      5.0   0      1
## 3263           NA  6.0      7.0   0      1
## 3264           NA  6.0      6.0   0      1
## 3265           NA  7.0      4.0   0      0
## 3266           NA  7.0      6.0   0      1
## 3267           NA  7.0      6.0   0      1
## 3268           NA  7.0      6.0   0      1
## 3269           NA  8.0      6.0   0      1
## 3270           NA  9.0      6.0   0      1
## 3271           NA  7.0      6.0   0      1
## 3272           NA  8.0      6.0   0      1
## 3273           NA  7.0      5.0   0      1
## 3274           NA  8.0      6.0   0      1
## 3275           NA  6.0      5.0   0      1
## 3276           NA  7.0      5.0   0      0
## 3277           NA  9.0      6.0   0      1
## 3278           NA  6.0      5.0   0      1
## 3279           NA  7.0      6.0   0      1
## 3280           NA  7.0      6.0   0      1
## 3281          2.0  5.0      2.0   0      0
## 3282          5.0  7.0      4.0   0      1
## 3283          7.0  6.0      2.0   0      0
## 3284          2.0  4.0      1.0  NA      0
## 3285           NA   NA      1.0   0      0
## 3286          2.0  6.0      3.0   0      0
## 3287          8.0  7.0      5.0   0      0
## 3288          7.0  5.0      3.0   0      1
## 3289          5.0  6.0      4.0   0      1
## 3290          5.0  5.0      3.0   0      1
## 3291          6.0  6.0      4.0   0      0
## 3292          3.0  3.0      2.0   0      0
## 3293          4.0  3.0      2.0   0      0
## 3294          2.0  4.0      3.0   0      0
## 3295          7.0  7.0      4.0   0      1
## 3296          2.0  2.0      2.0   0      0
## 3297          5.0  5.0      4.0   0      0
## 3298          5.0  5.0      6.0   0      0
## 3299          5.0  7.0      7.0   0      1
## 3300          9.0  8.0      8.0   0      1
## 3301          5.0  7.0      7.0   0      0
## 3302          7.0  6.0      6.0   0      0
## 3303          3.0  6.0      7.0   0      0
## 3304          6.0  7.0      7.0   0      1
## 3305          4.0  5.0      6.0   0      0
## 3306          8.0  7.0      8.0   0      1
## 3307          5.0  7.0      7.0   0      0
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```
## 3308                  0.0  2.0           0.0   0         0
## 3309                  5.0  6.0           6.0   NA        1
## 3310                   NA  7.0           7.0   0         1
## 3311                  2.0  3.0           2.0   NA        0
## 3312                  2.0  5.0           5.0   NA        0
## 3313                  8.0  7.0           6.0   0         1
## 3314                  2.0  2.0           0.0   NA        0
## 3315                  9.0  8.0           9.0   NA        1
## 3316                   NA  5.0           4.0   NA        0
## 3317                  7.0  7.0           7.0   0         1
## 3318                  8.0  8.0           7.0   0         1
## 3319                  8.0  7.0           8.0   0         1
## 3320                  6.0  7.0           8.0   0         0
## 3321                  5.0  6.0           6.0   0         0
## 3322                  7.0  8.0           7.0   0         1
## 3323                  6.0  7.0           6.0   0         0
## 3324                 10.0  9.0           8.0   0         1
## 3325                  6.0  6.0           6.0   0         0
## 3326                  8.0  8.0            NA   0         1
## 3327                  7.0  6.0           2.0   0         0
## 3328                  7.0  8.0           6.0   0         1
## 3329                  6.0  7.0           6.0   0         0
## 3330                  7.0  6.0           7.0   0         0
## 3331                  6.0  8.0           4.0   0         1
## 3332                  5.0  6.0           7.0   0         0
## 3333                  7.0  7.0           5.0   0         1
## 3334                  7.0  6.0           6.0   0         0
## 3335                  7.0  7.0           4.0   0         1
## 3336                  5.0  6.0           6.0   0         1
## 3337                  3.0  6.0           4.0   0         0
## 3338                  4.0  5.0           2.0   0         0
## 3339                  3.0  4.0           2.0   0         0
## 3340                  5.0  6.0           4.0   0         0
## 3341                  6.0  6.0           3.0   0         0
## 3342                  7.0  6.0           5.0   0         1
## 3343                  3.0  5.0           2.0   0         0
## 3344                  6.0  7.0           7.0   0         1
## 3345                  5.0  6.0           6.0   0         0
## 3346                  5.0  6.0           4.0   0         0
## 3347                  4.0  6.0           5.0   0         0
## 3348                  7.0  8.0           6.0   0         0
## 3349                  5.0  7.0           6.0   0         1
## 3350                  5.0  6.0           6.0   0         0
## 3351                  9.0  8.0           7.0   0         1
## 3352                  5.0  6.0           4.0   0         0
## 3353                  7.0  6.0           5.0   0         1
## 3354                  5.0  7.0           5.0   0         1
## 3355                  7.0  3.0           4.0   0         0
## 3356                   NA  6.0           6.0   0         1
## 3357                  3.0  2.0           3.0   0         0
## 3358                  3.0  7.0           6.0   0         1
## 3359                   NA  4.0           5.0   1         0
## 3360                  7.0  7.0           6.0   0         1
## 3361                  7.0  6.0           6.0   0         1
```

```
## 3362        NA  7.0        7.0   0       1
## 3363        NA  8.0        7.0   0       1
## 3364        NA  6.0        5.0   0       0
## 3365        NA  7.0        6.0   0       1
## 3366        NA  6.0        5.0   0       0
## 3367        NA  6.0        6.0   0       0
## 3368        NA  7.0        7.0   0       0
## 3369        NA  7.0        7.0   0       1
## 3370       7.0  8.0        7.0   0       1
## 3371       3.0  3.0        2.0   0       0
## 3372       5.0  6.0        4.0   0       1
## 3373       1.0  4.0        2.0   0       0
## 3374       1.0  3.0        7.0   0       0
## 3375       7.0  8.0        5.0   0       1
## 3376       3.0  3.0        2.0   0       0
## 3377       2.0  3.0        3.0   0       0
## 3378       7.0  7.0        5.0   0       1
## 3379       1.0  4.0        2.0   0       0
## 3380       5.0  7.0        3.0   0       1
## 3381       4.0  6.0        4.0   0       0
## 3382       5.0  8.0        2.0   0       1
## 3383        NA  6.0        4.0   0       0
## 3384       4.0  5.0        5.0   0       0
## 3385       3.0  7.0         NA   0       1
## 3386       4.0  8.0        3.0   0       1
## 3387       4.0  8.0        4.0   0       1
## 3388       6.0  7.0        2.0   0       0
## 3389        NA  5.0        5.0   0       0
## 3390       4.0  4.0        3.0   0       1
## 3391       4.0  4.0        3.0   0       0
## 3392       5.0  5.0        3.0   0       0
## 3393       5.0  7.0        3.0   0       1
## 3394       6.0  6.0        5.0  NA       1
## 3395       5.0  7.0        6.0  NA       1
## 3396       5.0  5.0        5.0   0       1
## 3397        NA  7.0        5.0   0       1
## 3398       4.0  6.0        6.0   0       1
## 3399       3.0  7.0        6.0   0       1
## 3400       3.0  3.0        3.0   0       0
## 3401       3.0  6.0        6.0   0       1
## 3402       3.0  6.0        5.0   0       1
## 3403       7.0  7.0        7.0   0       1
## 3404       4.0  7.0        7.0   0       1
## 3405       3.0  5.0        6.0   0       1
## 3406       5.0  7.0        5.0   0       1
## 3407       3.0  7.0        4.0   0       0
## 3408       4.0  8.0        6.0   0       1
## 3409       4.0  6.0        4.0   0       0
## 3410       3.0  6.0        4.0   0       0
## 3411       3.0  7.0        5.0   0       0
## 3412       4.0  6.0        4.0   0       0
## 3413       5.0  7.0        6.0   0       1
## 3414       5.0  7.0        6.0   0       1
## 3415       5.0  8.0        5.0   0       1
```

```
## 3416             9.0  9.0          8.0   0       1
## 3417             7.0  9.0          8.0   0       1
## 3418             5.0  7.0          6.0   0       0
## 3419             6.0  2.0          6.0   0       0
## 3420             9.0  9.0          8.0   1       1
## 3421             5.0  6.0          4.0   0       0
## 3422            10.0  9.0          6.0   0       1
## 3423             9.0  8.0          7.0   0       1
## 3424             8.0  9.0          7.0   0       1
## 3425             4.0  5.0          6.0   0       0
## 3426             7.0  9.0          9.0   0       1
## 3427             4.0  4.0          6.0   0       0
## 3428             6.0  6.0          9.0   0       1
## 3429             8.0  8.0          9.0   0       1
## 3430             5.0  5.0          9.0   0       0
## 3431             7.0  7.0         10.0   0       1
## 3432             8.0  8.0          9.0   0       1
## 3433             8.0  7.0          9.0   0       1
## 3434              NA  7.0          4.0   0       0
## 3435              NA  8.0          8.0   0       1
## 3436              NA  3.0          6.0   0       0
## 3437              NA  6.0          6.0   0       0
## 3438             8.0  5.0          6.0   0       0
## 3439              NA  7.0          6.0   0       0
## 3440              NA  5.0          6.0   0       0
## 3441              NA  7.0          5.0   0       0
## 3442             8.0  8.0          7.0   0       1
## 3443             2.0  6.0          8.0   0       1
## 3444             6.0  6.0          8.0   0       1
## 3445             3.0  2.0          4.0   0       0
## 3446             1.0  3.0          3.0   0       0
## 3447             5.0  1.0          2.0   0       0
## 3448             1.0  2.0          8.0   0       0
## 3449             7.0  6.0          8.0   0       1
## 3450             1.0  2.0          8.0   0       0
## 3451            10.0  4.0          8.0   0       0
## 3452             1.0  1.0          4.0   0       0
## 3453             1.0  1.0          2.0   0       0
## 3454             2.0  3.0          4.0   0       0
## 3455             1.0  1.0          5.0  NA       0
## 3456             1.0  2.0          4.0   0       0
## 3457             8.0  1.0          5.0   0       0
## 3458             4.0  1.0          5.0   0       0
## 3459             3.0  3.0          8.0   0       1
## 3460             1.0  1.0          2.0   0       0
## 3461             2.0  2.0          8.0   0       1
## 3462             1.0  6.0          3.0  NA       1
## 3463             1.0  2.0          6.0   0       0
## 3464             5.0  5.0          6.0   0       0
## 3465             8.0  7.0          7.0   0       1
## 3466             5.0  6.0          5.0   0       0
## 3467             4.0  6.0          5.0   0       1
## 3468             5.0  8.0          7.0   0       1
## 3469             6.0  6.0          5.0   0       0
```

```
## 3470                6.0  7.0           6.0  0       1
## 3471                6.0  5.0           5.0  0       0
## 3472                8.0  7.0           7.0  0       1
## 3473                7.0  7.0           6.0  0       1
## 3474                4.0  5.0           5.0  0       0
## 3475                6.0  8.0           6.0  0       1
## 3476                6.0  7.0           7.0  0       1
## 3477                5.0  6.0           5.0  0       0
## 3478                6.0  5.0           5.0  0       0
## 3479                8.0  6.0           6.0  0       1
## 3480                8.0  8.0           6.0  0       1
## 3481                4.0  5.0           4.0  0       0
## 3482                6.0  6.0           6.0  0       0
## 3483                7.0  6.0           6.0  0       0
## 3484                5.0  7.0           6.0  0       1
## 3485                2.0  4.0           5.0  0       0
## 3486                2.0  3.0           3.0  0       0
## 3487                3.0  4.0           4.0  0       0
## 3488                3.0  7.0           5.0  0       1
## 3489                4.0  8.0           5.0  0       1
## 3490                2.0  3.0           4.0  0       0
## 3491                4.0  8.0           5.0  0       1
## 3492                3.0  5.0           5.0  0       0
## 3493                2.0  3.0           3.0  0       0
## 3494                2.0  6.0           5.0  0       0
## 3495                5.0  5.0           7.0  0       0
## 3496                3.0  4.0           3.0  0       0
## 3497                2.0  3.0           3.0  0       0
## 3498                3.0  3.0           5.0  0       0
## 3499                3.0  3.0           3.0  0       0
## 3500                2.0  3.0           5.0  0       0
## 3501                2.0  4.0           5.0  0       0
## 3502                2.0  3.0           3.0  0       0
## 3503                5.0  7.0           5.0  0       0
## 3504                3.0  6.0           5.0  0       0
## 3505                5.0  3.0           3.0  0       0
## 3506                6.0  6.0           6.0  0       0
## 3507                6.0  6.0           6.0  0       0
## 3508                6.0  6.0           6.0  0       0
## 3509                6.0  6.0           6.0  0       0
## 3510                6.0  6.0           6.0  0       0
## 3511                5.0  5.0           5.0  0       0
## 3512                5.0  6.0           5.0  0       0
## 3513                5.0  6.0           5.0  0       0
## 3514                6.0  6.0           6.0  0       0
## 3515                6.0  7.0           6.0  0       0
## 3516                6.0  6.0           6.0  0       0
## 3517                6.0  6.0           6.0  0       0
## 3518                5.0  5.0           5.0  0       0
## 3519                5.0  5.0           5.0  0       0
## 3520                5.0  5.0           5.0  0       0
## 3521                6.0  6.0           6.0  0       0
## 3522                5.0  6.0           5.0  0       0
## 3523                6.0  6.0           6.0  0       0
```

```
## 3524           6.0  7.0          5.0   0       0
## 3525           6.0  7.0          6.0   0       0
## 3526           6.0  6.0          6.0   0       0
## 3527           5.0  6.0          8.0   0       0
## 3528           4.0  6.0          7.0   0       0
## 3529           5.0  6.0          5.0   0       0
## 3530           5.0  6.0          7.0   0       0
## 3531           4.0  5.0          6.0   0       0
## 3532           6.0  6.0          6.0   0       0
## 3533           7.0  8.0          7.0   0       1
## 3534           7.0  6.0          7.0   0       0
## 3535           5.0  6.0          6.0   0       0
## 3536           5.0  7.0          7.0   0       1
## 3537           4.0  5.0          8.0   0       0
## 3538           6.0  6.0          7.0   0       0
## 3539           6.0  6.0          7.0   0       0
## 3540           5.0  5.0          5.0   0       0
## 3541           4.0  3.0          2.0   0       0
## 3542           5.0  6.0          6.0   0       0
## 3543           3.0  7.0          8.0   0       1
## 3544           7.0  7.0          6.0   1       0
## 3545           6.0  5.0          5.0   0       0
## 3546           5.0  7.0          7.0   0       0
## 3547           5.0  5.0          4.0   0       0
## 3548           0.0  3.0          0.0   0       0
## 3549           2.0  3.0          2.0   0       0
## 3550           6.0  4.0          3.0   0       0
## 3551           2.0  6.0          2.0   0       0
## 3552           7.0  6.0          3.0   0       0
## 3553           0.0  3.0          0.0   0       0
## 3554           8.0  6.0          4.0   0       0
## 3555           6.0  3.0          2.0   0       0
## 3556           7.0  3.0          2.0   0       0
## 3557           6.0  6.0          5.0   0       0
## 3558           6.0  6.0          5.0   0       0
## 3559           8.0  7.0          5.0   0       0
## 3560           8.0  5.0          2.0   0       0
## 3561           6.0  3.0          2.0   0       0
## 3562           3.0  3.0          1.0   0       0
## 3563           5.0  4.0          2.0   0       0
## 3564           3.0  5.0          3.0   0       0
## 3565           6.0  6.0          3.0   0       0
## 3566           2.0  5.0          0.0   0       0
## 3567           6.0  7.0          5.0   0       0
## 3568           6.0  5.0          3.0   0       0
## 3569           3.0  3.0          1.0   0       0
## 3570            NA  5.0          6.0   0       0
## 3571           2.0  5.0          6.0   0       0
## 3572           9.0  8.0          8.0   0       1
## 3573           9.0  7.0          6.0   0       1
## 3574            NA  4.0          5.0   0       0
## 3575           7.0  7.0          4.0   0       1
## 3576           8.0  7.0          5.0   0       1
## 3577           3.0  4.0          3.0   0       0
```

```
## 3578             NA  7.0        5.0   0      1
## 3579            7.0  7.0        7.0   0      1
## 3580            5.0  6.0        5.0   0      1
## 3581            2.0  5.0        5.0   0      0
## 3582            3.0  4.0        6.0   0      0
## 3583             NA  5.0        4.0   0      0
## 3584            2.0  5.0        3.0   0      0
## 3585             NA  7.0        2.0   0      1
## 3586             NA  5.0        7.0   0      0
## 3587            4.0  4.0        6.0   0      0
## 3588             NA  8.0        5.0   0      1
## 3589            4.0  7.0        6.0   0      1
## 3590            4.0  7.0        5.0   0      1
## 3591            3.0  4.0        3.0   0      0
## 3592            4.0  5.0        4.0   0      0
## 3593            7.0  8.0        3.0   1      0
## 3594            7.0  8.0       10.0   1      1
## 3595            6.0  7.0        4.0   1      0
## 3596            2.0  5.0        1.0   0      0
## 3597            2.0  5.0        3.0   1      0
## 3598            6.0  7.0        6.0   0      1
## 3599            4.0  7.0        5.0   0      0
## 3600            2.0  6.0        5.0   0      0
## 3601            6.0  8.0        5.0   0      1
## 3602            4.0  7.0        4.0   0      0
## 3603            3.0  6.0        5.0   0      0
## 3604            2.0  5.0        4.0   0      0
## 3605            4.0  7.0        4.0   0      0
## 3606            5.0  7.0        5.0   0      0
## 3607            4.0  7.0        5.0   1      0
## 3608            4.0  7.0        4.0   1      0
## 3609            4.0  6.0        4.0   0      0
## 3610            3.0  5.0        4.0   0      0
## 3611            7.0  6.0        3.0   0      0
## 3612             NA  4.0        3.0   0      0
## 3613            6.0  7.0        5.0   0      0
## 3614            6.0  8.0       10.0   1      1
## 3615            3.0  9.0       10.0   1      1
## 3616            4.0  5.0        5.0   0      0
## 3617             NA  6.0        5.0   1      0
## 3618            6.0  7.0        5.0   1      1
## 3619            5.0  5.0        5.0   0      0
## 3620            7.0  8.0        5.0   0      1
## 3621             NA  4.0        5.0   0      0
## 3622            4.0  7.0        6.0   0      1
## 3623            5.0  7.0        4.0   0      1
## 3624            5.0  5.0        5.0   0      0
## 3625            5.0  6.0        4.0   0      0
## 3626             NA  7.0        5.0   0      1
## 3627             NA  7.0        5.0   0      1
## 3628            5.0  8.0        5.0   1      1
## 3629            7.0  7.0        5.0   0      1
## 3630             NA  8.0        6.0   0      1
## 3631            4.0  7.0        5.0   0      1
```

```
## 3632          7.0  6.0          5.0    0        0
## 3633          6.0  7.0          5.0    0        0
## 3634          7.0  7.0          5.0    0        1
## 3635          8.0  9.0         10.0    1        1
## 3636          6.0  8.0          7.0    0        1
## 3637          4.0  6.0          5.0    0        0
## 3638          5.0  6.0          5.0    1        1
## 3639          7.0  7.0          5.0    1        1
## 3640          5.0  6.0          5.0    0        0
## 3641          5.0  6.0          5.0    0        0
## 3642          4.0  7.0          5.0    0        0
## 3643          3.0  6.0          5.0    0        0
## 3644          5.0  6.0          5.0    0        0
## 3645          3.0  4.0          5.0    0        0
## 3646          4.0  3.0          4.0    0        0
## 3647          6.0  7.0          5.0    0        1
## 3648          6.0  8.0          6.0    0        1
## 3649          8.0  7.0          5.0    0        1
## 3650          6.0  7.0          5.0    1        1
## 3651          4.0  6.0          7.0    0        0
## 3652          5.0  5.0          5.0    0        0
## 3653          7.0  8.0          7.0    0        1
## 3654          4.0  7.0          2.0    0        0
## 3655          5.0  5.0          4.0    0        0
## 3656          6.0  7.0          5.0    0        0
## 3657          7.0  8.0          4.0    0        1
## 3658          3.0  7.0          3.0    0        0
## 3659          4.0  7.0          2.0    0        0
## 3660          6.0  7.0          6.0    0        0
## 3661          7.0  7.0          4.0    0        0
## 3662          6.0  6.0          6.0    0        0
## 3663          5.0  7.0          6.0    0        0
## 3664          6.0  7.0          5.0    0        0
## 3665          5.0  8.0          4.0    0        0
## 3666          5.0  8.0          5.0    0        0
## 3667          4.0  6.0          3.0    0        0
## 3668          6.0  7.0          2.0    0        0
## 3669          8.0  8.0          7.0    0        0
## 3670          5.0  6.0          2.0    0        0
## 3671          6.0  7.0          4.0    0        0
## 3672          5.0  9.0          2.0    0        0
## 3673          3.0  7.0          3.0    0        0
## 3674          5.0  8.0          5.0    0        1
## 3675          5.0  7.0          2.0    0        1
## 3676          7.0  8.0          1.0    0        0
## 3677          3.0  7.0          0.0    0        0
## 3678          0.0  7.0          0.0    0        0
## 3679          3.0  7.0          2.0    0        0
## 3680          5.0  8.0          2.0    0        0
## 3681          3.0  8.0          5.0    0        0
## 3682          3.0  7.0          3.0    0        0
## 3683          8.0  9.0          8.0    0        1
## 3684          5.0  7.0          7.0    0        1
## 3685          3.0  6.0          2.0    0        0
```

```
## 3686          6.0  7.0          6.0   0         0
## 3687          5.0  8.0          5.0   0         0
## 3689          7.0  8.0          1.0   0         1
## 3690          5.0 10.0          6.0   0         1
## 3691          7.0  8.0          6.0  NA         1
## 3692          2.0  8.0          4.0   0         0
## 3693          7.0  9.0          4.0   0         1
## 3694          3.0  7.0          4.0   0         0
## 3695          3.0  2.0          3.0   0         0
## 3696          6.0  8.0          6.0   0         1
## 3697          5.0  5.0          6.0   0         0
## 3698          6.0  6.0          5.0   0         0
## 3699          6.0  6.0          6.0   0         1
## 3700          3.0  6.0          3.0   0         0
## 3701          5.0  7.0          6.0   0         1
## 3702          6.0  6.0          6.0   1         1
## 3703          5.0  3.0          3.0   0         0
## 3704          6.0  6.0          5.0   1         1
## 3705          4.0  6.0          3.0   1         0
## 3706          5.0  6.0          6.0   0         1
## 3707          7.0  3.0          4.0   0         0
## 3708          5.0  5.0          5.0   0         0
## 3709          5.0  3.0          3.0   0         0
## 3710          6.0  7.0          6.0   0         1
## 3711          8.0  6.0          8.0   1         0
## 3712          5.0  6.0          4.0   0         0
## 3713          5.0  6.0          4.0   0         0
## 3714          6.0  6.0          4.0   0         0
## 3715          4.0  3.0          4.0   0         0
## 3716          9.0  6.0          3.0   0         1
## 3717          3.0  5.0          1.0   0         0
## 3718          8.0  6.0          1.0   0         0
## 3719          8.0  8.0          2.0   0         0
## 3720          4.0  7.0          2.0   0         0
## 3721          7.0  6.0          3.0   0         0
## 3722          3.0  6.0          2.0   0         0
## 3723          4.0  9.0          3.0   0         1
## 3724          2.0  8.0          3.0   0         1
## 3725          2.0  8.0          2.0   0         0
## 3727          2.0  8.0          2.0   0         0
## 3728          2.0  7.0          2.0   0         0
## 3729          6.0  8.0          2.0   0         0
## 3730          3.0  9.0          2.0   0         0
## 3731          7.0  7.0          2.0   0         0
## 3732          1.0  6.0          2.0   0         0
## 3733          3.0  6.0          2.0   0         0
## 3734          3.0  7.0          2.0   0         0
## 3735          2.0  8.0          2.0   0         0
## 3736          3.0  6.0          3.0   0         0
## 3737          2.0   NA          7.0   0         0
## 3738          1.0  2.0          6.0   0         0
## 3739           NA  2.0          2.0   0         0
## 3740          1.0  4.0          6.0   0         0
## 3741           NA  5.0          2.0   0         0
```

```
## 3742           NA  5.0        6.0  0       0
## 3743          3.0  6.0        7.0  0       0
## 3744           NA  3.0        5.0  0       0
## 3745          5.0  4.0        5.0  0       0
## 3746           NA  4.0        5.0  0       0
## 3747           NA  6.0        7.0  0       0
## 3748          5.0  6.0        5.0  0       1
## 3749          1.0  2.0        5.0  0       0
## 3750          5.0  3.0        5.0  0       0
## 3751          0.0  1.0        5.0  0       0
## 3752           NA  8.0        5.0  0       1
## 3753           NA  8.0        7.0  0       1
## 3754          0.0  2.0        0.0  0       0
## 3755          6.0  7.0        8.0  0       1
## 3756          0.0  6.0        3.0  0       1
## 3757          0.0  2.0        5.0  0       0
## 3758          5.0  5.0        6.0  0       0
## 3759          4.0  5.0        6.0  0       0
## 3760          4.0  5.0        6.0  0       0
## 3761          6.0  5.0        6.0  0       0
## 3762          6.0  6.0        6.0  0       0
## 3763          5.0  5.0        6.0  0       0
## 3764          5.0  5.0        6.0  0       0
## 3765          4.0  5.0        6.0  0       0
## 3766          4.0  5.0        6.0  0       0
## 3767          7.0  6.0        6.0  0       0
## 3768          4.0  5.0        7.0  0       0
## 3769          6.0  5.0        6.0  0       0
## 3770          4.0  5.0        6.0  0       0
## 3771          4.0  5.0        6.0  0       0
## 3772          5.0  5.0        3.0  0       0
## 3773          4.0  5.0        6.0  0       0
## 3774          5.0  5.0        6.0  0       0
## 3775          4.0  5.0        6.0  0       0
## 3776          7.0  5.0        6.0  0       0
## 3777          7.0  5.0        6.0  0       0
## 3778          5.0  5.0        6.0  0       0
## 3779          7.0  8.5        7.0  0       1
## 3780          8.0  8.0        7.0  0       1
## 3781           NA  7.0        5.0  0       0
## 3782          8.0  8.0        6.0  0       1
## 3783          7.0  7.0        5.0  0       1
## 3784           NA  8.0        6.0  0       0
## 3785          8.0  9.0        7.0  0       1
## 3786          5.0  8.0        5.0  0       0
## 3787          4.0  5.0        5.0  0       0
## 3788          5.0  6.0        5.0  0       0
## 3789          5.0  6.0        8.0  0       0
## 3790           NA  7.0        5.0  0       0
## 3791          6.0  7.0        5.0  0       0
## 3792          4.0  5.0        4.0  0       0
## 3793          6.0  4.0        5.0  0       0
## 3794           NA  7.0        6.0  0       1
## 3795          8.0  8.0        4.0  0       1
```

```
## 3796            8.0  9.0         6.0   0       1
## 3797            8.0  9.0         6.0   0       0
## 3798            7.0  9.0         6.0   0       1
## 3799            7.0  8.0         5.0   0       1
## 3800            8.0  7.0         7.0   0       0
## 3801            7.0  8.0         7.0   0       1
## 3802            4.0  4.0         4.0   0       0
## 3803            3.0  8.0         8.0   0       0
## 3804            7.0  8.0         7.0   0       1
## 3805            3.0  6.0         7.0   0       0
## 3806            5.0  8.0         7.0   0       1
## 3807            8.0  8.0         8.0   0       0
## 3808            5.0  6.0         7.0   0       0
## 3809            5.0  4.0         5.0   0       0
## 3810            3.0  7.0         9.0   0       1
## 3811            4.0  6.0         5.0   0       0
## 3812            5.0  7.0        10.0   0       0
## 3813            4.0  5.0         7.0   0       0
## 3814            2.0  5.0         6.0   0       0
## 3815            6.0  8.0         6.0   0       1
## 3816            4.0  8.0         7.0   0       1
## 3817            5.0  6.0         6.0   0       0
## 3818            8.0  7.0         7.0   0       1
## 3819            2.0  5.0         5.0   0       0
## 3820            5.0  7.0         6.0   0       0
## 3821            6.0  6.0         6.0   1       1
## 3822            4.0  5.0         4.0   0       0
## 3823            4.0  5.0         5.0   0       0
## 3824            8.0  7.0         6.0   0       1
## 3825            7.0  6.0         5.0   0       0
## 3826            6.0  5.0         4.0   0       0
## 3827            5.0  6.0         6.0   NA      1
## 3828            6.0  7.0         6.0   0       1
## 3829            6.0  6.0         7.0   0       1
## 3830            6.0  6.0         5.0   0       1
## 3831            5.0  6.0         5.0   0       0
## 3832            6.0  6.0         6.0   0       1
## 3833            4.0  5.0         4.0   0       0
## 3834            5.0  6.0         4.0   0       0
## 3835            4.0  5.0         4.0   0       0
## 3836            6.0  6.0         5.0   0       1
## 3837            5.0  6.0         5.0   0       1
## 3838            5.0  6.0         5.0   0       1
## 3839            5.0  5.0         5.0   0       0
## 3840            6.0  6.0         5.0   0       1
## 3841            5.0  6.0         5.0   0       1
## 3842            6.0  6.0         5.0   0       0
## 3843            6.0  6.0         5.0   0       0
## 3844            4.0  5.0         5.0   0       0
## 3845            5.0  4.0         4.0   0       0
## 3846            5.0  6.0         4.0   0       1
## 3847            2.0  4.0         4.0   0       0
## 3848            6.0  6.0         6.0   0       1
## 3849            6.0  5.0         5.0   0       0
```

```
## 3850          4.0   5.0          4.0   0          0
## 3851          6.0   7.0          5.0   0          1
## 3852          4.0   4.0          6.0   0          0
## 3853          4.0   4.0          4.0   0          0
## 3854          6.0   6.0          6.0   0          0
## 3855          4.0   6.0          6.0   0          0
## 3856          4.0   3.0          4.0   0          0
## 3857          6.0   7.0          6.0   0          1
## 3858          6.0   7.0          7.0   0          1
## 3859          7.0   7.0          6.0   0          1
## 3860          6.0   6.0          6.0   0          0
## 3861          7.0   7.0          6.0   0          1
## 3862          6.0   6.0          6.0   0          1
## 3863          6.0   4.0          5.0   0          0
## 3864          8.0   7.0          7.0   0          0
## 3865          6.0   7.0          7.0   0          0
## 3866          6.0   6.0          7.0   0          0
## 3867          7.0   8.0          8.0   0          1
## 3868          6.0   7.0          7.0   0          0
## 3869          7.0   8.0          8.0   0          1
## 3870          6.0   3.0          8.0   0          0
## 3871          8.0   6.0          9.0   0          0
## 3872          7.0   6.0          7.0   0          0
## 3873          6.0   6.0          8.0   0          0
## 3874          5.0   4.0          6.0   0          0
## 3875          4.0   4.0          8.0   0          0
## 3876          5.0   4.0          5.0   0          0
## 3877          4.0   3.0          4.0   0          0
## 3878          5.0   6.0          6.0   0          0
## 3879          4.0   6.0          7.0   0          0
## 3880          6.0   7.0          7.0   0          1
## 3881          6.0   8.0          8.0   0          0
## 3882          7.0   6.0          7.0   0          0
## 3883          6.0   6.0          8.0   0          0
## 3884          3.0   6.0          2.0   0          0
## 3885          4.0   3.0          2.0   0          0
## 3886          5.0   8.0          3.0   0          1
## 3887          8.0   5.0          1.0   0          0
## 3888          8.0   7.0          1.0   0          0
## 3889          1.0   6.0          1.0   0          0
## 3890          6.0   7.0          2.0   0          0
## 3891          4.0   4.0          1.0   0          0
## 3892          9.0   7.0          1.0   0          0
## 3893          4.0   4.0          1.0   0          0
## 3894          5.0   8.0          4.0   1          0
## 3895          4.0   8.0          5.0   0          0
## 3896          3.0   4.0          1.0   0          0
## 3897          9.0   7.0          4.0   0          0
## 3898          6.0   8.0          6.0   0          1
## 3899          7.0   6.0          5.0   0          0
## 3900          6.0  10.0         10.0   0          1
## 3901          7.0   9.0          6.0   0          1
## 3902          5.0   5.0          1.0   1          0
## 3903          4.0   4.0          2.0   0          0
```

```
## 3904           5.0  8.0          1.0    0        0
## 3905           7.0  9.0         10.0    0        1
## 3906           8.0  6.0          7.0    0        1
## 3907           3.0  5.0          8.0    0        0
## 3908           4.0  4.0          3.0    0        0
## 3909            NA  6.0          7.0    0        0
## 3910           8.0  7.0          6.0    0        0
## 3911           6.0  8.0          6.0    0        0
## 3912           5.0  5.0          2.0    0        0
## 3913           2.0  4.0          4.0    0        0
## 3914           5.0  6.0          5.0    0        0
## 3915           5.0  5.0          7.0    0        0
## 3916           9.0  7.0          6.0    0        1
## 3917           8.0  6.0          6.0    0        1
## 3918           2.0  2.0          4.0    0        0
## 3919           9.0  8.0          8.0    0        1
## 3920           2.0  4.0          5.0    0        0
## 3921           9.0  9.0          8.0    0        1
## 3922           7.0  8.0          7.0    0        1
## 3923           4.0  5.0          4.0    0        0
## 3924           7.0  6.0          4.0    0        0
## 3925           7.0  8.0          7.0    0        1
## 3926           7.0  7.0          7.0    0        1
## 3927           7.0  6.0          7.0    0        1
## 3928           6.0  5.0          6.0    0        1
## 3929           5.0  5.0          5.0    0        1
## 3930           6.0  6.0          6.0    0        1
## 3931           7.0  6.0          7.0    0        1
## 3932           7.0  8.0          6.0    0        1
## 3934           8.0  7.0          7.0    0        1
## 3935           7.0  6.0          6.0    0        1
## 3936           7.0  5.0          7.0    0        1
## 3937           7.0  7.0          6.0    0        1
## 3938           6.0  5.0          7.0    0        1
## 3939           7.0  6.0          5.0    0        1
## 3940           8.0  7.0          7.0    0        1
## 3941           5.0  5.0          7.0    0        1
## 3942           6.0  9.0          7.0    0        1
## 3943           8.0  8.0          7.0    0        1
## 3944           8.0  8.0          7.0    0        1
## 3945           5.0  6.0          6.0    0        1
## 3946           7.0  7.0          7.0    0        1
## 3947           8.0  8.0          7.0    0        1
## 3948           3.0  5.0          4.0    0        0
## 3949           4.0  5.0          6.0    0        0
## 3950           6.0  5.0          3.0    0        0
## 3951           8.0  8.0          7.0    0        1
## 3952           6.0  5.0          4.0    0        0
## 3953           5.0  7.0          5.0    0        1
## 3954          10.0 10.0         10.0    0        1
## 3955           6.0  9.0         10.0    0        1
## 3956           8.0  9.0         10.0    0        1
## 3957           6.0  6.0          3.0    0        0
## 3958           8.0  8.0          6.0    0        1
```

```
## 3959               7.0  9.0        8.0    0        1
## 3960               4.0  3.0        3.0    0        0
## 3961               3.0  7.0        2.0    0        1
## 3962               4.0  6.0        3.0    0        0
## 3963               7.0  8.0        6.0    0        1
## 3964               8.0  9.0        9.0    0        1
## 3965               5.0  7.0        7.0    0        1
## 3966               8.0  8.0        7.0    0        1
## 3967               6.0  6.0        3.0    0        0
## 3968                NA  6.0        1.0    0        0
## 3969                NA  6.0        1.0    0        0
## 3970                NA  7.0        2.0    0        0
## 3971                NA  6.0        0.0    0        0
## 3972                NA  7.0        2.0    0        0
## 3973               8.0  7.0        2.0    0        0
## 3974                NA  8.0        3.0    0        1
## 3975                NA  9.0       10.0    1        1
## 3976                NA  8.0       10.0    1        1
## 3977               7.0  7.0        2.0    1        1
## 3978                NA  5.0        1.0    0        0
## 3979               3.0  8.0        1.0    0        0
## 3980                NA  6.0        3.0    0        0
## 3981               3.0  6.0        2.0    0        0
## 3982                NA  6.0        2.0    0        0
## 3983                NA  6.0        1.0    0        0
## 3984                NA  8.0        4.0    0        1
## 3985               2.0  7.0        2.0    0        0
## 3986               7.0  7.0        3.0    0        1
## 3987                NA  6.0        2.0    0        0
## 3988                NA  6.0        0.0    0        0
## 3989               8.0  8.0        5.0    0        1
## 3990               3.0  5.0        3.0    0        0
## 3991               3.0  6.0        3.0    0        0
## 3992               2.0  5.0        3.0    0        0
## 3993               3.0  7.0        5.0    0        1
## 3994                NA  5.0        4.0    0        0
## 3995                NA  5.0        4.0    0        0
## 3996               5.0  8.0        8.0    1        1
## 3997               5.0  5.0        2.0    0        0
## 3998               2.0  5.0        3.0    0        0
## 3999               2.0  6.0        5.0    0        1
## 4000               2.0  8.0        6.0    0        1
## 4001               2.0  5.0        4.0    0        0
## 4002               8.0  6.0        5.0    0        0
## 4003               3.0  7.0        7.0    0        1
## 4004                NA  5.0        3.0    0        0
## 4005                NA  6.0        7.0    0        1
## 4006               2.0  5.0        5.0    0        0
## 4007               2.0  5.0        3.0    0        0
## 4008               2.0  5.0        4.0    0        0
## 4009               2.0  5.0        2.0    0        0
## 4010               4.0  3.0        6.0    0        0
## 4011               4.0  3.0        4.0    0        0
## 4012               4.0  3.0        6.0    0        0
```

```
## 4013                    4.0  2.0        6.0  0        0
## 4014                    6.0  6.0        6.0  0        1
## 4015                    4.0  4.0        4.0  0        0
## 4016                    4.0  4.0        3.0  0        0
## 4017                    2.0  1.0        1.0  0        0
## 4018                    5.0  5.0        3.0  1        1
## 4019                    8.0  4.0        1.0  1        0
## 4020                    4.0  5.0        3.0  0        0
## 4021                    4.0  8.0        4.0  0        0
## 4022                    6.0  6.0        5.0  0        1
## 4023                    3.0  6.0        4.0  0        0
## 4024                    4.0  6.5        6.5  0        1
## 4025                    4.0  4.0        6.0  0        0
## 4026                    6.0  8.0        8.0  0        1
## 4027                    4.0  6.0        3.0  0        1
## 4028                    4.0  5.0        5.0  0        1
## 4029                    3.0  4.0        5.0  0        0
## 4030                    5.0  7.0        3.0  0        0
## 4031                    5.0  5.0        2.0  0        0
## 4032                    2.0  4.0        4.0  0        0
## 4033                    6.0  3.0        1.0  0        0
## 4034                    7.0  6.0        2.0  0        1
## 4035                    6.0  7.0        3.0  0        1
## 4036                    7.0  5.0        2.0  0        0
## 4037                    6.0  9.0        3.0  0        1
## 4038                    6.0  6.0        2.0  1        0
## 4039                    7.0  7.0        5.0  1        1
## 4040                    7.0  7.0        3.0  1        1
## 4041                    4.0  4.0        5.0  0        0
## 4042                    5.0  7.0        3.0  0        1
## 4043                    7.0  8.0        5.0  1        1
## 4044                    3.0  4.0        2.0  0        0
## 4045                    5.0  7.0        1.0  0        0
## 4046                    5.0  4.0        3.0  0        0
## 4047                    7.0  7.0        2.0  0        0
## 4048                    6.0  8.0        5.0  0        1
## 4049                    7.0  8.0        4.0  0        1
## 4050                    5.0  6.0        3.0  0        1
## 4051                    5.0  5.0        2.0  0        0
## 4052                    5.0  8.0        6.0  0        1
## 4053                    4.0  4.0        2.0  0        0
## 4054                    5.0  7.0        4.0  0        1
## 4055                    2.0  6.0        3.0  0        0
## 4056                    2.0  3.0        2.0  0        0
## 4057                    7.0  8.0        6.0  0        1
## 4058                    4.0  7.0        6.0  0        1
## 4059                    8.0  6.0        7.0  0        0
## 4060                    5.0  6.0        2.0  0        0
## 4061                    3.0  5.0        5.0  0        0
## 4062                    4.0  8.0        4.0  0        1
## 4063                    6.0  8.0        6.0  0        1
## 4064                    2.0  4.0        1.0  0        1
## 4065                    3.0  5.0        3.0  0        1
## 4066                    8.0  9.0        6.0  0        1
```

```
## 4067                3.0  3.0              1.0   0        0
## 4068                5.0  8.0              4.0   0        1
## 4069                8.0  9.0              5.0   0        1
## 4070                9.0  8.0              7.0   0        1
## 4071                2.0  4.0              2.0   0        0
## 4072                4.0  6.0              5.0   0        1
## 4073                7.0  7.0              2.0   0        1
## 4074                6.0  7.0              2.0   0        0
## 4075                5.0  7.0              5.0   0        1
## 4076                5.0  5.0              2.0   0        0
## 4077                7.0  7.0              7.0   0        1
## 4078                7.0  7.0              6.0   0        1
## 4079                7.0  8.0              6.0   0        1
## 4080                 NA  7.0              3.0   0        1
## 4081                9.0 10.0              6.0   0        1
## 4082                 NA  7.0              3.0   0        1
## 4083                7.0  7.0              5.0   0        1
## 4084                8.0  8.0              6.0   0        1
## 4085                7.0  7.0              3.0   0        1
## 4086                0.0  7.0              2.0   0        1
## 4087                7.0  7.0              3.0   0        1
## 4088                8.0  8.0              7.0   0        1
## 4089                9.0  9.0              6.0   0        1
## 4090                 NA  7.0              7.0   0        1
## 4091                9.0  8.0              7.0   0        1
## 4092                8.0  8.0              5.0   0        1
## 4093                7.0  8.0              4.0   0        1
## 4094                9.0  9.0              9.0   0        1
## 4095                1.0  1.0              1.0   0        0
## 4096               10.0  9.0              9.0   0        1
## 4097                9.0  9.0              6.0   0        1
## 4098                9.0  6.0              6.0   0        1
## 4099               10.0  9.0              6.0   0        1
## 4100                6.0 10.0              6.0   0        1
## 4101                9.0  9.0              9.0   0        1
## 4102                7.0  6.0              6.0   0        1
## 4103                6.0  8.0              8.0   0        1
## 4104               10.0 10.0             10.0   0        1
## 4105                1.0  1.0              1.0   0        0
## 4106               10.0 10.0             10.0   0        1
## 4107               10.0 10.0             10.0   0        1
## 4108               10.0 10.0             10.0   0        1
## 4109                5.0  1.0              1.0   0        0
## 4110               10.0 10.0             10.0   0        1
## 4111                9.0  6.0              9.0   0        1
## 4112                9.0  6.0              9.0   0        1
## 4113                9.0  9.0              9.0   0        1
## 4114               10.0 10.0              6.0   0        1
## 4115                 NA  7.0              3.0   0        0
## 4116                 NA  2.0              1.0   0        0
## 4117                 NA  3.0              1.0   0        0
## 4118                 NA  8.0              5.0   0        1
## 4119                7.0  8.0              4.0   0        1
## 4120                7.0  7.0              5.0   0        1
```

```
## 4121          NA  8.0          4.0   0        1
## 4122          NA  4.0          1.0   0        0
## 4123          NA  6.0          4.0   0        0
## 4124          NA  6.0          3.0   0        0
## 4125          NA  7.0          2.0   0        0
## 4126          NA  7.0          4.0   0        0
## 4127          NA  6.0          3.0  NA        0
## 4128          NA  4.0          1.0   0        0
## 4129          NA  7.0          5.0   0        0
## 4130          NA  7.0          3.0   0        0
## 4131          NA  7.0          5.0   0        1
## 4132         6.0  7.0          4.0   0        0
## 4133         6.0  7.0          3.0   0        0
## 4134          NA  3.0          1.0  NA        0
## 4135          NA  6.0          4.0   0        0
## 4136         4.0  4.5          8.0   0        1
## 4137         4.0  4.5          8.0   0        1
## 4138         8.0  8.0          8.0   0        1
## 4139         3.0  3.0          3.0   0        1
## 4140         6.0  6.0          6.0   0        1
## 4141         8.0  8.0          9.0   0        1
## 4142         7.0  6.5          7.0   0        1
## 4143         9.0  9.0          9.0   0        1
## 4144         6.0  6.0          6.0   0        1
## 4145         6.0  6.0          6.0   0        1
## 4146         7.0  7.0          7.0   0        1
## 4147         6.0  6.0          6.0   0        1
## 4148         7.0  7.0          7.0   0        1
## 4149         7.0  7.0          7.0   0        1
## 4150         7.5  7.5          7.5   0        1
## 4151         6.0  6.0          6.0   0        1
## 4152         8.5  8.5          8.5   0        1
## 4153         8.0  8.0          8.0   0        1
## 4154         6.0  6.0          6.0   0        1
## 4155         6.0  6.0          6.0   0        1
## 4156         8.0  8.0          8.0   0        1
## 4157          NA  4.0          3.0   0        0
## 4158          NA  3.0          2.0   0        0
## 4159         6.0  4.0          2.0   0        0
## 4160         7.0  4.0          4.0   0        0
## 4161         8.0  5.0          3.0   0        1
## 4162          NA  5.0          2.0   0        0
## 4163         8.0  5.0          3.0   0        1
## 4164          NA  6.0          2.0   0        0
## 4165         8.0  5.0          3.0   0        0
## 4166         9.0  7.0          5.0   0        1
## 4167          NA  4.0          3.0   0        0
## 4168         8.0  5.0          5.0   0        1
## 4169          NA  5.0          3.0   0        0
## 4170         4.0  4.0          3.0   0        1
## 4171         9.0  5.0          4.0   0        1
## 4172          NA  4.0          3.0   0        0
## 4173          NA  4.0          4.0   0        1
## 4174          NA  5.0          4.0   0        0
```

```
## 4175          NA  6.0          4.0  0        1
## 4176          NA  6.0          5.0  0        1
## 4177          NA  7.0          5.0  0        1
## 4178          NA  6.0          6.0  0        1
## 4179          NA  4.0          5.0  0        0
## 4180         9.0  8.0          8.0  0        1
## 4181         9.0  7.0          6.0  0        1
## 4182         5.0  6.0          6.0  0        1
## 4183         6.0  7.0          6.0  0        1
## 4184         4.0  5.0          5.0  0        1
## 4185         4.0  5.0          5.0  0        0
## 4186         6.0  7.0          6.0  0        1
## 4187         7.0  4.0          5.0  0        0
## 4188         6.0  6.0          7.0  0        1
## 4189          NA  6.0          7.0  0        0
## 4190        10.0  9.0          8.0  0        1
## 4191         6.0  6.0          7.0  0        1
## 4192          NA  6.0          6.0  0        1
## 4193        10.0  9.0          8.0  0        1
## 4194         9.0  9.0          7.0  NA       1
## 4195         7.0  8.0          7.0  0        1
## 4196         6.0  6.0          5.0  0        1
## 4197         7.0  8.5          7.0  0        1
## 4198         6.0  8.0          6.0  0        1
## 4199         5.0  5.0          3.0  0        0
## 4200         5.0  4.0          2.0  0        0
## 4201         5.0  5.0          5.0  0        0
## 4202         5.0  5.0          5.0  0        0
## 4203         5.0  6.0          3.0  0        1
## 4204         5.0  5.0          2.0  0        0
## 4205         5.0  4.0          2.0  0        0
## 4206         5.0  4.0          3.0  0        0
## 4207         5.0  5.0          3.0  0        0
## 4208         5.0  5.0          3.0  0        0
## 4209         5.0  6.0          4.0  0        0
## 4210         7.0  7.0          4.0  0        1
## 4211         5.0  4.0          3.0  0        0
## 4212         3.0  3.0          3.0  0        0
## 4213         5.0  6.0          3.0  0        1
## 4214         3.0  4.0          3.0  0        0
## 4215         5.0  6.0          4.0  0        1
## 4216         5.0  6.0          3.0  0        1
## 4217         3.0  5.0          3.0  0        0
## 4218         3.0  3.0          3.0  0        0
## 4219         4.0  4.0          3.0  0        0
## 4220         2.0  5.0          3.0  0        0
## 4221         2.0  3.0          2.0  0        0
## 4222         5.0  8.0          5.0  0        1
## 4223         3.0  4.0          3.0  0        0
## 4224         7.0  7.0          6.0  0        1
## 4225         5.0  7.0          5.0  0        1
## 4226         2.0  6.0          3.0  0        0
## 4227         5.0  5.0          3.0  0        0
## 4228         2.0  4.0          2.0  0        0
```

```
## 4229                    2.0  3.0              1.0   0        0
## 4230                    8.0  8.0              7.0   0        1
## 4231                    7.0  8.0              6.0   0        1
## 4232                    7.0  7.0              4.0   0        1
## 4233                    2.0  3.0              1.0   0        0
## 4234                    6.0  8.0              7.0   0        1
## 4235                    3.0  5.0              3.0   0        0
## 4236                    8.0  8.0              3.0   0        1
## 4237                    9.0  9.0              6.0   0        1
## 4238                    5.0  5.0              3.0   0        0
## 4239                    1.0  2.0              1.0   0        0
## 4240                    2.0  4.0              2.0   0        0
## 4241                    4.0  3.0              3.0   0        0
## 4242                    4.0  4.0              3.0   0        0
## 4243                    4.0  4.0              4.0   0        0
## 4244                    5.0  4.0              4.0   0        0
## 4245                    8.0  7.0              5.0   1        1
## 4246                    6.0  5.0              4.0   0        1
## 4247                    4.0  6.0              5.0   0        1
## 4248                    8.0  3.0              3.0   1        0
## 4249                    5.0  6.0              4.0   1        0
## 4250                    3.0  4.0              3.0   0        0
## 4251                    3.0  3.0              3.0   0        0
## 4252                    8.0  7.0              5.0   0        1
## 4253                    4.0  3.0              2.0   0        0
## 4254                    4.0  3.0              2.0   0        0
## 4255                    8.0  6.0              4.0   0        1
## 4256                    3.0  3.0              3.0   0        0
## 4257                    7.0  8.0              7.0   0        1
## 4258                    5.0  6.0              4.0   0        1
## 4259                    6.0  3.0              3.0   0        0
## 4260                    4.0  4.0              4.0   0        0
## 4261                    3.0  6.0              5.0   0        0
## 4262                    7.0  7.0              6.0   0        1
## 4263                    6.0  7.0              7.0   0        1
## 4264                    7.0  7.0              6.0   0        1
## 4265                    6.0  6.0              6.0   0        1
## 4266                    6.0  6.0              7.0   0        1
## 4267                    6.0  6.0              5.0   0        1
## 4268                    6.0  6.0              5.0   0        1
## 4269                    6.0  6.0              5.0   0        1
## 4270                    7.0  6.0              7.0   0        1
## 4271                    6.0  6.0              6.0   1        1
## 4272                    6.0  5.0              7.0   0        1
## 4273                    6.0  6.0              6.0   0        1
## 4274                    6.0  5.0              5.0   0        1
## 4275                    6.0  5.0              5.0   0        0
## 4276                    8.0  7.0              7.0   0        1
## 4277                    6.0  7.0              7.0   0        1
## 4278                    8.0  8.0              7.0   0        1
## 4279                    7.0  7.0              7.0   0        1
## 4280                    6.0  7.0              5.0   0        1
## 4281                    6.0  6.0              5.0   0        1
## 4282                    7.0  7.0              6.0   0        1
```

```
## 4283            5.0  7.0        7.0    0        0
## 4284            7.0  8.0        6.0    0        1
## 4285            4.0  5.0        4.0    0        0
## 4286            4.0  5.0        4.0    0        0
## 4287            4.0  6.0        5.0    0        1
## 4288            5.0  8.0        7.0    0        1
## 4289            7.0  9.0        7.0    0        1
## 4290            4.0  5.0        4.0    0        0
## 4291            4.0  7.0        6.0    0        0
## 4292            4.0  5.0        4.0    0        0
## 4293            4.0  5.0        5.0    0        0
## 4294            6.0  7.0        7.0    0        1
## 4295            4.0  7.0        7.0    0        1
## 4296            3.0  4.0        4.0    0        0
## 4297            4.0  7.0        8.0    0        1
## 4298            4.0  3.0        4.0    0        0
## 4299            6.0  7.0        5.0    0        1
## 4300            5.0  5.0        7.0    0        0
## 4301            4.0  5.0        4.0    0        0
## 4302            6.0  7.0        7.0    0        0
## 4303            7.0  7.0        8.0    0        1
## 4304            8.0  8.0        8.0    0        1
## 4305            8.0  6.0        6.0    0        0
## 4306            6.0  6.0        6.0    0        0
## 4307            4.0  5.0        4.0    0        0
## 4308            4.0  6.0        5.0    0        0
## 4309            5.0  6.0        7.0    0        0
## 4310            7.0  6.0        7.0    0        0
## 4311            4.0  4.0        4.0    0        0
## 4312            4.0  4.0        5.0    0        0
## 4313            5.0  5.0        5.0    0        0
## 4314            3.0  3.0        4.0    0        0
## 4315            5.0  6.0        6.0    0        0
## 4316            3.0  5.0        5.0    0        0
## 4317            2.0  3.0        3.0    0        0
## 4318            3.0  5.0        5.0    0        0
## 4319            6.0  6.0        6.0    0        0
## 4320            7.0  8.0        7.0    0        1
## 4321            6.0  7.0        6.0    0        1
## 4322            5.0  5.0        4.0    0        0
## 4323            7.0  7.0        7.0    0        1
## 4324             NA  7.0        7.0    0        1
## 4325            6.0  9.0        6.0    0        0
## 4326            7.0  7.0        3.0    0        0
## 4327            3.0  4.0        2.0    0        0
## 4328            2.0  6.0        1.0    0        0
## 4329            7.0  8.0        4.0    0        0
## 4330            8.0  8.0        5.0    0        0
## 4331            8.0  8.0        2.0    0        0
## 4332            6.0  7.0        6.0    0        0
## 4333            8.0  8.0        6.0    0        1
## 4334            5.0  7.0        5.0    0        0
## 4335            5.0  7.0        2.0    0        0
## 4336            7.0  5.0        1.0    0        0
```

```
## 4337          9.0  6.0         2.0   0        0
## 4338          1.0  3.0         1.0   0        0
## 4339           NA  7.0         4.0   0        0
## 4340           NA  6.0         6.0   0        1
## 4341           NA  6.0         7.0   0        1
## 4342           NA  7.0         5.0   0        1
## 4343          7.0  6.0         6.0   0        0
## 4344          9.0  8.0         7.0   0        1
## 4345           NA  6.0         6.0   0        0
## 4346           NA  7.0         7.0   0        0
## 4347           NA  6.0         6.0   0        0
## 4348           NA  8.0         6.0   0        1
## 4349          8.0  8.0         5.0   0        0
## 4350           NA  5.0         6.0   0        0
## 4351           NA  7.0         5.0   0        0
## 4352           NA  6.0         6.0   0        1
## 4353          4.0  3.0         1.0   0        0
## 4354          5.0  6.0         1.0   0        0
## 4355          3.0  2.0         1.0   0        0
## 4356          5.0  2.0         1.0   0        0
## 4357          5.0  6.0         5.0   0        0
## 4358          8.0  8.0         1.0   0        1
## 4359          2.0  2.0         1.0   0        0
## 4360          5.0  6.0         5.0   0        1
## 4361          8.0  8.0         8.0   0        1
## 4362          8.0  8.0         7.0   0        1
## 4363          8.0  6.0         6.0   0        0
## 4364          5.0  6.0         8.0   0        1
## 4365          5.0  5.0         3.0   0        0
## 4366          7.0  8.0         8.0   0        1
## 4367          8.0  6.0         8.0   0        1
## 4368          8.0  7.0         9.0   0        1
## 4369          7.0  7.0         8.0   0        1
## 4370          8.0  5.0         8.0   0        0
## 4371          6.0  5.0         7.0   0        0
## 4372          7.0  7.0         8.0   0        0
## 4373          6.0  7.0         6.0   0        0
## 4374          5.0  4.0         5.0   0        0
## 4375          7.0  7.0         8.0   0        1
## 4376          8.0  7.0         7.0   0        1
## 4377          9.0  6.0         8.0   0        0
## 4378         10.0  7.0        10.0   0        1
## 4379          7.0  4.0         7.0   0        0
## 4380          5.0  6.0         8.0   0        0
## 4381          6.0  6.0         6.0   0        0
## 4382          5.0  8.0         7.0   0        1
## 4383          6.0  7.0         7.0   0        0
## 4384          8.0  9.0         7.0   0        1
## 4385          7.0  8.0         7.0   0        1
## 4386          8.0  8.0         7.0   0        1
## 4387          6.0  6.0         6.0   0        0
## 4388          8.0  8.0         8.0   0        0
## 4389          9.0  9.0         7.0   0        1
## 4390          5.0  7.0         6.0   0        1
```

```
## 4391            5.0  6.0           6.0   0        0
## 4392            8.0  7.0           7.0   0        0
## 4393            5.0  6.0           6.0   0        0
## 4394            7.0  7.0           7.0   0        1
## 4395            5.0  9.0           8.0   0        0
## 4396            7.0  7.0           5.0   0        0
## 4397            8.0  8.0           3.0   0        0
## 4398            9.0  9.0           8.0   0        1
## 4399           10.0  8.0           7.0   0        1
## 4400            7.0  8.0           6.0   0        1
## 4401            7.0  8.0           7.0   0        0
## 4402            4.0  8.0           6.0   0        0
## 4403            8.0  9.0           8.0   0        1
## 4404            8.0  9.0           8.0  NA        0
## 4405            6.0  7.0           6.0   0        0
## 4406            8.0  8.0           7.0   0        0
## 4407            4.0  6.0           5.0   0        0
## 4408            2.0  4.0           3.0   0        0
## 4409            8.0  7.0          10.0   1        0
## 4410            9.0 10.0           9.0   0        1
## 4411            2.0  4.0           8.0   0        0
## 4412            9.0  9.0           8.0   0        0
## 4413           10.0  9.0           9.0   0        1
## 4414            9.0 10.0           9.0   0        1
## 4415            2.0  3.0           2.0   0        0
## 4416            7.0  8.0           9.0   0        1
## 4417           10.0  9.0           9.0   0        1
## 4418            9.0 10.0           9.0   0        1
## 4419            6.0  6.0          10.0   0        0
## 4420           10.0  9.0           9.0   0        1
## 4421            9.0  8.0           8.0   0        0
## 4422            9.0  7.0           9.0   0        0
## 4423            2.0  5.0           5.0   0        0
## 4424            6.0  6.0           5.0   0        1
## 4425            2.0  2.0           2.0   0        0
## 4426            6.0  7.0           6.0   0        1
## 4427            6.0  3.0           4.0   0        0
## 4428            6.0  8.0           6.0   0        1
## 4429            6.0  5.0           4.0   0        0
## 4430            5.0  5.0           4.0   0        0
## 4431            4.0  7.0           5.0   0        0
## 4432            5.0  8.0           5.0   0        1
## 4433            2.0  6.0           6.0   0        1
## 4434            6.0  4.0           5.0   0        0
## 4435            5.0  5.0           5.0   0        0
## 4436            6.0  7.0           6.0   0        1
## 4437            5.0  5.0           7.0   0        0
## 4438             NA  4.0           4.0   0        0
## 4439             NA  2.0           5.0   0        0
## 4440            7.0  7.0           8.0   0        1
## 4441           10.0 10.0          10.0   0        1
## 4442            8.0  5.0           7.0   0        0
## 4443            6.0  4.0           5.0   0        0
## 4444            5.0  7.0           8.0   0        1
```

```
## 4445           NA  7.0        6.0   0      1
## 4446           NA  6.0        6.0   0      0
## 4447           NA  4.0        5.0   0      0
## 4448           NA  3.0        6.0   0      0
## 4449           NA  4.0        7.0   0      0
## 4450           NA  5.0        5.0   0      0
## 4451          6.0  6.0        8.0   0      0
## 4452          7.0  7.0        8.0   0      0
## 4453          2.0  4.0        6.0   0      0
## 4454          6.0  7.0        6.0   0      0
## 4455          7.0  7.0        8.0   0      0
## 4456          7.0  8.0        8.0   0      1
## 4457          6.0  7.0        7.0   0      0
## 4458          5.0  5.0        6.0   0      0
## 4459          5.0  7.0        7.0   0      0
## 4460          7.0  7.0         NA   0      0
## 4461          5.0  6.0        8.0   0      0
## 4462          4.0  4.0        7.0   0      0
## 4463          7.0  6.0        8.0   0      0
## 4464          5.0  6.0        7.0   0      0
## 4465          0.0  5.0        2.0   0      0
## 4466          4.0  5.0        5.0   0      0
## 4467          0.0  3.0        3.0   0      0
## 4468          5.0  5.0        5.0   0      0
## 4469          5.0  5.0        5.0   0      0
## 4470          5.0  6.0        5.0   0      0
## 4471          4.0  6.0        5.0   0      0
## 4472          2.0  6.0        5.0   0      0
## 4473          5.0  6.0        5.0   0      0
## 4474          8.0  9.0        5.0   0      1
## 4475          2.0  6.0        5.0   0      0
## 4476          0.0  5.0        4.0  NA      0
## 4477          3.0  5.0        5.0   0      0
## 4478          0.0  4.0        5.0  NA      0
## 4479          6.0  7.0        8.0   1      0
## 4480          7.0  8.0        8.0   0      1
## 4481          5.0  7.0        7.0   0      1
## 4482          7.0  8.0        7.0   0      1
## 4483          8.0  8.0        7.0   0      1
## 4484          6.0  7.0        6.0   0      0
## 4485          6.0  7.0        7.0   0      1
## 4486          8.0  8.0        7.0   0      1
## 4487          7.0  6.0        6.0   0      0
## 4488          3.0  7.0        7.0   0      0
## 4489          8.0  5.0        6.0   0      0
## 4490          6.0  6.0        7.0   0      0
## 4491          5.0  6.0        6.0   0      0
## 4492          5.0  6.0        6.0   0      1
## 4493          9.0  8.0        5.0   1      0
## 4494          6.0  8.0        6.0   0      1
## 4495          5.0  6.0        5.0   0      0
## 4496          6.0  8.0        6.0   0      1
## 4497          6.0  7.0        6.0   0      1
## 4498          6.0  7.0        6.0   0      1
```

```
## 4499            6.0  6.0           7.0   0       0
## 4500            6.0  8.0           7.0   0       1
## 4501            6.0  7.0           6.0   0       1
## 4502            6.0  8.0           6.0   0       1
## 4503            6.0  5.0           5.0   0       0
## 4504            5.0  5.0           5.0   0       0
## 4505            5.0  5.0           5.0   0       0
## 4506            4.0  6.0           6.0   0       0
## 4507            4.0  6.0           5.0   0       0
## 4508            5.0  6.0           3.0   0       0
## 4509            3.0  4.0           3.0   0       0
## 4510            5.5  7.0           5.0   0       1
## 4511            7.0  8.0           6.0   NA      1
## 4512            8.0  9.0           7.0   0       1
## 4513            4.0  6.0           4.0   0       0
## 4514            6.5  6.0           5.0   0       0
## 4515            7.0  7.0           5.0   0       1
## 4516            7.0  7.0           6.0   0       1
## 4517            5.0  5.0           4.0   0       0
## 4518            5.0  6.0           6.0   0       0
## 4519            4.0  5.0           4.0   0       0
## 4520            5.0  7.0           3.0   0       0
## 4521            8.0  9.0           6.0   0       1
## 4522            7.0  9.0           5.0   0       1
## 4523            7.0  8.0           4.0   0       1
## 4524            7.0  9.0           4.0   0       1
## 4525            7.0  9.0           5.0   0       1
## 4526            8.0  9.0           6.0   0       1
## 4527            7.0  7.0           5.0   1       0
## 4528            8.0  8.0           2.0   0       0
## 4529            7.0  9.0           5.0   0       0
## 4530            6.0  8.0           2.0   0       0
## 4531            7.0  8.0           4.0   0       0
## 4532            7.0  8.0           5.0   1       0
## 4533            7.0  9.0           6.0   1       0
## 4534            7.0  9.0           5.0   0       1
## 4535             NA  8.0           3.0   0       0
## 4536             NA  8.0           4.0   0       0
## 4537            4.0  5.0           8.0   0       0
## 4538            8.0  8.0           4.0   0       0
## 4539            4.0  8.0           3.0   0       0
## 4540             NA  7.0           3.0   0       0
## 4541             NA  8.0           6.0   0       0
## 4542            7.0  8.0           8.0   0       1
## 4543            0.0  3.0           2.0   0       0
## 4544             NA  8.0           9.0   0       1
## 4545            4.0  8.0           2.0   0       0
## 4546            5.0  8.0           5.0   0       1
## 4547             NA  8.0           4.0   0       0
## 4548             NA  8.0           8.0   NA      1
## 4549            5.0  7.0           6.0   0       0
## 4550            4.0  6.0           5.0   0       0
## 4551            6.0  5.0           5.0   0       0
## 4552            6.0  8.0           7.0   0       1
```

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## 4553                    4.0  5.0          5.0   0          0
## 4554                    5.0  5.0          4.0   NA         0
## 4555                    4.0  5.0          4.0   0          0
## 4556                    4.0  7.0          6.0   0          1
## 4557                    4.0  4.0          4.0   0          0
## 4558                    5.0  6.0          4.0   0          0
## 4559                    5.0  7.0          6.0   0          1
## 4560                    4.0  6.0          5.0   0          0
## 4561                    3.0  6.0          5.0   0          0
## 4562                    5.0  8.0          7.0   0          1
## 4563                    5.0  7.0          5.0   NA         0
## 4564                    8.0  6.0          6.0   0          0
## 4565                    6.0  7.0          7.0   0          0
## 4566                    8.0  7.0          6.0   0          1
## 4567                    6.0  7.0          4.0   0          0
## 4568                    5.0  6.0         10.0   0          0
## 4569                    7.0  5.0          4.0   0          0
## 4570                    8.0  6.0         10.0   NA         1
## 4571                    8.0  3.0          0.0   0          0
## 4572                    8.0  8.0          7.0   0          1
## 4573                    5.0  6.0          9.0   0          1
## 4574                    7.0  6.0         10.0   0          0
## 4575                    7.0  7.0          8.0   0          0
## 4576                    6.0  7.0          8.0   0          0
## 4577                    8.0  8.0          7.0   0          1
## 4578                    2.0  3.0          5.0   0          0
## 4579                    2.0  4.0          5.0   0          0
## 4580                    2.0  5.0          6.0   0          0
## 4581                    4.0  5.0          6.0   0          0
## 4582                    3.0  5.0          7.0   0          0
## 4583                    2.0  3.0          5.0   0          0
## 4584                    3.0  4.0          3.0   0          0
## 4585                    8.0  6.0         10.0   0          0
## 4586                    9.0  9.0          6.0   0          1
## 4587                    3.0  6.0          6.0   0          0
## 4588                    5.0  5.0          5.0   0          0
## 4589                    2.0  5.0          6.0   0          0
## 4590                    6.0  7.0          7.0   0          1
## 4591                    8.0  6.0          7.0   0          0
## 4592                    9.0  7.0          7.0   0          0
## 4593                    4.0  4.0          6.0   0          0
## 4594                    6.0  7.0          8.0   0          1
## 4595                    5.0  7.0          7.0   0          0
## 4596                    4.0  5.0          4.0   0          0
## 4597                    6.0  6.0          7.0   0          0
## 4598                    5.0  8.0          8.0   0          0
## 4599                    5.0  4.0          7.0   0          0
## 4600                    6.0  9.0          6.0   0          1
## 4601                    6.0  7.0          7.0   0          0
## 4602                    4.0  5.0          5.0   0          0
## 4603                    4.0  4.0          5.0   0          0
## 4604                    8.0  8.0          7.0   0          0
## 4605                    6.0  6.0          6.0   0          1
## 4606                    4.0  5.0          6.0   0          0
```

```
## 4607          5.0  5.0        6.0  0        0
## 4608          5.0  7.0        5.0  0        1
## 4609          4.0  4.0        4.0  0        0
## 4610          4.0  5.0        5.0  0        0
## 4611          4.0  4.0        4.0  0        0
## 4612          6.0  6.0        6.0  0        1
## 4613          6.0  6.0        5.0  0        0
## 4614          6.0  7.0        6.0  0        1
## 4615          5.0  6.0        5.0  0        0
## 4616          5.0  6.0        6.0  0        0
## 4617          6.0  8.0        7.0  0        1
## 4618          6.0  7.0        6.0  0        1
## 4619          7.0  9.0        5.0  0        1
## 4620          3.0  6.0        4.0  0        1
## 4621          4.0  8.0        3.0  NA       0
## 4622          4.0  6.0        4.0  0        0
## 4623          5.0  7.0        5.0  0        1
## 4624          4.0  7.0        5.0  0        1
## 4625          3.0  6.0        6.0  0        0
## 4626          3.0  6.0        3.0  0        0
## 4627          2.0  4.0        1.0  0        0
## 4628          3.0  6.0        4.0  0        0
## 4629          3.0  6.0        4.0  0        0
## 4630          5.0  7.0        6.0  0        1
## 4631          2.0  7.0        6.0  0        1
## 4632          4.0  8.0        7.0  0        1
## 4633          6.0  7.0        6.0  0        1
## 4634          3.0  4.0        3.0  0        0
## 4635          5.0  6.0        6.0  0        1
## 4636          5.0  6.0        5.0  0        1
## 4637          3.0  3.0        3.0  0        0
## 4638          5.0  7.0        7.0  0        1
## 4639          8.0  6.0        7.0  0        1
## 4640          3.0  3.0        2.0  0        0
## 4641          6.0  5.0        5.0  0        0
## 4642          3.0  4.0        4.0  0        0
## 4643          6.0  8.0        5.0  0        1
## 4644          3.0  3.0        2.0  0        0
## 4645          2.0  2.0        2.0  0        0
## 4646          4.0  6.0        3.0  0        1
## 4647          7.0  8.0        7.0  0        1
## 4648          4.0  5.0        6.0  0        0
## 4649          6.0  7.0        7.0  0        1
## 4650          4.0  5.0        5.0  0        0
## 4651          2.0  4.0        7.0  0        0
## 4652          4.0  6.0        8.0  0        0
## 4653          5.0  6.0        6.0  0        0
## 4654          5.0  6.0        8.0  NA       0
## 4655          4.0  5.0        7.0  0        0
## 4656          9.0  7.0        7.0  0        1
## 4657          7.0  8.0        6.0  0        1
## 4658          5.0  7.0        9.0  0        1
## 4659          5.0  6.0        7.0  0        0
## 4660          9.0  7.0        7.0  0        1
```

```
## 4661          5.0  6.0          3.0   0        1
## 4662          7.0  7.0          1.0   0        0
## 4663          6.0  8.0          1.0   0        1
## 4664          5.0  8.0          1.0   0        1
## 4665          5.0  6.0          1.0   0        1
## 4666          5.0  5.0          1.0   0        1
## 4667          5.0  7.0          1.0   0        1
## 4668          6.0  7.0          1.0   0        0
## 4669          4.0  5.0          1.0   0        0
## 4670          5.0  6.0          1.0   0        1
## 4671          3.0  5.0          1.0   0        0
## 4672          4.0  5.0          2.0   0        0
## 4673          4.0   NA          3.0   0        0
## 4674          3.0  6.0          2.0   0        0
## 4675          8.0  8.0          7.0   0        1
## 4676          7.0  6.0          6.0   0        0
## 4677          8.0  8.0          7.0   0        1
## 4678          8.0  9.0          9.0   0        1
## 4679          5.0  6.0          7.0  NA        0
## 4680          9.0  8.0          8.0   0        1
## 4681          8.0  7.0          7.0   0        1
## 4682         10.0  6.0          5.0   0        0
## 4683          5.0  6.0          5.0   0        0
## 4684         10.0  8.0          5.0   0        1
## 4685          8.0  7.0          7.0   0        0
## 4686          6.0  7.0          7.0   0        0
## 4687          5.0  7.0          7.0   0        0
## 4688          6.0  8.0          6.0   0        1
## 4689           NA  7.0          5.0   0        1
## 4690           NA  3.0          2.0   0        0
## 4691           NA  6.0          1.0   0        0
## 4692           NA  8.0          1.0   0        0
## 4693           NA  8.0           NA  NA        0
## 4694           NA  6.0          1.0   0        0
## 4695           NA  3.0          1.0   0        0
## 4696           NA  5.0          1.0   0        0
## 4697           NA  9.0          5.0   0        0
## 4698           NA  5.0          2.0   0        0
## 4699           NA  5.0          3.0   0        0
## 4700           NA  5.0          1.0   0        0
## 4701           NA  5.0          1.0   0        0
## 4702           NA  5.0          2.0   0        0
## 4703          5.0  6.0          5.0   0        0
## 4704          4.0  4.0          5.0   0        0
## 4705          6.0  5.0          5.0   0        0
## 4706          6.0  6.0          5.0   0        0
## 4707          5.0  5.0          5.0   0        0
## 4708          5.0  5.0          5.0   0        0
## 4709          5.0  4.0          5.0   0        0
## 4710          5.0  7.0          5.0   0        0
## 4711          7.0  6.0          5.0   0        0
## 4712          6.0  6.0          5.0   0        0
## 4713          5.0  4.0          5.0   0        0
## 4714          5.0  5.0          5.0   0        0
```

```
## 4715                6.0  6.0             5.0    0      0
## 4716                7.0  7.0             5.0    0      0
## 4717               10.0 10.0             5.0    1      0
## 4718                8.0 10.0             5.0    0      1
## 4719               10.0 10.0             5.0    0      0
## 4720                 NA  8.0             2.0    0      0
## 4721                 NA  8.0             5.0    0      0
## 4722                8.0  9.0             5.0    0      1
## 4723                 NA  8.0             2.0    0      0
## 4724                6.0  6.0             7.0    0      1
## 4725                6.0  7.0             5.0    0      1
## 4726                6.0  7.0             5.0    0      1
## 4728                6.0  6.0             5.0    0      0
## 4729                8.0  6.0             5.0    0      0
## 4730                6.0  6.0             5.0    0      0
## 4731                1.0  3.0             5.0    0      1
## 4732                3.0  7.0             4.0    0      1
## 4733                2.0  7.0             3.0    0      1
## 4734                1.0  1.0             6.0    0      1
## 4735                2.0  2.0             8.0    0      1
## 4736                1.0  3.0             6.0    0      1
## 4737                2.0  2.0             4.0    0      1
## 4738                5.0  5.0             5.0    0      1
## 4739                5.0  7.0             5.0    0      1
## 4740                5.0  6.0             5.0    0      1
## 4741                5.0  8.0             5.0    0      1
## 4742                5.0  5.0             4.0    0      1
## 4743                7.0  5.0             5.0    0      1
## 4744                5.0  4.0             4.0    0      1
## 4745                9.0  8.0             9.0    0      1
## 4746                7.0  9.0             6.0    0      1
## 4747                6.0  8.0             8.0    0      1
## 4748                6.0  7.0             6.0    0      1
## 4749                9.0  9.0             8.0    0      1
## 4750                7.0  8.0             8.0    0      1
## 4751                6.0  7.0             7.0    0      1
## 4752                2.0  8.0             1.0    0      0
## 4753               10.0 10.0             1.0    0      0
## 4754                8.0  8.0             5.0    0      0
## 4755                8.0  6.0             1.0    0      0
## 4756                5.0 10.0             1.0    0      0
## 4757                8.0  8.0             3.0    0      0
## 4758                3.0  8.0             3.0    0      0
## 4759                6.0  8.0             4.0    0      0
## 4760                8.0  9.0             7.0    0      1
## 4761                5.0  8.0             5.0    0      0
## 4762                8.0  6.0             7.0    0      1
## 4763                8.0 10.0             6.0    0      0
## 4764                6.0 10.0             7.0    0      0
## 4765                5.0  5.0             5.0    0      0
## 4766                 NA  6.0             3.0    0      0
## 4767                 NA  7.0             3.0    0      0
## 4768                 NA  7.0             5.0    0      0
## 4769                6.0  7.0             5.0    0      1
```

```
## 4770       6.0  8.0        6.0    0        1
## 4771       3.0  7.0        4.0    0        0
## 4772       2.0  4.0        2.0    0        0
## 4773       2.0  4.0        8.0    0        0
## 4774       7.0  8.5       10.0    0        1
## 4775       6.0  6.0        6.0    0        0
## 4776       6.0  6.0        9.0    0        0
## 4777       4.0  5.0        8.0    0        0
## 4778       2.0  4.0        7.0    0        0
## 4779       2.0  5.0        9.0    0        0
## 4780       3.0  5.0        5.0    0        0
## 4781       4.0  7.0        7.0    0        1
## 4782       7.0  6.0        7.0    0        1
## 4783       5.0  6.0        7.0    0        1
## 4784       2.0  4.0        5.0    0        0
## 4785       5.0  5.0        7.0    0        0
## 4786       3.0  3.0        2.0    0        0
## 4787       7.0  7.0        1.0    1        0
## 4788       8.0  8.0        7.0    0        1
## 4789      10.0 10.0       10.0    0        1
## 4790       8.0  7.0        5.0    0        0
## 4791       8.0  6.0        2.0    0        0
## 4792       9.0  9.0       10.0    0        1
## 4793       9.0 10.0       10.0    0        1
## 4794       5.0  4.0        1.0    0        0
## 4795       6.0  5.0        5.0    0        0
## 4796       5.0  5.0        1.0    0        0
## 4797       4.0  7.0        5.0    0        0
## 4798       7.0  8.0        6.0    0        1
## 4799       6.0  8.0        7.0    0        0
## 4800       6.0  8.0        6.0    0        0
## 4801       3.0  5.0        5.0    0        0
## 4802       8.0  8.0        7.0    0        1
## 4803       7.0  7.0        5.0    0        0
## 4804       3.0  5.0        6.0    0        0
## 4805       7.0  9.0        9.0    0        1
## 4806       5.0  4.0        3.0    0        0
## 4807       6.0  6.0        7.0    0        0
## 4808       7.0  7.0        7.0    0        0
## 4809       6.0  6.0        7.0    0        0
## 4810       7.0  8.0        8.0    0        0
## 4811       7.0  6.0        7.0    0        0
## 4812       6.0  8.0        6.0    0        1
## 4813       8.0  8.0        7.0    0        1
## 4814       5.0  6.0        6.0    0        0
## 4815       7.0  8.0        8.0    0        1
## 4816       7.0  5.0        8.0    0        0
## 4817        NA  3.0        1.0    0        0
## 4818       5.0  8.0        6.0    0        1
## 4819       7.0  7.0        5.0    0        1
## 4820        NA  5.0        4.0    0        0
## 4821       3.0  4.0        1.0    0        0
## 4822       7.0  6.0        5.0    0        1
## 4823       6.0  6.0        4.0    0        0
```

```
## 4824              5.0  6.0        6.0  0        0
## 4825              8.0  7.0        5.0  0        1
## 4826               NA  3.0        1.0  0        0
## 4827              1.0  2.0        1.0  0        0
## 4828              2.0  3.0        1.0  0        0
## 4829              8.0  7.0        3.0  0        1
## 4830              6.0  4.0        3.0  0        0
## 4831              6.0  2.0        4.0  0        0
## 4832              5.0  8.0        4.0  0        1
## 4833              2.0  2.0        1.0  0        0
## 4834              1.0  1.0        1.0  0        0
## 4835              1.0  4.0        1.0  0        0
## 4836              2.0  2.0        1.0  0        0
## 4837              6.0  8.0        7.0  0        1
## 4838              8.0  8.0        6.0  0        1
## 4839              5.0  5.0        5.0  0        0
## 4840              9.0  9.0        6.0  0        1
## 4841              7.0  6.0        6.0  0        1
## 4842              8.0 10.0        8.0  0        1
## 4843              6.0  6.0        5.0  0        1
## 4844              6.0  6.0        6.0  0        1
## 4845              6.0  6.0        5.0  0        1
## 4846              6.0  6.0        6.0  0        0
## 4847              5.0  5.0        5.0  0        0
## 4848              5.0  6.0        6.0  0        0
## 4849              5.0  4.0        4.0  0        0
## 4850              7.0  6.0        6.0  0        1
## 4851              8.0  7.0        7.0  0        1
## 4852              7.0  6.0        7.0  0        1
## 4853              7.0  7.0        5.0  0        1
## 4854              6.0  7.0        6.0  0        1
## 4855              6.0  7.0        5.0  0        1
## 4856              6.0  6.0        5.0  0        1
## 4857              1.0  5.0        4.0  0        0
## 4858              8.0  5.0        6.0  0        0
## 4859              4.0  6.0        8.0  0        0
## 4860              4.0  6.0        8.0  0        0
## 4861              6.0  6.0        4.0  0        0
## 4862             10.0  8.0        8.0  0        1
## 4863              7.0  8.0        8.0  0        1
## 4864              6.0  6.0        6.0  0        1
## 4866              5.0  8.0        2.0  0        0
## 4867              5.0  5.0        3.0  0        1
## 4869              8.0  6.0        8.0  0        0
## 4870              6.0  8.0        8.0  0        0
## 4871              6.0  7.0        7.0  0        1
## 4872              6.0  5.0        6.0  0        0
## 4873              6.0  4.0        6.0  0        0
## 4874              8.0  6.0        8.0  0        0
## 4875               NA  4.0        3.0  0        0
## 4876               NA  5.0        3.0  0        1
## 4877               NA  4.0        5.0  0        0
## 4878              0.0  5.0        5.0  0        0
## 4879               NA  5.0        4.0  0        0
```

```
## 4880          NA  6.0          4.0   0       1
## 4881          NA  8.0          7.0   0       1
## 4882          NA  8.0          8.0   0       1
## 4883          NA  6.0          6.0   0       0
## 4884         8.0  8.0          5.0   0       1
## 4885          NA  7.0          6.0   0       1
## 4886          NA  6.0          4.0   0       0
## 4888          NA  3.0          4.0   0       0
## 4889          NA  7.0          3.0   0       1
## 4890          NA  7.0          6.0   0       1
## 4891          NA  5.0          5.0   0       0
## 4892          NA  7.0          6.0   0       1
## 4893         5.0  5.0         10.0   0       1
## 4894         5.0  5.0          4.0   0       1
## 4895         5.0  6.0          3.0   0       0
## 4896         5.0  7.0          3.0   0       0
## 4897          NA  7.0          2.0   0       0
## 4898         5.0  7.0          5.0   0       1
## 4899         9.0  7.0          6.0   0       1
## 4900          NA  6.0          4.0   0       1
## 4901          NA  5.0          5.0   0       0
## 4902         6.0  7.0          6.0   0       1
## 4903         7.0  5.0          4.0   0       0
## 4904         6.0  6.0          5.0   0       1
## 4905          NA  7.0          6.0   0       1
## 4906          NA  7.0          4.0   0       1
## 4908         5.0  8.0          3.0   0       0
## 4910          NA  7.0          5.0   0       1
## 4911         7.0  8.0          9.0   0       1
## 4912         6.0  6.0          8.0  NA       0
## 4913         5.0  5.0          5.0   0       0
## 4914         7.0  7.0          9.0   0       1
## 4915         6.0  7.0          5.0   0       0
## 4916         8.0  8.0          8.0   0       1
## 4917         7.0  7.0          8.0   0       1
## 4918         8.0  6.0          6.0   0       0
## 4919         9.0  7.0          9.0   0       1
## 4920         9.0  8.0          7.0   0       1
## 4921         8.0  8.0          7.0   0       1
## 4923         9.0  9.0          9.0   0       1
## 4925         9.0  8.0          8.0   0       1
## 4926         8.0  8.0          8.0   0       1
## 4927         8.0  7.0          7.0   0       1
## 4928         3.0  6.0          6.0   0       0
## 4930         3.0  4.0          7.0   0       0
## 4931         1.0  4.0          6.0   0       0
## 4932         6.0  8.0          8.0   0       1
## 4933         7.0  7.0          5.0   0       1
## 4934         8.0  9.0          6.0   0       1
## 4935         4.0  4.0          3.0   0       0
## 4936         8.0  8.0          6.0   0       1
## 4937         5.0  7.0         10.0   0       1
## 4938         5.0 10.0          8.0   0       1
## 4939         6.0  6.0          7.0   0       0
```

```
## 4940            8.0  6.0          6.0    0        1
## 4941            6.0  8.0          7.0    0        0
## 4942            6.0  6.0         10.0    0        0
## 4943            6.0  9.0          7.0    0        1
## 4944            8.0  6.0          1.0    0        0
## 4945            5.0  5.0          5.0    0        0
## 4946            6.0  8.0          7.0    0        1
## 4947            5.0  3.0          1.0    0        0
## 4948            7.0  8.0          3.0    0        1
## 4949            5.0  6.0          2.0    0        1
## 4950            5.0  7.0          5.0    0        1
## 4951             NA  7.0          2.0    0        1
## 4952            5.0  6.0          4.0    0        1
## 4955            5.0  8.0          4.0    0        1
## 4956            8.0  7.0          2.0    0        1
## 4957            5.0  8.0           NA    0        1
## 4958            3.0  7.0          2.0    0        1
## 4959            5.0  7.0          3.0    0        1
## 4960            5.0  8.0          3.0    0        1
## 4961            3.0  5.0          1.0    0        0
## 4962            5.0  6.0          2.0    0        1
## 4963            5.0  4.0          1.0    0        0
## 4965            6.0  4.0          3.0    0        1
## 4966            3.0  4.0          3.0    0        1
## 4967            6.0  6.0          5.0    0        1
## 4968            7.0  5.0          4.0    0        1
## 4969            2.0  3.0          3.0    0        1
## 4970            4.0  6.0          3.0    0        1
## 4971            7.0  6.0          4.0    0        1
## 4972            7.0  3.0          4.0    0        1
## 4973            3.0  3.0          3.0    0        1
## 4974            6.0  6.0          5.0    0        1
## 4975            5.0  5.0          3.0    0        1
## 4976            8.0  6.0          5.0    0        1
## 4977            8.0  8.0          5.0    0        1
## 4978            7.0  6.0          6.0    0        1
## 4979            8.0  6.0          5.0    0        1
## 4980            6.0  5.0          5.0    0        1
## 4981            7.0  7.0          5.0    0        1
## 4982            7.0  6.0          5.0    0        1
## 4983             NA  3.0         10.0    0        0
## 4984            8.0  8.0          8.0    0        1
## 4985             NA  7.0          6.0    0        0
## 4986            6.0  5.0          6.0    0        0
## 4987            8.0  6.0          7.0    0        1
## 4988            8.0  8.0          8.0    0        1
## 4989            8.0  8.0          9.0    0        1
## 4990            8.0  8.0          8.0    0        1
## 4992            6.0  8.0          8.0    0        1
## 4993             NA  7.0          8.0    0        1
## 4994             NA  7.0          8.0    0        1
## 4995             NA  8.0          9.0    0        1
## 4996             NA  7.0          7.0    0        0
## 4997             NA  9.0          9.0    0        1
```

```
## 4998            NA  5.0      2.0  0      0
## 4999            NA  5.0      5.0  0      0
## 5000           6.0  6.0      6.0  0      0
## 5001           6.0  8.0      8.0  0      0
## 5002           5.0  6.0      5.0  0      0
## 5003           4.0  4.0      4.0  0      0
## 5004           7.0  6.0      6.0  0      0
## 5005           7.0  7.0      7.0  0      0
## 5006           8.0  8.0      5.0  0      1
## 5007           9.0  7.0      5.0  0      0
## 5008           6.0  7.0      7.0  0      1
## 5009           1.0  3.0      3.0  0      0
## 5010           7.0  7.0      6.0  0      1
## 5011           5.0  5.0      4.0  0      0
## 5012           5.0  5.0      2.0  0      0
## 5013           7.0  7.0      6.0  0      1
## 5014           3.0  4.0      4.0  0      0
## 5015           3.0  5.0      3.0  0      0
## 5016           6.0  7.0      5.0  0      1
## 5017           3.0  3.0      3.0  0      0
## 5018           7.0  6.0      4.0  0      0
## 5020           7.0  7.0      7.0  0      1
## 5021           7.0  7.0      7.0  0      1
## 5022           8.0  8.0      7.0  0      1
## 5023           6.0  7.0      6.0  0      1
## 5024           8.0  8.0      8.0  0      1
## 5025           8.0  8.0      7.0  0      1
## 5026           7.0  7.0      7.0  0      0
## 5027           6.0  6.0      6.0  0      1
## 5028           9.0  7.0      8.0  0      1
## 5029           0.0  3.0      3.0  0      0
## 5030           5.0  7.0      6.0  0      1
## 5031           9.0  9.0      8.0  0      1
## 5032           7.0  7.0      7.0  0      1
## 5033           8.0  8.0      8.0  0      1
## 5034           7.0  8.0      7.0  0      1
## 5035           8.0  5.0      5.0  0      0
## 5036           7.0  6.0      5.0  0      0
## 5037           5.0  6.0      6.0  0      0
## 5038           8.0  7.0      7.0  0      0
## 5039           8.0  7.0      7.0  0      1
## 5040           9.0  9.0      7.0  0      1
## 5041           8.0  7.0      6.0  0      1
## 5042           9.0  9.0      7.0  0      1
## 5043           7.0  7.0      7.0  0      1
## 5044           9.0  9.0      7.0  0      1
## 5045           8.0  8.0      7.0  0      1
## 5046           8.0  9.0      7.0  0      1
## 5047           7.0  8.0      6.0  0      1
## 5048           9.0  8.0      6.0  0      1
## 5049           8.0  9.0      7.0  0      1
## 5050           7.0  7.0      6.0  0      0
## 5051           8.0  9.0      6.0  0      1
## 5052           7.0  8.0      6.0  0      1
```

```
## 5053               5.0  5.0         5.0  0          0
## 5054               6.0  6.0         5.0  0          0
## 5055                NA  4.0         4.0  0          0
## 5056                NA  5.0         5.0  0          1
## 5057                NA  6.0         5.0  0          1
## 5058               7.0  7.0         5.0  0          1
## 5059                NA  6.0         5.0  0          1
## 5060               5.0  5.0         5.0  0          1
## 5063                NA  8.0         5.0  0          1
## 5064                NA  6.0         5.0  0          1
## 5065               7.0  8.0         5.0  0          1
## 5066                NA  8.0         5.0  0          1
## 5067                NA  8.0         5.0  0          1
## 5068                NA  7.0         5.0  0          1
## 5069                NA  4.0         4.0  0          0
## 5070               5.0  7.0         5.0  0          1
## 5071                NA  4.0         4.0  0          0
## 5072                NA  4.0         4.0  0          0
## 5073               4.0  5.0         6.0  0          0
## 5074              10.0  7.0         8.0  0          1
## 5075               2.0  4.0         5.0  0          0
## 5076               8.0  6.0         8.0  0          1
## 5077               9.0  9.0         8.0  0          1
## 5078               8.0  9.0         9.0  0          1
## 5079              10.0  5.0         7.0  0          0
## 5080               9.0  9.0         8.0  0          1
## 5081              10.0  8.0        10.0  0          1
## 5082               8.0  8.0          NA  NA          1
## 5083               9.0  9.0         8.0  0          1
## 5084               6.0  6.0         6.0  0          1
## 5085               9.0  8.0         8.0  0          1
## 5087               3.0  5.0         6.0  0          1
## 5088               2.0  5.0         4.0  0          0
## 5089               2.0  4.0         5.0  NA          0
## 5090               7.0  7.0         7.0  0          1
## 5091               7.0  4.0         2.0  NA          0
## 5092               7.0  5.0         4.0  0          0
## 5093               7.0  5.0         3.0  0          0
## 5094               9.0  7.0         3.0  NA          0
## 5095              10.0  6.0         7.0  0          0
## 5096               9.0  9.0         7.0  0          1
## 5097               8.0  5.0         2.0  0          0
## 5098               5.0  4.0         5.0  NA          0
## 5101               7.0  8.0         6.0  NA          0
## 5102               5.0  5.0         4.0  NA          0
## 5103               8.0  4.0         7.0  0          1
## 5105               7.0  8.0         7.0  0          1
## 5106               7.0  6.0         5.0  0          0
## 5107               5.0  4.0         4.0  0          0
## 5108               5.0  5.0         5.0  0          0
## 5109               5.0  5.0         6.0  0          0
## 5112               5.0  6.0         5.0  0          0
## 5113               6.0  7.0         6.0  0          0
## 5115               7.0  8.0         5.0  0          1
```

```
## 5116            7.0  7.0       6.0   0      0
## 5119            5.0  6.0       5.0   0      0
## 5122            4.0  4.0       5.0   0      0
## 5123            5.0  4.0       4.0   0      0
## 5124            7.0  7.0       6.0   0      0
## 5127            0.0  0.0       0.0   0      0
## 5128            3.0  3.0       2.0   0      0
## 5129            3.0  3.0       4.0   0      0
## 5130            6.0  6.0       4.0   0      0
## 5131             NA  6.0       3.0   0      0
## 5132            5.0  7.0       4.0  NA      0
## 5133             NA  5.0       5.0   0      0
## 5134            8.0  7.0       6.0   0      1
## 5136             NA  6.0       6.0   0      0
## 5137            6.0  4.0       3.0   0      0
## 5138            6.0  4.0       3.0   0      0
## 5139             NA  5.0       7.0   0      0
## 5140            6.0  6.0       7.0   0      1
## 5141            4.0  4.0       2.0   0      0
## 5142            7.0  7.0       3.0   0      1
## 5143            0.0  4.0       3.0   0      0
## 5144            2.0  3.0       2.0   0      0
## 5145            6.0  6.0       7.0   0      0
## 5146            6.0  6.0       7.0   0      0
## 5147            6.0  6.0       7.0   0      0
## 5148            7.0  6.0       7.0   0      0
## 5150            7.0  8.0       8.0   1      1
## 5151            8.0  8.0       7.0   0      0
## 5152            7.0  7.0       7.0   0      0
## 5153            6.0  7.0       6.0   0      0
## 5154            6.0  7.0       6.0   0      0
## 5155            8.0  7.0       6.0   0      0
## 5156            6.0  7.0       6.0   0      0
## 5157            7.0  8.0       7.0   0      1
## 5158            6.0  6.0       7.0   0      0
## 5159            6.0  8.0       7.0   0      0
## 5160           10.0 10.0      10.0   1      1
## 5161            6.0  7.0       6.0   0      0
## 5162            6.0  6.0       6.0   0      0
## 5163            7.0  6.0       8.0   0      1
## 5164            7.0  6.0       6.0   0      1
## 5165            3.0  3.0       6.0   0      0
## 5166            6.0  3.0       4.0   0      0
## 5168            8.0  9.0       7.0   0      1
## 5169            8.0  9.0       5.0   0      1
## 5171            3.0  5.0       4.0  NA      1
## 5172            4.0  5.0       4.0   0      1
## 5173            1.0  4.0       1.0   0      0
## 5174             NA  4.0       4.0   0      0
## 5175            1.0  3.0       3.0   0      0
## 5176            1.0  2.0       2.0   0      0
## 5177            1.0  3.0       2.0   0      0
## 5178            2.0  4.0       4.0   0      0
## 5179             NA  3.0       5.0   0      0
```

```
## 5180                       1.0   4.0              4.0    0         0
## 5181                       2.0   3.0              1.0    0         0
## 5182                       5.0   6.0              4.0    0         0
## 5183                       3.0   4.0              1.0    0         0
## 5184                       5.0   8.0              7.0    0         1
## 5185                       6.0   7.0              7.0    0         1
## 5186                       7.0   7.0              6.0    0         1
## 5187                       6.0   8.0              6.0    0         1
## 5188                       6.0   8.0              7.0    0         1
## 5189                       6.0   6.0              5.0    1         1
## 5191                       7.0   9.0              6.0    0         1
## 5192                       4.0   5.0              3.0    0         0
## 5194                       5.0   7.0              5.0    0         0
## 5195                       3.0   6.0              4.0    0         1
## 5196                       4.0   5.0              5.0    0         0
## 5197                       5.0   7.0              6.0    0         1
## 5198                       5.0   7.0              5.0    0         1
## 5199                       1.0   7.0              5.0    0         0
## 5201                       8.0  10.0             10.0   NA         1
## 5202                       9.0   8.0              8.0    0         0
## 5204                       1.0   5.0              1.0    0         0
## 5205                       8.0   7.5              6.0    0         0
## 5206                       9.0  10.0              8.0    0         0
## 5207                       8.0   9.0              9.5    0         1
## 5208                       1.0   5.0              1.0    0         0
## 5209                       4.0   5.0              2.0    0         0
## 5210                       3.0   3.0              1.0    0         0
## 5211                       9.0   9.7             10.0    0         0
## 5212                       4.0   7.0              6.0   NA         0
## 5213                       7.0   9.0              8.0    0         0
## 5214                       5.0   6.0              5.0    0         0
## 5215                       7.0   7.0              6.0    0         0
## 5216                       7.0   8.5              8.5    0         0
## 5217                       6.0   8.0               NA    0         0
## 5218                       8.0   8.0              8.0    0         1
## 5219                       7.0   7.0              7.0    0         0
## 5220                       7.0   7.0              7.0   NA         1
## 5221                       8.0   8.0               NA    0         1
## 5222                       7.0   7.0              8.0    0         0
## 5224                       6.0   6.0              7.0    0         0
## 5225                       8.0   8.0               NA   NA         1
## 5226                       7.0   7.0              7.0    0         1
## 5227                       7.0   7.0              8.0    0         1
## 5228                       6.0   6.0              8.0    0         0
## 5229                       6.0   6.0              8.0    0         0
## 5230                       8.0   8.0               NA   NA         1
## 5231                       8.0   8.0               NA   NA         1
## 5233                       7.0   7.0              8.0    0         0
## 5234                       8.0   8.0              8.0    0         1
## 5235                       7.0   7.0              8.0   NA         1
## 5236                       7.0   7.0              8.0   NA         0
## 5237                       5.0   7.0              6.0    0         1
## 5238                       6.0   7.0              6.0    0         1
## 5239                       4.0   5.0              4.0    0         0
```

```
## 5240          5.0  6.0        4.0    0      0
## 5241          7.0  7.0        8.0    0      1
## 5242          1.0  3.0        3.0    0      0
## 5243          4.0  7.0        6.0    0      1
## 5244          7.0  7.0        5.0    0      1
## 5245          8.0  8.0        6.0    0      1
## 5246          6.0  7.0        5.0    0      0
## 5247          8.0  8.0        7.0    0      1
## 5248          4.0  5.0        6.0    0      0
## 5249          7.0  8.0        7.0    0      1
## 5250          7.0  7.0        6.0    0      1
## 5252          5.0  6.0        5.0    0      0
## 5253          6.0  7.0        7.0    0      1
## 5254          6.0  7.0        7.0    0      1
## 5255          4.0  5.0        4.0    0      0
## 5256          8.0  8.0        6.0    0      1
## 5257          7.0  6.0        5.0    0      0
## 5258          6.0  4.0        5.0    0      0
## 5259          9.0  8.0        6.0    0      1
## 5260          7.0  7.0        6.0    0      1
## 5261          5.0  3.0        5.0    0      0
## 5262          8.0  7.0        7.0    0      0
## 5263          6.0  8.0        4.0    0      1
## 5264          7.0  7.0        6.0    0      0
## 5265          7.0  9.0        7.0    0      1
## 5266          7.0  7.0        7.0    0      1
## 5267          4.0  5.0        5.0    0      0
## 5268          8.0  7.0        6.0    0      1
## 5269          7.0  8.0        6.0    0      1
## 5270          6.0  7.0        3.0    0      0
## 5271          8.0  9.0        7.0    0      1
## 5272          7.0  7.0        5.0    0      1
## 5273          8.0  9.0        6.0    0      1
## 5274          7.0  7.0        6.0    0      1
## 5275          8.0  8.0        5.0    0      1
## 5276          4.0  5.0        4.0    0      0
## 5277          7.0  8.0        7.0    0      1
## 5278          6.0  7.0        5.0    0      1
## 5279          2.0  5.0        5.0    0      0
## 5280          3.0  3.0        3.0    0      0
## 5281          2.0  6.0        6.0    0      0
## 5282          4.0  6.0        3.0    0      0
## 5283          8.0  8.0        7.0    0      1
## 5284          4.0  5.0        5.0    0      0
## 5285          4.0  4.0        4.0    0      0
## 5286          4.0  4.0        4.0    0      0
## 5287          6.0  7.0        7.0    0      1
## 5288          8.0  8.0        7.0    0      1
## 5289          9.0  9.0        8.0    0      1
## 5290          6.0  7.0        7.0    0      1
## 5293          5.0  6.0        5.0    0      0
## 5294          9.0  9.0        8.0    0      1
## 5295          6.0  7.0        6.0    0      0
## 5296          6.0  6.0        6.0    0      0
```

```
## 5297                           8.0  8.0               8.0   0         1
## 5298                           5.0  7.0               7.0   0         1
## 5299                           4.0  6.0               5.0   0         0
## 5300                           4.0  5.0               4.0   0         0
## 5301                           9.0  9.0               8.0   0         1
## 5302                           8.0  8.0               6.0   0         1
## 5303                           7.0  7.0               5.0   0         0
## 5304                           5.0  6.0               6.0   0         0
## 5305                           2.0  4.0               4.0   0         0
## 5306                           7.0  8.0               7.0   0         1
## 5307                           8.0  9.0               8.0   0         1
## 5309                           8.0  8.0               7.0   0         1
## 5310                           7.0  8.0               7.0   1         1
## 5311                           7.0  7.0               7.0   0         1
## 5312                           6.0  6.0               5.0   0         0
## 5313                           7.0  7.0               7.0   0         0
## 5314                           7.0  8.0               8.0   0         1
## 5315                           9.0  4.0               6.0   0         0
## 5316                           7.0  5.0               4.0   0         0
## 5317                           5.0  7.0               7.0   0         0
## 5319                           6.0  6.0               5.0   0         0
## 5320                           8.0  8.0               6.0   0         1
## 5321                           6.0  7.0               6.0   0         1
## 5322                           4.0  5.0               4.0   0         0
## 5323                           4.0  4.0               3.0   0         0
##  [ reached 'max' / getOption("max.print") -- omitted 2657 rows ]
```

```r
partially_filtered_dates[, columns_of_interest] <- lapply(partially_filtered_dates[, columns_of_interest
  median_value <- median(x, na.rm = TRUE)
  x[is.na(x)] <- median_value
  return(x)
})


filtered_dates <- partially_filtered_dates
filtered_dates
```

```
##       date_id participant_id partner_id attractive_o sincere_o intelligence_o
## 1      100000          10000      10010          6.0       8.0            8.0
## 2      100001          10000      10011          7.0       8.0           10.0
## 3      100002          10000      10012         10.0      10.0           10.0
## 4      100003          10000      10013          7.0       8.0            9.0
## 5      100004          10000      10014          8.0       7.0            9.0
## 6      100005          10000      10015          7.0       7.0            8.0
## 7      100006          10000      10016          3.0       6.0            7.0
## 8      100007          10000      10017          6.0       7.0            5.0
## 9      100008          10000      10018          7.0       7.0            8.0
## 10     100009          10000      10019          6.0       6.0            6.0
## 11     100010          10001      10010          8.0       7.0            6.0
## 12     100011          10001      10011          7.0       6.0           10.0
## 13     100012          10001      10012         10.0      10.0           10.0
## 14     100013          10001      10013          9.0       9.0            9.0
## 15     100014          10001      10014         10.0      10.0           10.0
## 16     100015          10001      10015          7.0       8.0            7.0
## 17     100016          10001      10016          5.0       3.0            4.0
## 18     100017          10001      10017          7.0       7.0            7.0
```

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```
## 19     100018          10001          10018          8.0          6.0          9.0
## 20     100019          10001          10019          6.0          5.0          7.0
## 21     100020          10002          10010          7.0          8.0          6.0
## 22     100021          10002          10011          6.0          7.0         10.0
## 23     100022          10002          10012         10.0         10.0         10.0
## 24     100023          10002          10013          7.0          9.0          8.0
## 25     100024          10002          10014          6.0         10.0          8.0
## 26     100025          10002          10015          7.0          6.0          6.0
## 27     100026          10002          10016          6.0          3.0          5.0
## 28     100027          10002          10017          4.0          5.0          6.0
## 29     100028          10002          10018          7.0          7.0          6.0
## 30     100029          10002          10019          5.0          6.0          8.0
## 31     100030          10003          10010          6.0          7.0          8.0
## 32     100031          10003          10011          6.0          5.0         10.0
## 33     100032          10003          10012         10.0         10.0         10.0
## 34     100033          10003          10013          7.0          7.0          7.0
## 35     100034          10003          10014          8.0          8.0          9.0
## 36     100035          10003          10015          6.0          6.0          7.0
## 37     100036          10003          10016          7.0          6.0          3.0
## 38     100037          10003          10017          6.0          7.0          8.0
## 39     100038          10003          10018          7.0          7.0          7.0
## 40     100039          10003          10019          7.0          8.0          8.0
## 41     100040          10004          10010          6.0          8.0          8.0
## 42     100041          10004          10011          6.0          7.0         10.0
## 43     100042          10004          10012         10.0         10.0         10.0
## 44     100043          10004          10013          6.0          8.0          6.0
## 45     100044          10004          10014          5.0          9.0          9.0
## 46     100045          10004          10015          5.0          8.0          7.0
## 47     100046          10004          10016          2.0          3.0          4.0
## 48     100047          10004          10017          5.0          5.0          6.0
## 49     100048          10004          10018          5.0          9.0          9.0
## 50     100049          10004          10019          3.0         10.0          7.0
## 51     100050          10005          10010          7.0          9.0          8.0
## 52     100051          10005          10011          6.0          8.0         10.0
## 53     100052          10005          10012         10.0         10.0         10.0
## 54     100053          10005          10013          6.0          8.0          8.0
## 55     100054          10005          10014          9.0          7.0          9.0
## 56     100055          10005          10015          6.0          6.0          8.0
## 57     100056          10005          10016          5.0          6.0          8.0
## 58     100057          10005          10017          6.0          7.0          8.0
## 59     100058          10005          10018          6.0          7.0          7.0
## 60     100059          10005          10019          7.0         10.0         10.0
## 61     100060          10006          10010          7.0          8.0          8.0
## 62     100061          10006          10011          7.0          9.0         10.0
## 63     100062          10006          10012         10.0         10.0         10.0
## 64     100063          10006          10013          8.0          8.0          9.0
## 65     100064          10006          10014          8.0          7.0          9.0
## 66     100065          10006          10015          8.0          8.0          8.0
## 67     100066          10006          10016          7.0          6.0          5.0
## 68     100067          10006          10017          8.0          7.0          6.0
## 69     100068          10006          10018          9.0          7.0          9.0
## 70     100069          10006          10019          7.0          6.0          8.0
## 71     100070          10007          10010          8.0          7.0          6.0
## 72     100071          10007          10011          8.0          8.0         10.0
```

```
## 73   100072        10007       10012          10.0         10.0          10.0
## 74   100073        10007       10013           8.0          8.0           8.0
## 75   100074        10007       10014           9.0          9.0           8.0
## 76   100075        10007       10015           8.0          7.0           7.0
## 77   100076        10007       10016           6.0          4.0           7.0
## 78   100077        10007       10017           9.0          8.0           8.0
## 79   100078        10007       10018           8.0          7.0           8.0
## 80   100079        10007       10019           8.0         10.0           9.0
## 81   100080        10008       10010           6.0          8.0           7.0
## 82   100081        10008       10011           8.0          8.0          10.0
## 83   100082        10008       10012          10.0         10.0          10.0
## 84   100083        10008       10013           7.0          8.0           7.0
## 85   100084        10008       10014           7.0          9.0           8.0
## 86   100085        10008       10015           6.0          6.0           7.0
## 87   100086        10008       10016           8.0          6.0           7.0
## 88   100087        10008       10017           7.0          7.0           7.0
## 89   100088        10008       10018           6.0          6.0           6.0
## 90   100089        10008       10019           5.0          6.0           6.0
## 91   100090        10009       10010           7.0          8.0           7.0
## 92   100091        10009       10011           1.0          1.0           1.0
## 93   100092        10009       10012          10.0         10.0          10.0
## 94   100093        10009       10013           7.0          8.0           7.0
## 95   100094        10009       10014           6.0          9.0           9.0
## 96   100095        10009       10015           6.0          8.0           7.0
## 97   100096        10009       10016           7.0          7.0           4.0
## 98   100097        10009       10017           6.0          6.0           6.0
## 99   100098        10009       10018           7.0          7.0           7.0
## 100  100099        10009       10019           6.0          6.0           6.0
## 101  100100        10010       10000           6.0          9.0           7.0
## 102  100101        10010       10001           5.0          7.0           8.0
## 103  100102        10010       10002           7.0          9.0          10.0
## 104  100103        10010       10003           4.0         10.0           8.0
## 105  100104        10010       10004           5.0          8.0           8.0
## 106  100105        10010       10005           6.0          9.0           7.0
## 107  100106        10010       10006           4.0          8.0           8.0
## 108  100107        10010       10007           5.0          8.0           7.0
## 109  100108        10010       10008           8.0         10.0           9.0
## 110  100109        10010       10009           6.0         10.0          10.0
## 111  100110        10011       10000           7.0          8.0           7.0
## 112  100111        10011       10001           8.0          5.0           6.0
## 113  100112        10011       10002           9.0          7.0           9.0
## 114  100113        10011       10003           8.0          7.0           8.0
## 115  100114        10011       10004           8.0          6.0           6.0
## 116  100115        10011       10005           6.0          9.0           9.0
## 117  100116        10011       10006           6.0          6.0           8.0
## 118  100117        10011       10007           8.0          7.0           7.0
## 119  100118        10011       10008          10.0         10.0          10.0
## 120  100119        10011       10009           1.0          1.0           1.0
## 121  100120        10012       10000           5.0          8.0           9.0
## 122  100121        10012       10001           5.0          8.0           9.0
## 123  100122        10012       10002           7.0          9.0           9.0
## 124  100123        10012       10003           4.0          7.0           8.0
## 125  100124        10012       10004           4.0          6.0           8.0
## 126  100125        10012       10005           4.0          7.0           9.0
```

```
## 127   100126         10012       10006        3.0       6.0          8.0
## 128   100127         10012       10007        5.0       8.0          8.0
## 129   100128         10012       10008        5.0      10.0         10.0
## 130   100129         10012       10009        6.0      10.0         10.0
## 131   100130         10013       10000        7.0       6.0          8.0
## 132   100131         10013       10001        7.0       9.0          7.0
## 133   100132         10013       10002        9.0       7.0          9.0
## 134   100133         10013       10003        8.0      10.0          7.0
## 135   100134         10013       10004        8.0       5.0          5.0
## 136   100135         10013       10005        8.0       6.0          7.0
## 137   100136         10013       10006        7.0       8.0          8.0
## 138   100137         10013       10007        8.0       6.0          5.0
## 139   100138         10013       10008       10.0       9.0          8.0
## 140   100139         10013       10009       10.0      10.0         10.0
## 141   100140         10014       10000        5.0       6.0          7.0
## 142   100141         10014       10001        6.0       8.0          7.0
## 143   100142         10014       10002        9.0      10.0         10.0
## 144   100143         10014       10003        6.0       9.0          8.0
## 145   100144         10014       10004        6.0       7.0          7.0
## 146   100145         10014       10005        5.0       4.0          8.0
## 147   100146         10014       10006        4.0       7.0          7.0
## 148   100147         10014       10007        6.0       8.0          8.0
## 149   100148         10014       10008        5.0      10.0          8.0
## 150   100149         10014       10009        5.0       7.0          7.0
## 151   100150         10015       10000        4.0       9.0          7.0
## 152   100151         10015       10001        8.0       7.0          8.0
## 153   100152         10015       10002        8.0      10.0         10.0
## 154   100153         10015       10003        5.0      10.0          8.0
## 155   100154         10015       10004        5.0       6.0          7.0
## 156   100155         10015       10005        3.0       7.0          6.0
## 157   100156         10015       10006        4.0       8.0          7.0
## 158   100157         10015       10007        6.0       8.0          8.0
## 159   100158         10015       10008        8.0       9.0          9.0
## 160   100159         10015       10009        5.0      10.0          6.0
## 161   100160         10016       10000        7.0       6.0          7.0
## 162   100161         10016       10001        7.0       5.0          9.0
## 163   100162         10016       10002        8.0       9.0         10.0
## 164   100163         10016       10003        7.0      10.0         10.0
## 165   100164         10016       10004        6.0       6.0          8.0
## 166   100165         10016       10005        8.0       8.0          8.0
## 167   100166         10016       10006        7.0       7.0          8.0
## 168   100167         10016       10007        6.0       7.0          8.0
## 169   100168         10016       10008        6.0       8.0          9.0
## 170   100169         10016       10009        5.0      10.0          8.0
## 171   100170         10017       10000        4.0       9.0          7.0
## 172   100171         10017       10001        5.0       8.0          7.0
## 173   100172         10017       10002        7.0       9.0          9.0
## 174   100173         10017       10003        5.0       9.0          9.0
## 175   100174         10017       10004        5.0       5.0          7.0
## 176   100175         10017       10005        4.0       8.0          9.0
## 177   100176         10017       10006        5.0       7.0          8.0
## 178   100177         10017       10007        5.0       6.0          7.0
## 179   100178         10017       10008        6.0       7.0          8.0
## 180   100179         10017       10009        5.0       6.0          6.0
```

```
## 181     100180       10018       10000        7.0      6.0         8.0
## 182     100181       10018       10001        7.0      6.0         8.0
## 183     100182       10018       10002        9.0      9.0         9.0
## 184     100183       10018       10003        9.0      8.0        10.0
## 185     100184       10018       10004        7.0      5.0         7.0
## 186     100185       10018       10005        7.0      6.0         8.0
## 187     100186       10018       10006        6.0      6.0         8.0
## 188     100187       10018       10007        8.0      8.0         5.0
## 189     100188       10018       10008        8.0      5.0         5.0
## 190     100189       10018       10009        9.0      9.0         9.0
## 191     100190       10019       10000        5.0      6.0         6.0
## 192     100191       10019       10001        6.0      7.0         8.0
## 193     100192       10019       10002        8.0      7.0         9.0
## 194     100193       10019       10003        8.0      9.0        10.0
## 195     100194       10019       10004        9.0      6.0         7.0
## 196     100195       10019       10005        8.0      9.0         9.0
## 197     100196       10019       10006        8.0      6.0         7.0
## 198     100197       10019       10007        7.0      6.0         8.0
## 199     100198       10019       10008        7.0      8.0         7.0
## 200     100199       10019       10009        9.0      9.0         8.0
## 201     100200       10020       10039        3.0     10.0        10.0
## 202     100201       10020       10040        5.0      5.0         5.0
## 203     100202       10020       10041        3.0     10.0         9.0
## 204     100203       10020       10042        4.0      5.0         6.0
## 205     100204       10020       10043        6.0      7.0         8.0
## 206     100205       10020       10044        7.0      8.0         8.0
## 207     100206       10020       10045        6.0      7.0        10.0
## 208     100207       10020       10046        9.0      5.0         6.0
## 209     100208       10020       10047        3.0      8.0         5.0
## 210     100209       10020       10048        6.0      7.0         8.0
## 211     100210       10020       10049        5.0      8.0         8.0
## 212     100211       10020       10050        2.0      8.0         8.0
## 213     100212       10020       10051        6.0      6.0         8.0
## 214     100213       10020       10052        6.0      8.0         8.0
## 215     100214       10020       10053        5.0      7.0         7.0
## 216     100215       10020       10054        5.0      8.0        10.0
## 217     100216       10021       10039        4.0     10.0         8.0
## 218     100217       10021       10040        5.0      5.0         5.0
## 219     100218       10021       10041        3.0      6.0         8.0
## 220     100219       10021       10042        4.0      5.0         5.0
## 221     100220       10021       10043        6.0      7.0         6.0
## 222     100221       10021       10044        7.0      7.0         7.0
## 223     100222       10021       10045        5.0      8.0         5.0
## 224     100223       10021       10046        6.0      5.0         6.0
## 225     100224       10021       10047        4.0      6.0         6.0
## 226     100225       10021       10048        7.0      8.0         7.0
## 227     100226       10021       10049        6.0      8.0         7.0
## 228     100227       10021       10050        2.0      2.0         3.0
## 229     100228       10021       10051        4.0      6.0         7.0
## 230     100229       10021       10052        6.0      8.0         8.0
## 231     100230       10021       10053        4.0      7.0         7.0
## 232     100231       10021       10054        5.0      8.0         9.0
## 233     100232       10022       10039        5.0      4.0         3.0
## 234     100233       10022       10040        8.0      8.0         8.0
```

```
## 235    100234         10022       10041          6.0       10.0          9.0
## 236    100235         10022       10042          4.0        6.0          5.0
## 237    100236         10022       10043          8.0        8.0          8.0
## 238    100237         10022       10044          7.0        8.0          7.0
## 239    100238         10022       10045          6.0        8.0          9.0
## 240    100239         10022       10046          5.0        6.0          6.0
## 241    100240         10022       10047          4.0        6.0          6.0
## 242    100241         10022       10048          7.0        8.0          8.0
## 243    100242         10022       10049          5.0        7.0          7.0
## 244    100243         10022       10050          4.0        6.0          4.0
## 245    100244         10022       10051          7.0        7.0          6.0
## 247    100246         10022       10053          6.0        7.0          7.0
## 248    100247         10022       10054          6.0        9.0         10.0
## 249    100248         10023       10039          5.0       10.0          9.0
## 250    100249         10023       10040          5.0        5.0          5.0
## 251    100250         10023       10041          7.0        6.0          7.0
## 252    100251         10023       10042          5.0        5.0          6.0
## 253    100252         10023       10043          5.0        7.0          8.0
## 254    100253         10023       10044          6.0        6.0          6.0
## 255    100254         10023       10045          7.0        8.0          8.0
## 256    100255         10023       10046          6.0        6.0          6.0
## 257    100256         10023       10047          6.0        8.0          8.0
## 258    100257         10023       10048          7.0        7.0          6.0
## 259    100258         10023       10049          7.0        7.0          7.0
## 260    100259         10023       10050          7.0        5.0          7.0
## 261    100260         10023       10051          7.0        7.0          9.0
## 262    100261         10023       10052          8.0        8.0          8.0
## 263    100262         10023       10053          8.0        7.0          8.0
## 264    100263         10023       10054          8.0        9.0          9.0
## 265    100264         10024       10039          8.0       10.0          9.0
## 266    100265         10024       10040          5.0        5.0          5.0
## 267    100266         10024       10041          8.0        9.0          7.0
## 268    100267         10024       10042          8.0        5.0          6.0
## 269    100268         10024       10043          7.0        6.0          6.0
## 270    100269         10024       10044          7.0        6.0          6.0
## 271    100270         10024       10045         10.0        8.0          7.0
## 272    100271         10024       10046          6.0        7.0          5.0
## 273    100272         10024       10047          9.0        8.0          7.0
## 274    100273         10024       10048          9.0        8.0          7.0
## 275    100274         10024       10049          7.0        7.0          7.0
## 276    100275         10024       10050          6.0        4.0          7.0
## 277    100276         10024       10051          8.0        7.0          7.0
## 278    100277         10024       10052          9.0        8.0          8.0
## 279    100278         10024       10053          8.0        9.0          9.0
## 280    100279         10024       10054          8.0        9.0          8.0
## 281    100280         10025       10039          8.0        9.0          9.0
## 282    100281         10025       10040          5.0        5.0          5.0
## 283    100282         10025       10041          7.0        8.0          8.0
## 284    100283         10025       10042          6.0        5.0          7.0
## 285    100284         10025       10043          8.0        7.0          7.0
## 286    100285         10025       10044          7.0        6.0          8.0
## 287    100286         10025       10045         10.0        9.0          9.0
## 288    100287         10025       10046          5.0        6.0          6.0
## 289    100288         10025       10047          9.0        8.0          7.0
```

```
## 290    100289        10025        10048            9.0          8.0              7.0
## 291    100290        10025        10049            8.0          7.0              7.0
## 292    100291        10025        10050            7.0          3.0              5.0
## 293    100292        10025        10051            8.0          7.0              7.0
## 294    100293        10025        10052            9.0          9.0              9.0
## 295    100294        10025        10053            8.0          8.0              7.0
## 296    100295        10025        10054            8.0          9.0              8.0
## 297    100296        10026        10039            9.0          8.0              6.0
## 298    100297        10026        10040            8.0          8.0              8.0
## 299    100298        10026        10041            8.0          9.0              8.0
## 300    100299        10026        10042            7.0          6.0              5.0
## 301    100300        10026        10043            9.0          7.0              7.0
## 302    100301        10026        10044            8.0          8.0              7.0
## 303    100302        10026        10045            9.0          8.0              8.0
## 304    100303        10026        10046            7.0          5.0              6.0
## 305    100304        10026        10047            8.0          8.0              5.0
## 306    100305        10026        10048            8.0          8.0              7.0
## 307    100306        10026        10049            8.0          7.0              7.0
## 308    100307        10026        10050            8.0          4.0              4.0
## 309    100308        10026        10051            8.0          7.0              7.0
## 310    100309        10026        10052            8.0          8.0              8.0
## 311    100310        10026        10053            9.0          9.0              8.0
## 312    100311        10026        10054            9.0          8.0              9.0
## 313    100328        10028        10039            5.0          6.0              3.0
## 314    100329        10028        10040            8.0          8.0              8.0
## 315    100330        10028        10041            3.0          8.0              7.0
## 316    100331        10028        10042            4.0          4.0              5.0
## 317    100332        10028        10043            7.0          6.0              7.0
## 318    100333        10028        10044            8.0          8.0              6.0
## 319    100334        10028        10045            6.0          7.0              6.0
## 320    100335        10028        10046            5.0          6.0              5.0
## 321    100336        10028        10047            6.0          8.0              9.0
## 322    100337        10028        10048            7.0          8.0              8.0
## 323    100338        10028        10049            6.0          7.0              7.0
## 324    100339        10028        10050            5.0          8.0              5.0
## 325    100340        10028        10051            5.0          7.0              6.0
## 326    100341        10028        10052            6.0          8.0              8.0
## 327    100342        10028        10053            5.0          8.0              7.0
## 328    100343        10028        10054            6.0          8.0              8.0
## 329    100344        10029        10039            6.0          6.0              8.0
## 330    100345        10029        10040           10.0         10.0             10.0
## 331    100346        10029        10041            4.0          7.0              7.0
## 332    100347        10029        10042            3.0          4.0              7.0
## 333    100348        10029        10043            7.0          7.0              7.0
## 334    100349        10029        10044            6.0          6.0              6.0
## 335    100350        10029        10045            6.0          8.0              8.0
## 336    100351        10029        10046            9.0          5.0              6.0
## 337    100352        10029        10047            5.0          6.0              5.0
## 338    100353        10029        10048            7.0          7.0              7.0
## 339    100354        10029        10049            6.0          7.0              7.0
## 340    100355        10029        10050            3.0          5.0              6.0
## 341    100356        10029        10051            6.0          7.0              7.0
## 342    100357        10029        10052            6.0          8.0              8.0
## 343    100358        10029        10053            6.0          8.0              8.0
```

```
## 344    100359    10029    10054    7.0    9.0    10.0
## 345    100360    10030    10039    7.0    5.0     4.0
## 346    100361    10030    10040    8.0    8.0     8.0
## 347    100362    10030    10041    8.0    7.0     8.0
## 348    100363    10030    10042    6.0    6.0     6.0
## 349    100364    10030    10043    9.0    7.0     7.0
## 350    100365    10030    10044    9.0    8.0     8.0
## 351    100366    10030    10045    9.0    6.0     7.0
## 352    100367    10030    10046    7.0    6.0     6.0
## 353    100368    10030    10047    7.0    7.0     7.0
## 354    100369    10030    10048    9.0    7.0     8.0
## 355    100370    10030    10049    8.0    8.0     8.0
## 356    100371    10030    10050    7.0    7.0     7.0
## 357    100372    10030    10051    8.0    8.0     8.0
## 358    100373    10030    10052    8.0    8.0     9.0
## 359    100374    10030    10053    8.0    8.0     8.0
## 360    100375    10030    10054    8.0   10.0    10.0
## 361    100376    10031    10039    8.0   10.0    10.0
## 362    100377    10031    10040   10.0   10.0    10.0
## 363    100378    10031    10041    5.0    9.0    10.0
## 364    100379    10031    10042    5.0    6.0     7.0
## 365    100380    10031    10043    7.0    6.0     6.0
## 366    100381    10031    10044    9.0    8.0     8.0
## 367    100382    10031    10045    8.0    9.0     8.0
## 368    100383    10031    10046    5.0    7.0     7.0
## 369    100384    10031    10047    5.0    6.0     8.0
## 370    100385    10031    10048    7.0    7.0     8.0
## 371    100386    10031    10049    6.0    7.0     7.0
## 372    100387    10031    10050    8.0    7.0     7.0
## 373    100388    10031    10051    6.0    7.0     7.0
## 374    100389    10031    10052    8.0    9.0     9.0
## 375    100390    10031    10053    7.0    8.0     8.0
## 376    100391    10031    10054    6.0    8.0    10.0
## 377    100392    10032    10039    6.0   10.0    10.0
## 378    100393    10032    10040   10.0   10.0    10.0
## 379    100394    10032    10041    6.0   10.0    10.0
## 380    100395    10032    10042    4.0    4.0     7.0
## 381    100396    10032    10043    6.0    7.0     7.0
## 382    100397    10032    10044    6.0    5.0     7.0
## 383    100398    10032    10045    6.0    8.0     7.0
## 384    100399    10032    10046    5.0    6.0     7.0
## 385    100400    10032    10047    5.0    8.0     8.0
## 386    100401    10032    10048    7.0    7.0     8.0
## 387    100402    10032    10049    6.0    8.0     8.0
## 388    100403    10032    10050    6.0    9.0     8.0
## 389    100404    10032    10051    5.0    7.0     6.0
## 390    100405    10032    10052    7.0    9.0     9.0
## 391    100406    10032    10053    5.0    8.0     8.0
## 392    100407    10032    10054    6.0    9.0     9.0
## 393    100408    10033    10039    8.0    7.0     6.0
## 394    100409    10033    10040   10.0   10.0    10.0
## 395    100410    10033    10041    6.0    9.0     7.0
## 396    100411    10033    10042    6.0    5.0     5.0
## 397    100412    10033    10043    8.0    7.0     8.0
```

```
## 398    100413        10033       10033       7.0       7.0       7.0
## 399    100414        10033       10045       7.0       7.0       7.0
## 400    100415        10033       10046       5.0       6.0       7.0
## 401    100416        10033       10047       7.0       7.0       7.0
## 402    100417        10033       10048       8.0       8.0       7.0
## 403    100418        10033       10049       7.0       7.0       7.0
## 404    100419        10033       10050       6.0       6.0       8.0
## 405    100420        10033       10051       6.0       6.0       6.0
## 406    100421        10033       10052       8.0       8.0       8.0
## 407    100422        10033       10053       8.0       8.0       7.0
## 408    100423        10033       10054       8.0       9.0      10.0
## 409    100424        10034       10039       5.0       6.0       6.0
## 410    100425        10034       10040      10.0       5.0      10.0
## 411    100426        10034       10041       3.0       8.0       7.0
## 412    100427        10034       10042       7.0       4.0       7.0
## 413    100428        10034       10043       8.0       7.0       8.0
## 414    100429        10034       10044       8.0       6.0       7.0
## 415    100430        10034       10045       8.0       8.0       8.0
## 416    100431        10034       10046       7.0       5.0       6.0
## 417    100432        10034       10047       7.0       7.0       8.0
## 418    100433        10034       10048       8.0       8.0      10.0
## 419    100434        10034       10049       7.0       7.0       7.0
## 420    100435        10034       10050       8.0       4.0       8.0
## 421    100436        10034       10051       7.0       7.0       8.0
## 422    100437        10034       10052       8.0       7.0       8.0
## 423    100438        10034       10053       8.0       8.0       9.0
## 424    100439        10034       10054       8.0       8.0       8.0
## 425    100440        10035       10039       5.0       8.0       9.0
## 426    100441        10035       10040       5.0       5.0       5.0
## 427    100442        10035       10041       4.0       7.0       7.0
## 428    100443        10035       10042       6.0       5.0       5.0
## 429    100444        10035       10043       7.0       7.0       7.0
## 430    100445        10035       10044       7.0       7.0       8.0
## 431    100446        10035       10045       6.0       7.0       8.0
## 432    100447        10035       10046       6.0       6.0       6.0
## 433    100448        10035       10047       6.0       8.0       7.0
## 434    100449        10035       10048       8.0       8.0       7.0
## 435    100450        10035       10049       7.0       7.0       7.0
## 436    100451        10035       10050       5.0       6.0       8.0
## 437    100452        10035       10051       6.0       6.0       6.0
## 438    100453        10035       10052       7.0       8.0       8.0
## 439    100454        10035       10053       9.0       8.0       7.0
## 440    100455        10035       10054       6.0       9.0       9.0
## 441    100456        10036       10039       4.0       6.0       8.0
## 442    100457        10036       10040       5.0       5.0       5.0
## 443    100458        10036       10041       4.0       8.0       9.0
## 444    100459        10036       10042       4.0       6.0       7.0
## 445    100460        10036       10043       5.0       5.0       6.0
## 446    100461        10036       10044       6.0       7.0       6.0
## 447    100462        10036       10045       6.0       8.0       9.0
## 448    100463        10036       10046       6.0       3.0       8.0
## 449    100464        10036       10047       3.0       6.0       6.0
## 450    100465        10036       10048       6.0       8.0       8.0
## 451    100466        10036       10049       5.0       7.0       7.0
```

```
## 452    100467         10036         10050          2.0           9.0            9.0
## 453    100468         10036         10051          5.0           7.0            6.0
## 454    100469         10036         10052          7.0           8.0            8.0
## 455    100470         10036         10053          6.0           8.0            7.0
## 456    100471         10036         10054          6.0           9.0            9.0
## 457    100472         10037         10039          8.0           9.0           10.0
## 458    100473         10037         10040          5.0           5.0            5.0
## 459    100474         10037         10041          6.0          10.0            9.0
## 460    100475         10037         10042          4.0           6.0            7.0
## 461    100476         10037         10043          7.0           6.0            6.0
## 462    100477         10037         10044          6.0           6.0            7.0
## 463    100478         10037         10045          8.0           8.0            8.0
## 464    100479         10037         10046          6.0           7.0            7.0
## 465    100480         10037         10047          7.0           7.0            7.0
## 466    100481         10037         10048          8.0           7.0            7.0
## 467    100482         10037         10049          6.0           7.0            7.0
## 468    100483         10037         10050          6.0           8.0            8.0
## 469    100484         10037         10051          7.0           7.0            7.0
## 470    100485         10037         10052          6.0           9.0            9.0
## 471    100486         10037         10053          6.0           8.0            9.0
## 472    100487         10037         10054          8.0          10.0           10.0
## 473    100488         10038         10039          3.0          10.0            9.0
## 474    100489         10038         10040          5.0           5.0            5.0
## 475    100490         10038         10041          4.0           9.0            8.0
## 476    100491         10038         10042          3.0           7.0            7.0
## 477    100492         10038         10043          8.0           5.0            5.0
## 478    100493         10038         10044          5.0           7.0            5.0
## 479    100494         10038         10045          6.0           8.0            7.0
## 480    100495         10038         10046          3.0           7.0            6.0
## 481    100496         10038         10047          3.0           5.0            5.0
## 482    100497         10038         10048          7.0           8.0            7.0
## 483    100498         10038         10049          6.0           7.0            7.0
## 484    100499         10038         10050          1.0           8.0            8.0
## 485    100500         10038         10051          4.0           6.0            6.0
## 486    100501         10038         10052          5.0           8.0            8.0
## 487    100502         10038         10053          3.0           8.0            7.0
## 488    100503         10038         10054          5.0           9.0           10.0
## 489    100504         10039         10020          6.0           8.0            7.0
## 490    100505         10039         10021          5.0           7.0            7.0
## 491    100506         10039         10022          5.0           7.0            6.0
## 492    100507         10039         10023          5.0           6.0            7.0
## 493    100508         10039         10024          7.0           8.0            9.0
## 494    100509         10039         10025          2.0           5.0            5.0
## 495    100510         10039         10026          2.0           6.0            6.0
## 496    100512         10039         10028          4.0           9.0            4.0
## 497    100513         10039         10029          3.0           6.0            6.0
## 498    100514         10039         10030          4.0           6.0            6.0
## 499    100515         10039         10031          4.0           8.0            7.0
## 500    100516         10039         10032          6.0           8.0            7.0
## 501    100517         10039         10033          4.0           4.0            5.0
## 502    100518         10039         10034          6.0           8.0            9.0
## 503    100519         10039         10035          2.0           5.0            2.0
## 504    100520         10039         10036          2.0           4.0            5.0
## 505    100521         10039         10037          2.0           8.0           10.0
```

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## 506    100522         10039         10038           6.0           7.0              9.0
## 507    100523         10040         10020           5.0           8.0              7.0
## 508    100524         10040         10021           4.0           7.0              6.0
## 509    100525         10040         10022           5.0           7.0              7.0
## 510    100526         10040         10023           7.0           8.0              7.0
## 511    100527         10040         10024           5.0           8.0              8.0
## 512    100528         10040         10025           2.0           5.0              5.0
## 513    100529         10040         10026           1.0           6.0              4.0
## 514    100531         10040         10028           4.0           8.0              6.0
## 515    100532         10040         10029           8.0           9.0              8.0
## 516    100533         10040         10030           3.0           6.0              6.0
## 517    100534         10040         10031           7.0           8.0              9.0
## 518    100535         10040         10032           2.0           6.0              7.0
## 519    100536         10040         10033           3.0           4.0              7.0
## 520    100537         10040         10034           5.0           9.0              8.0
## 521    100538         10040         10035           1.0           2.0              2.0
## 522    100539         10040         10036           2.0           5.0              6.0
## 523    100540         10040         10037           1.0           1.0             10.0
## 524    100541         10040         10038           3.0          10.0              9.0
## 525    100542         10041         10020           8.0           9.0              8.0
## 526    100543         10041         10021           5.0           6.0              6.0
## 527    100544         10041         10022           6.0           6.0              7.0
## 528    100545         10041         10023           6.0           8.0              7.0
## 529    100546         10041         10024           6.0           7.0              8.0
## 530    100547         10041         10025           2.0           5.0              5.0
## 531    100548         10041         10026           1.0           4.0              6.0
## 532    100550         10041         10028           6.0           8.0              7.0
## 533    100551         10041         10029           6.0           7.0              8.0
## 534    100552         10041         10030           4.0           5.0              6.0
## 535    100553         10041         10031           5.0           6.0              6.0
## 536    100554         10041         10032           6.0           8.0              6.0
## 537    100555         10041         10033           5.0           4.0              5.0
## 538    100556         10041         10034           6.0           8.0              9.0
## 539    100557         10041         10035           2.0           2.0              4.0
## 540    100558         10041         10036           4.0           4.0              6.0
## 541    100559         10041         10037           8.0           8.0             10.0
## 542    100560         10041         10038           5.0           5.0              9.0
## 543    100561         10042         10020           5.0           8.0              8.0
## 544    100562         10042         10021           5.0           7.0              7.0
## 545    100563         10042         10022           5.0           7.0              8.0
## 546    100564         10042         10023           7.0           8.0              8.0
## 547    100565         10042         10024           4.0           5.0             10.0
## 548    100566         10042         10025           2.0           6.0              7.0
## 549    100567         10042         10026           1.0           6.0              7.0
## 550    100569         10042         10028           5.0           7.0              5.0
## 551    100570         10042         10029           4.0           6.0              6.0
## 552    100571         10042         10030           4.0           5.0              6.0
## 553    100572         10042         10031           5.0           7.0              7.0
## 554    100573         10042         10032           5.0           7.0              7.0
## 555    100574         10042         10033           4.0           4.0              6.0
## 556    100575         10042         10034           6.0           8.0              8.0
## 557    100576         10042         10035           1.0           1.0              1.0
## 558    100577         10042         10036           4.0           7.0              8.0
## 559    100578         10042         10037           3.0           7.0             10.0
```

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## 560    100579        10042        10038         7.0         9.0         8.0
## 561    100580        10043        10020         7.0         7.0         8.0
## 562    100581        10043        10021         6.0         8.0         8.0
## 563    100582        10043        10022         7.0         7.0         7.0
## 564    100583        10043        10023         5.0         8.0         8.0
## 565    100584        10043        10024         6.0         7.0         9.0
## 566    100585        10043        10025         3.0         8.0         7.0
## 567    100586        10043        10026         1.0         3.0         4.0
## 568    100588        10043        10028         8.0         6.0         7.0
## 569    100589        10043        10029         6.0         9.0         7.0
## 570    100590        10043        10030         4.0         6.0         7.0
## 571    100591        10043        10031         5.0         7.0         9.0
## 572    100592        10043        10032         5.0         6.0         6.0
## 573    100593        10043        10033         4.0         6.0         5.0
## 574    100594        10043        10034         5.0         8.0         7.0
## 575    100595        10043        10035         1.0         1.0         1.0
## 576    100596        10043        10036         7.0         6.0         8.0
## 577    100597        10043        10037         5.0        10.0         7.0
## 578    100598        10043        10038         4.0         7.0         7.0
## 579    100599        10044        10020         6.0         8.0         8.0
## 580    100600        10044        10021         6.0         7.0         7.0
## 581    100601        10044        10022         6.0         7.0         7.0
## 582    100602        10044        10023         7.0         7.0         8.0
## 583    100603        10044        10024         6.0         8.0         7.0
## 584    100604        10044        10025         4.0         7.0         6.0
## 585    100605        10044        10026         3.0         6.0         6.0
## 586    100607        10044        10028         6.0         8.0         7.0
## 587    100608        10044        10029         4.0         5.0         5.0
## 588    100609        10044        10030         4.0         5.0         7.0
## 589    100610        10044        10031         8.0         8.0         9.0
## 590    100611        10044        10032         6.0         6.0         7.0
## 591    100612        10044        10033         4.0         5.0         6.0
## 592    100613        10044        10034         7.0         8.0         9.0
## 593    100614        10044        10035         2.0         2.0         5.0
## 594    100615        10044        10036         6.0         4.0         7.0
## 595    100616        10044        10037         6.0         6.0         8.0
## 596    100617        10044        10038         4.0         5.0         7.0
## 597    100618        10045        10020         6.0         8.0         8.0
## 598    100619        10045        10021         8.0         7.0         7.0
## 599    100620        10045        10022         7.0         6.0         7.0
## 600    100621        10045        10023         9.0         8.0         7.0
## 601    100622        10045        10024         7.0         8.0         8.0
## 602    100623        10045        10025         7.0         4.0         5.0
## 603    100624        10045        10026         8.0         7.0         6.0
## 604    100626        10045        10028         8.0         6.0         6.0
## 605    100627        10045        10029         8.0         7.0         7.0
## 606    100628        10045        10030         9.0         6.0         7.0
## 607    100629        10045        10031         8.0         9.0         8.0
## 608    100630        10045        10032         8.0         7.0         9.0
## 609    100631        10045        10033         9.0         8.0         9.0
## 610    100632        10045        10034         8.0         8.0         9.0
## 611    100633        10045        10035         2.0         5.0         4.0
## 612    100634        10045        10036         8.0         5.0         9.0
## 613    100635        10045        10037        10.0         6.0         6.0
```

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## 614   100636        10045       10038          8.0        6.0             9.0
## 615   100637        10046       10020          4.0        7.0             7.0
## 616   100638        10046       10021          5.0        7.0             7.0
## 617   100639        10046       10022          5.0        6.0             7.0
## 618   100640        10046       10023          5.0        7.0             7.0
## 619   100641        10046       10024          3.0        8.0             9.0
## 620   100642        10046       10025          3.0        7.0             6.0
## 621   100643        10046       10026          1.0        4.0             5.0
## 622   100645        10046       10028          5.0        6.0             6.0
## 623   100646        10046       10029          5.0        5.0             5.0
## 624   100647        10046       10030          2.0        3.0             4.0
## 625   100648        10046       10031          7.0        9.0             8.0
## 626   100649        10046       10032          4.0        5.0             6.0
## 627   100650        10046       10033          3.0        3.0             5.0
## 628   100651        10046       10034          5.0        6.0             8.0
## 629   100652        10046       10035          1.0        3.0             5.0
## 630   100653        10046       10036          3.0        5.0             7.0
## 631   100654        10046       10037          7.0        9.0             7.0
## 632   100655        10046       10038          5.0        5.0             8.0
## 633   100656        10047       10020          7.0        7.0             7.0
## 634   100657        10047       10021          7.0        7.0             7.0
## 635   100658        10047       10022          6.0        6.0             6.0
## 636   100659        10047       10023          7.0        7.0             7.0
## 637   100660        10047       10024          7.0        8.0             8.0
## 638   100661        10047       10025          6.0        5.0             5.0
## 639   100662        10047       10026          4.0        6.0             4.0
## 640   100664        10047       10028          8.0        7.0             8.0
## 641   100665        10047       10029          7.0        7.0             5.0
## 642   100666        10047       10030          8.0        9.0             8.0
## 643   100667        10047       10031          7.0        8.0             7.0
## 644   100668        10047       10032          8.0        7.0             6.0
## 645   100669        10047       10033          5.0        4.0             3.0
## 646   100670        10047       10034          8.0        8.0             7.0
## 647   100671        10047       10035          3.0        1.0             2.0
## 648   100672        10047       10036          8.0        5.0             6.0
## 649   100673        10047       10037          8.0        6.0             5.0
## 650   100674        10047       10038          8.0        5.0             6.0
## 651   100675        10048       10020          9.0        9.0            10.0
## 652   100676        10048       10021          6.0        7.0             7.0
## 653   100677        10048       10022          7.0        7.0             6.0
## 654   100678        10048       10023          6.0        7.0             7.0
## 655   100679        10048       10024          8.0        8.0             9.0
## 656   100680        10048       10025          5.0        8.0             8.0
## 657   100681        10048       10026          4.0        5.0             4.0
## 658   100683        10048       10028          7.0        5.0             6.0
## 659   100684        10048       10029          8.0        7.0             7.0
## 660   100685        10048       10030          7.0        8.0             8.0
## 661   100686        10048       10031          6.0        8.0             9.0
## 662   100687        10048       10032          6.0        7.0             8.0
## 663   100688        10048       10033          7.0        8.0             8.0
## 664   100689        10048       10034          7.0        9.0             9.0
## 665   100690        10048       10035          4.0        5.0             8.0
## 666   100691        10048       10036          6.0        5.0             5.0
## 667   100692        10048       10037          9.0        9.0             9.0
```

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```
## 668    100693    10048    10038    5.0    7.0     7.0
## 669    100694    10049    10020    5.0    7.0     7.0
## 670    100695    10049    10021    5.0    6.0     7.0
## 671    100696    10049    10022    6.0    6.0     7.0
## 672    100697    10049    10023    6.0    8.0     7.0
## 673    100698    10049    10024    9.0    8.0     9.0
## 674    100699    10049    10025    7.0    6.0     6.0
## 675    100700    10049    10026    6.0    5.0     6.0
## 676    100702    10049    10028    7.0    7.0     7.0
## 677    100703    10049    10029    7.0    7.0     8.0
## 678    100704    10049    10030    9.0    7.0     8.0
## 679    100705    10049    10031    7.0    8.0     8.0
## 680    100706    10049    10032    7.0    9.0     7.0
## 681    100707    10049    10033    4.0    4.0     6.0
## 682    100708    10049    10034    6.0    8.0     8.0
## 683    100709    10049    10035    5.0    4.0     8.0
## 684    100710    10049    10036    6.0    3.0     6.0
## 685    100711    10049    10037    8.0    8.0     8.0
## 687    100713    10050    10020    7.0    4.0     6.0
## 688    100714    10050    10021    3.0    4.0     5.0
## 689    100715    10050    10022    7.0    6.0     5.0
## 690    100716    10050    10023    6.0    6.0     8.0
## 691    100717    10050    10024    6.0    5.0     8.0
## 692    100718    10050    10025    6.0    7.0     6.0
## 693    100719    10050    10026    1.0    2.0     6.0
## 694    100721    10050    10028    6.0    7.0     7.0
## 695    100722    10050    10029    5.0    5.0     5.0
## 696    100723    10050    10030    4.0    6.0     5.0
## 697    100724    10050    10031    5.0    6.0     7.0
## 698    100725    10050    10032    7.0    5.0     9.0
## 699    100726    10050    10033    3.0    3.0     4.0
## 700    100727    10050    10034    8.0    8.0     6.0
## 701    100728    10050    10035    5.0    2.0     6.0
## 702    100729    10050    10036    7.0    4.0     7.0
## 703    100730    10050    10037    8.0    7.0     9.0
## 704    100731    10050    10038    3.0    1.0     8.0
## 705    100732    10051    10020    5.0    8.0     8.0
## 706    100733    10051    10021    3.0    6.0     7.0
## 707    100734    10051    10022    6.0    6.0     5.0
## 708    100735    10051    10023    4.0    7.0     7.0
## 709    100736    10051    10024    5.0    4.0     7.0
## 710    100737    10051    10025    2.0    7.0     6.0
## 711    100738    10051    10026    1.0    3.0     7.0
## 712    100740    10051    10028    6.0    8.0     8.0
## 713    100741    10051    10029    3.0    7.0     8.0
## 714    100742    10051    10030    3.0    8.0     8.0
## 715    100743    10051    10031    4.0    7.0     6.0
## 716    100744    10051    10032    9.0    9.0     8.0
## 717    100745    10051    10033    4.0    4.0     5.0
## 718    100746    10051    10034    6.0    7.0    10.0
## 719    100747    10051    10035    1.0    5.0     5.0
## 720    100748    10051    10036    2.0    6.0     6.0
## 721    100749    10051    10037    2.0    9.0     9.0
## 722    100750    10051    10038    3.0    9.0     9.0
```

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## 723    100751         10052         10020          6.0          8.0          7.0
## 724    100752         10052         10021          7.0          7.0          8.0
## 725    100753         10052         10022          6.0          7.0          7.0
## 726    100754         10052         10023          8.0          7.0          7.0
## 727    100755         10052         10024          7.0          8.0          9.0
## 728    100756         10052         10025          6.0          8.0          8.0
## 729    100757         10052         10026          6.0          4.0          8.0
## 730    100759         10052         10028          9.0          8.0          8.0
## 731    100760         10052         10029          7.0          7.0          8.0
## 732    100761         10052         10030          7.0          7.0          7.0
## 733    100762         10052         10031          7.0          6.0          9.0
## 734    100763         10052         10032          8.0          7.0          5.0
## 735    100764         10052         10033          5.0          4.0          6.0
## 736    100765         10052         10034          8.0          8.0          8.0
## 737    100766         10052         10035          9.0          8.0          8.0
## 738    100767         10052         10036          7.0          7.0          7.0
## 739    100768         10052         10037          3.0          9.0          9.0
## 740    100769         10052         10038          8.0          7.0          9.0
## 741    100770         10053         10020          6.0          8.0          7.0
## 742    100771         10053         10021          4.0          5.0          5.0
## 743    100772         10053         10022          6.0          7.0          6.0
## 744    100773         10053         10023          6.0          8.0          7.0
## 745    100774         10053         10024          5.0          8.0          8.0
## 746    100775         10053         10025          2.0          8.0          7.0
## 747    100776         10053         10026          2.0          4.0          7.0
## 748    100778         10053         10028          6.0          7.0          6.0
## 749    100779         10053         10029          3.0          5.0          8.0
## 750    100780         10053         10030          4.0          5.0          6.0
## 751    100781         10053         10031          7.0          6.0          9.0
## 752    100782         10053         10032          5.0          6.0          5.0
## 753    100783         10053         10033          4.0          6.0          6.0
## 754    100784         10053         10034          6.0          8.0          8.0
## 755    100785         10053         10035          3.0          4.0          6.0
## 756    100786         10053         10036          4.0          3.0          4.0
## 757    100787         10053         10037          3.0          9.0          9.0
## 758    100788         10053         10038          4.0          8.0          8.0
## 759    100789         10054         10020          5.0          9.0          9.0
## 760    100790         10054         10021          6.0          7.0          7.0
## 761    100791         10054         10022          6.0          8.0          7.0
## 762    100792         10054         10023          8.0          7.0          7.0
## 763    100793         10054         10024          7.0          7.0          7.0
## 764    100794         10054         10025          6.0          6.0          6.0
## 765    100795         10054         10026          5.0          6.0          6.0
## 766    100797         10054         10028          6.0          8.0          7.0
## 767    100798         10054         10029          7.0          7.0          8.0
## 768    100799         10054         10030          9.0          8.0          7.0
## 769    100800         10054         10031          8.0          8.0          7.0
## 770    100801         10054         10032          7.0          7.0          6.0
## 771    100802         10054         10033          4.0          4.0          5.0
## 772    100803         10054         10034          6.0          8.0          8.0
## 773    100804         10054         10035          5.0          6.0          8.0
## 774    100805         10054         10036          5.0          7.0          6.0
## 775    100806         10054         10037          8.0          8.0          8.0
## 776    100807         10054         10038          6.0          7.0          8.0
```

```
## 777    100808         10055        10065           7.0          6.0              6.0
## 778    100809         10055        10066           8.0          8.0              7.0
## 779    100810         10055        10067           6.0          4.0              5.0
## 780    100811         10055        10068           7.0          5.0              5.0
## 781    100812         10055        10069           8.0          6.0              7.0
## 782    100813         10055        10070           9.0          8.0              8.0
## 783    100814         10055        10071           7.0          8.0              7.0
## 784    100815         10055        10072           7.0          7.0              6.0
## 785    100816         10055        10073           8.0         10.0              8.0
## 786    100817         10055        10074           8.0          6.0              6.0
## 787    100818         10056        10065           4.0          7.0              7.0
## 788    100819         10056        10066           5.0         10.0              7.0
## 789    100820         10056        10067           5.0          6.0              6.0
## 790    100821         10056        10068           4.0          7.0              7.0
## 791    100822         10056        10069           5.0          8.0              7.0
## 792    100823         10056        10070           6.0          9.0              8.0
## 793    100824         10056        10071           5.0          8.0              8.0
## 794    100825         10056        10072           6.0          8.0              6.0
## 795    100826         10056        10073           7.0          6.0              6.0
## 796    100827         10056        10074           6.0          8.0              7.0
## 797    100848         10059        10065           5.0          8.0              7.0
## 798    100849         10059        10066           6.0          6.0              5.0
## 799    100850         10059        10067           3.0          6.0              5.0
## 800    100851         10059        10068           4.0          7.0              7.0
## 801    100852         10059        10069           6.0          6.0              6.0
## 802    100853         10059        10070           4.0          8.0              6.0
## 803    100854         10059        10071           5.0          8.0              7.0
## 804    100855         10059        10072           4.0          7.0              6.0
## 805    100856         10059        10073           6.0          8.0              8.0
## 806    100857         10059        10074           5.0          6.0              7.0
## 807    100858         10060        10065           3.0          6.0              7.0
## 808    100859         10060        10066           0.0          6.0              5.0
## 809    100860         10060        10067           4.0          6.0              6.0
## 810    100861         10060        10068           2.0          8.0              8.0
## 811    100862         10060        10069           5.0          8.0              9.0
## 812    100863         10060        10070           6.0          6.0              8.0
## 813    100864         10060        10071           5.0          8.0              7.0
## 814    100865         10060        10072           3.0          7.0              7.0
## 815    100866         10060        10073           5.0          9.0             10.0
## 816    100867         10060        10074           6.0          7.0              8.0
## 817    100868         10061        10065           9.0          8.0              8.0
## 818    100869         10061        10066          10.0         10.0             10.0
## 819    100870         10061        10067           8.0          7.0              6.0
## 820    100871         10061        10068           8.0          6.0              8.0
## 821    100872         10061        10069           8.0          6.0              7.0
## 822    100873         10061        10070          10.0          6.0              8.0
## 823    100874         10061        10071           7.0          7.0              7.0
## 824    100875         10061        10072           7.0          7.0              7.0
## 825    100876         10061        10073          10.0          9.0              9.0
## 826    100877         10061        10074           6.0          5.0              6.0
## 827    100878         10062        10065           2.0          6.0              7.0
## 828    100879         10062        10066           5.0          5.0              5.0
## 829    100880         10062        10067           4.0          7.0              7.0
## 830    100881         10062        10068           1.0          6.0              8.0
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## 831    100882        10062        10069        5.0        7.0            9.0
## 832    100883        10062        10070        6.0        4.0            6.0
## 833    100884        10062        10071        5.0        8.0            8.0
## 834    100885        10062        10072        4.0        8.0            7.0
## 835    100886        10062        10073        7.0        8.0            7.0
## 836    100887        10062        10074        5.0        6.0            6.0
## 837    100888        10063        10065        4.0        6.0            6.0
## 838    100889        10063        10066        6.0        6.0            8.0
## 839    100890        10063        10067        3.0        4.0            6.0
## 840    100891        10063        10068        4.0        6.0            8.0
## 841    100892        10063        10069        6.0        6.0            9.0
## 842    100893        10063        10070        7.0        7.0            9.0
## 843    100894        10063        10071        6.0        7.0            8.0
## 844    100895        10063        10072        3.0        7.0            6.0
## 845    100896        10063        10073        8.0        7.0            7.0
## 846    100897        10063        10074        6.0        6.0            7.0
## 847    100898        10064        10065        8.0        8.0            8.0
## 848    100899        10064        10066        7.0        6.0            7.0
## 849    100900        10064        10067        6.0        7.0            6.0
## 850    100901        10064        10068        5.0        6.0            5.0
## 851    100902        10064        10069        7.0        7.0            7.0
## 852    100903        10064        10070        8.0        8.0            9.0
## 853    100904        10064        10071        5.0        7.0            7.0
## 854    100905        10064        10072        6.0        8.0            7.0
## 855    100906        10064        10073        7.0        9.0            8.0
## 856    100907        10064        10074        6.0        7.0            6.0
## 857    100908        10065        10055        2.0        6.0            2.0
## 858    100909        10065        10056        8.0        7.0            7.0
## 859    100912        10065        10059        9.0        10.0           10.0
## 860    100913        10065        10060        5.0        8.0            7.0
## 861    100914        10065        10061        6.0        7.0            7.0
## 862    100915        10065        10062        2.0        7.0            7.0
## 863    100916        10065        10063        7.0        7.0            8.0
## 864    100917        10065        10064        6.0        7.0            8.0
## 865    100918        10066        10055        3.0        9.0            9.0
## 866    100919        10066        10056        8.0        8.0            8.0
## 867    100922        10066        10059        7.0        10.0           10.0
## 868    100923        10066        10060        6.0        8.0            7.0
## 869    100924        10066        10061        8.0        9.0            9.0
## 870    100925        10066        10062        7.0        7.0            7.0
## 871    100926        10066        10063        7.0        7.0            7.0
## 872    100927        10066        10064        6.0        7.0            7.0
## 873    100928        10067        10055        3.0        7.0            5.0
## 874    100929        10067        10056        7.0        6.0            9.0
## 875    100932        10067        10059        5.0        1.0            9.0
## 876    100933        10067        10060        7.0        7.0            8.0
## 877    100934        10067        10061        6.0        7.0            7.0
## 878    100935        10067        10062        7.0        7.0            8.0
## 879    100936        10067        10063        4.0        5.0            7.0
## 880    100937        10067        10064        7.0        7.0            7.0
## 881    100938        10068        10055        5.0        10.0           8.0
## 882    100939        10068        10056        9.0        8.0            7.0
## 883    100942        10068        10059        9.0        9.0            10.0
## 884    100943        10068        10060        8.0        8.0            8.0
```

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## 885   100944        10068        10061        8.0        8.0        8.0
## 886   100945        10068        10062        6.0        7.0        8.0
## 887   100946        10068        10063        7.0        7.0        8.0
## 888   100947        10068        10064        7.0        7.0        7.0
## 889   100948        10069        10055        4.0        7.0        9.0
## 890   100949        10069        10056        8.0       10.0       10.0
## 891   100952        10069        10059        6.0       10.0       10.0
## 892   100953        10069        10060        6.0        5.0        6.0
## 893   100954        10069        10061        7.0        7.0        8.0
## 894   100955        10069        10062        6.0        6.0        9.0
## 895   100956        10069        10063        5.0        6.0        8.0
## 896   100957        10069        10064        7.0        7.0        8.0
## 897   100958        10070        10055        3.0       10.0        8.0
## 898   100959        10070        10056       10.0        9.0        9.0
## 899   100962        10070        10059        2.0       10.0       10.0
## 900   100963        10070        10060        6.0        9.0        8.0
## 901   100964        10070        10061        7.0        8.0        8.0
## 902   100965        10070        10062        1.0        7.0        5.0
## 903   100966        10070        10063        5.0        6.0        6.0
## 904   100967        10070        10064        5.0        7.0        7.0
## 905   100968        10071        10055        3.0       10.0        5.0
## 906   100969        10071        10056       10.0       10.0       10.0
## 907   100972        10071        10059       10.0        4.0        8.0
## 908   100973        10071        10060        7.0        7.0        8.0
## 909   100974        10071        10061        7.0        7.0        6.0
## 910   100975        10071        10062        3.0        8.0        5.0
## 911   100976        10071        10063        6.0        6.0        7.0
## 912   100977        10071        10064        7.0        7.0        7.0
## 913   100978        10072        10055        4.0       10.0        9.0
## 914   100979        10072        10056       10.0       10.0       10.0
## 915   100982        10072        10059        7.0       10.0       10.0
## 916   100983        10072        10060        6.0        5.0        7.0
## 917   100984        10072        10061        7.0        8.0        8.0
## 918   100985        10072        10062        4.0        5.0        5.0
## 919   100986        10072        10063        6.0        6.0        7.0
## 920   100987        10072        10064        7.0        7.0        7.0
## 921   100988        10073        10055        3.0       10.0        7.0
## 922   100989        10073        10056        8.0        9.0       10.0
## 923   100992        10073        10059        9.0       10.0       10.0
## 924   100993        10073        10060        5.0        8.0        8.0
## 925   100994        10073        10061        6.0        8.0        8.0
## 926   100995        10073        10062        3.0        8.0        8.0
## 927   100996        10073        10063        6.0        6.0        6.0
## 928   100997        10073        10064        7.0        7.0        7.0
## 929   100998        10074        10055        3.0       10.0        9.0
## 930   100999        10074        10056        8.0        8.0       10.0
## 931   101002        10074        10059        2.0       10.0       10.0
## 932   101003        10074        10060        6.0        8.0        8.0
## 933   101004        10074        10061        7.0        7.0        8.0
## 934   101005        10074        10062        3.0        7.0        4.0
## 935   101006        10074        10063        8.0        6.0        8.0
## 936   101007        10074        10064        5.0        8.0        7.0
## 937   101008        10075        10093        6.0        6.0        6.0
## 938   101009        10075        10094        6.0        6.0        7.0
```

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## 939    101010         10075         10095          6.0          7.0          7.0
## 940    101011         10075         10096          4.0          6.0          7.0
## 941    101012         10075         10097         10.0         10.0         10.0
## 942    101013         10075         10098          4.0          7.0          8.0
## 943    101014         10075         10099          4.0          7.0          8.0
## 944    101015         10075         10100          7.0          7.0          8.0
## 945    101016         10075         10101          5.0          7.0          8.0
## 946    101017         10075         10102          6.0          8.0          9.0
## 947    101018         10075         10103          6.0          8.0          7.0
## 948    101019         10075         10104          7.0          7.0          8.0
## 949    101020         10075         10105          8.0          3.0          7.0
## 950    101021         10075         10106          9.0          9.0          9.0
## 951    101022         10075         10107          7.0          7.0          8.0
## 952    101023         10075         10108          8.0         10.0          8.0
## 953    101024         10075         10109          6.0          6.0          8.0
## 954    101025         10075         10110          3.0          4.0          8.0
## 955    101026         10076         10093          8.0          8.0          7.0
## 956    101027         10076         10094          4.0          6.0          5.0
## 957    101028         10076         10095          7.0          7.0          7.0
## 958    101029         10076         10096          6.0          9.0          9.0
## 959    101030         10076         10097         10.0         10.0         10.0
## 960    101031         10076         10098          8.0          8.0          9.0
## 961    101032         10076         10099          8.0          7.0          6.0
## 962    101033         10076         10100          7.0          7.0          6.0
## 963    101034         10076         10101          4.0          5.0          6.0
## 964    101035         10076         10102          6.0          7.0          7.0
## 965    101036         10076         10103          6.0          6.0          6.0
## 966    101037         10076         10104          8.0          7.0          8.0
## 967    101038         10076         10105          7.0          5.0          7.0
## 968    101039         10076         10106          6.0          8.0          8.0
## 969    101040         10076         10107          9.0          6.0          7.0
## 970    101041         10076         10108          7.0         10.0          8.0
## 971    101042         10076         10109          6.0          7.0          8.0
## 972    101043         10076         10110          6.0          7.0          7.0
## 973    101044         10077         10093          7.0          5.0          6.0
## 974    101045         10077         10094          5.0          6.0          7.0
## 975    101046         10077         10095          6.0          6.0          6.0
## 976    101047         10077         10096          8.0          7.0          8.0
## 977    101048         10077         10097         10.0         10.0         10.0
## 978    101049         10077         10098          4.0          4.0          3.0
## 979    101050         10077         10099          8.0          8.0          7.0
## 980    101051         10077         10100          7.0          7.0          6.0
## 981    101052         10077         10101          5.0          5.0          6.0
## 982    101053         10077         10102          6.0          7.0          6.0
## 983    101054         10077         10103          6.0          8.0          6.0
## 984    101055         10077         10104          5.0          8.0          8.0
## 985    101056         10077         10105         10.0         10.0         10.0
## 986    101057         10077         10106          6.5          7.0          6.5
## 987    101058         10077         10107          7.0          7.0          5.0
## 988    101059         10077         10108          7.0         10.0          8.0
## 989    101060         10077         10109          5.0          5.0          7.0
## 990    101061         10077         10110          4.0          4.0          5.0
## 991    101062         10078         10093          7.0          7.0          8.0
## 992    101063         10078         10094          4.0          7.0          7.0
```

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## 993   101064        10078         10095          8.0          9.0          9.0
## 994   101065        10078         10096          5.0          7.0          8.0
## 995   101066        10078         10097         10.0         10.0         10.0
## 996   101067        10078         10098          6.0          7.0          8.0
## 997   101068        10078         10099          4.0          8.0          8.0
## 998   101069        10078         10100          6.0          8.0          8.0
## 999   101070        10078         10101          4.0          4.0          4.0
## 1000  101071        10078         10102          5.0          7.0          8.0
## 1001  101072        10078         10103          6.0          8.0          7.0
## 1002  101073        10078         10104          5.0          9.0          8.0
## 1003  101074        10078         10105          8.0         10.0         10.0
## 1004  101075        10078         10106          6.0          8.0          9.0
## 1005  101076        10078         10107          7.0          8.0          7.0
## 1006  101077        10078         10108          7.0         10.0          7.0
## 1007  101078        10078         10109          5.0          8.0          9.0
## 1008  101079        10078         10110          3.0          6.0          5.0
## 1009  101080        10079         10093          6.0          7.0          7.0
## 1010  101081        10079         10094          5.0          8.0          7.0
## 1011  101082        10079         10095          6.0          7.0          7.0
## 1012  101083        10079         10096          4.0          6.0          7.0
## 1013  101084        10079         10097         10.0         10.0         10.0
## 1014  101085        10079         10098          5.0          4.0          6.0
## 1015  101086        10079         10099          6.0          9.0          8.0
## 1016  101087        10079         10100          6.0          8.0          7.0
## 1017  101088        10079         10101         10.0          9.0          8.0
## 1018  101089        10079         10102          7.0          8.0          8.0
## 1019  101090        10079         10103          6.0          9.0          8.0
## 1020  101091        10079         10104          6.0          9.0          9.0
## 1021  101092        10079         10105          8.0         10.0          7.0
## 1022  101093        10079         10106          6.0          8.0          8.0
## 1023  101094        10079         10107          6.0          8.0          8.0
## 1024  101095        10079         10108          7.0         10.0          7.0
## 1025  101096        10079         10109          6.0          8.0          8.0
## 1026  101097        10079         10110          5.0          5.0          6.0
## 1027  101098        10080         10093          9.0          8.0          8.0
## 1028  101099        10080         10094          6.0          6.0          6.0
## 1029  101100        10080         10095          7.0          7.0          7.0
## 1030  101101        10080         10096          7.0          7.0          8.0
## 1031  101102        10080         10097         10.0         10.0         10.0
## 1032  101103        10080         10098          8.0          7.0          7.0
## 1033  101104        10080         10099          9.0          8.0          9.0
## 1034  101105        10080         10100          8.0          8.0          7.0
## 1035  101106        10080         10101         10.0          9.0          7.0
## 1036  101107        10080         10102          8.0          8.0          8.0
## 1037  101108        10080         10103          8.0          6.0          7.0
## 1038  101109        10080         10104          8.0          7.0          9.0
## 1039  101110        10080         10105          9.0          5.0          6.0
## 1040  101111        10080         10106         10.0          9.0          9.0
## 1041  101112        10080         10107          8.0          7.0          6.0
## 1042  101113        10080         10108          8.0         10.0          8.0
## 1043  101114        10080         10109          5.0          5.0          8.0
## 1044  101115        10080         10110          4.0          4.0          7.0
## 1045  101116        10081         10093          9.0          9.0          8.0
## 1046  101117        10081         10094          4.0          6.0          5.0
```

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```
## 1047   101118       10081       10095            7.0         8.0             8.0
## 1048   101119       10081       10096            5.0         6.0             6.0
## 1049   101120       10081       10097           10.0        10.0            10.0
## 1050   101121       10081       10098            4.0         8.0             7.0
## 1051   101122       10081       10099            6.0         9.0             9.0
## 1052   101123       10081       10100            9.0         8.0             8.0
## 1053   101124       10081       10101            6.0         5.0             8.0
## 1054   101125       10081       10102            6.0         7.0             6.0
## 1055   101126       10081       10103            7.0         8.0             7.0
## 1056   101127       10081       10104            8.0         7.0             7.0
## 1057   101128       10081       10105            6.0        10.0             5.0
## 1058   101129       10081       10106            8.0         8.0             8.0
## 1059   101130       10081       10107            6.0         7.0             6.0
## 1060   101131       10081       10108            7.0        10.0             8.0
## 1061   101132       10081       10109            6.0         8.0             9.0
## 1062   101133       10081       10110            5.0         6.0             5.0
## 1063   101134       10082       10093            7.0         7.0             7.0
## 1064   101135       10082       10094            7.0         7.0             8.0
## 1065   101136       10082       10095            7.0         7.0             7.0
## 1066   101137       10082       10096            7.0         6.0             7.0
## 1067   101138       10082       10097           10.0        10.0            10.0
## 1068   101139       10082       10098            6.0         7.0             8.0
## 1069   101140       10082       10099            5.0         9.0             8.0
## 1070   101141       10082       10100            8.0         8.0             8.0
## 1071   101142       10082       10101           10.0         9.0             8.0
## 1072   101143       10082       10102            8.0         8.0             8.0
## 1073   101144       10082       10103            7.0         6.0             6.0
## 1074   101145       10082       10104            8.0         9.0             8.0
## 1075   101146       10082       10105           10.0        10.0            10.0
## 1076   101147       10082       10106            9.0        10.0             9.0
## 1077   101148       10082       10107            6.0         7.0             5.0
## 1078   101149       10082       10108            7.0        10.0             8.0
## 1079   101150       10082       10109            7.0         8.0             9.0
## 1080   101151       10082       10110            3.0         7.0             6.0
## 1081   101152       10083       10093            6.0         7.0             6.0
## 1082   101153       10083       10094            5.0         7.0             6.0
## 1083   101154       10083       10095            7.0         7.0             8.0
## 1084   101155       10083       10096            7.0         7.0             7.0
## 1085   101156       10083       10097           10.0        10.0            10.0
## 1086   101157       10083       10098            4.0         6.0             7.0
## 1087   101158       10083       10099            5.0         8.0             9.0
## 1088   101159       10083       10100            8.0         9.0             8.0
## 1089   101160       10083       10101            9.0         8.0             7.0
## 1090   101161       10083       10102            7.0         7.0             9.0
## 1091   101162       10083       10103            6.0         6.0             6.0
## 1092   101163       10083       10104            7.0         9.0             9.0
## 1093   101164       10083       10105           10.0        10.0            10.0
## 1094   101165       10083       10106            7.0         7.0             8.5
## 1095   101166       10083       10107            7.0         8.0             9.0
## 1096   101167       10083       10108            7.0        10.0             8.0
## 1097   101168       10083       10109            8.0         6.0             7.0
## 1098   101169       10083       10110            2.0         6.0             6.0
## 1099   101170       10084       10093            7.0         7.0             7.0
## 1100   101171       10084       10094            5.0         7.0             6.0
```

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## 1101  101172       10084       10095        7.0        7.0        7.0
## 1102  101173       10084       10096        6.0        6.0        6.0
## 1103  101174       10084       10097       10.0       10.0       10.0
## 1104  101175       10084       10098        5.0        7.0        9.0
## 1105  101176       10084       10099        7.0        9.0        9.0
## 1106  101177       10084       10100        7.0        7.0        7.0
## 1107  101178       10084       10101        5.0        6.0        7.0
## 1108  101179       10084       10102        6.0        7.0        8.0
## 1109  101180       10084       10103        6.0        8.0        6.0
## 1110  101181       10084       10104        7.0        7.0        8.0
## 1111  101182       10084       10105        6.0       10.0        6.0
## 1112  101183       10084       10106        8.0        8.0        7.0
## 1113  101184       10084       10107        7.0        7.0        6.0
## 1114  101185       10084       10108        7.0       10.0        8.0
## 1115  101186       10084       10109        6.0        8.0        8.0
## 1116  101187       10084       10110        3.0        8.0        7.0
## 1117  101188       10085       10093        6.0        8.0        8.0
## 1118  101189       10085       10094        8.0        8.0        8.0
## 1119  101190       10085       10095        8.0        8.0        9.0
## 1120  101191       10085       10096        8.0        8.0        8.0
## 1121  101192       10085       10097       10.0       10.0       10.0
## 1122  101193       10085       10098        5.0        8.0        7.0
## 1123  101194       10085       10099        8.0       10.0        9.0
## 1124  101195       10085       10100        9.0        8.0        8.0
## 1125  101196       10085       10101        6.0        8.0        8.0
## 1126  101197       10085       10102        6.0        7.0        7.0
## 1127  101198       10085       10103        7.0        7.0        7.0
## 1128  101199       10085       10104        8.0        8.0        8.0
## 1129  101200       10085       10105        8.0        6.0        7.0
## 1130  101201       10085       10106        8.0        8.0        8.0
## 1131  101202       10085       10107        8.0        6.0        8.0
## 1132  101203       10085       10108        7.0       10.0        8.0
## 1133  101204       10085       10109        7.0        8.0        9.0
## 1134  101205       10085       10110        5.0        6.0        7.0
## 1135  101206       10086       10093        7.0        7.0        7.0
## 1136  101207       10086       10094        6.0        7.0        6.0
## 1137  101208       10086       10095        7.0        6.0        6.0
## 1138  101209       10086       10096        8.0        8.0        7.0
## 1139  101210       10086       10097       10.0       10.0       10.0
## 1140  101211       10086       10098        8.0        8.0        8.0
## 1141  101212       10086       10099        6.0        8.0        8.0
## 1142  101213       10086       10100        8.0        6.0        6.0
## 1143  101214       10086       10101        8.0        6.0        6.0
## 1144  101215       10086       10102        8.0        7.0        7.0
## 1145  101216       10086       10103        7.0        6.0        6.0
## 1146  101217       10086       10104        8.0        7.0        7.0
## 1147  101218       10086       10105        7.0        3.0        6.0
## 1148  101219       10086       10106        9.0        9.0        9.0
## 1149  101220       10086       10107        7.0        7.0        6.0
## 1150  101221       10086       10108        7.0       10.0        8.0
## 1151  101222       10086       10109        7.0        8.0        8.0
## 1152  101223       10086       10110        7.0        6.0        7.0
## 1153  101224       10087       10093        7.0        6.0        6.0
## 1154  101225       10087       10094        6.0        7.0        7.0
```

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## 1155   101226          10087          10095              7.0          7.0              7.0
## 1156   101227          10087          10096              6.0          7.0              6.0
## 1157   101228          10087          10097             10.0         10.0             10.0
## 1158   101229          10087          10098              6.0          7.0              5.0
## 1159   101230          10087          10099              7.0          8.0              9.0
## 1160   101231          10087          10100              8.0          8.0              8.0
## 1161   101232          10087          10101              5.0          5.0              6.0
## 1162   101233          10087          10102              7.0          6.0              7.0
## 1163   101234          10087          10103              6.0          6.0              6.0
## 1164   101235          10087          10104              7.0          8.0              8.0
## 1165   101236          10087          10105              8.0         10.0              8.0
## 1166   101237          10087          10106              9.0          9.0              9.0
## 1167   101238          10087          10107              8.0          9.0              7.0
## 1168   101239          10087          10108              7.0         10.0              7.0
## 1169   101240          10087          10109              6.0          8.0              8.0
## 1170   101241          10087          10110              6.0          6.0              7.0
## 1171   101242          10088          10093              5.0          5.0              5.0
## 1172   101243          10088          10094              3.0          5.0              6.0
## 1173   101244          10088          10095              6.0          7.0              7.0
## 1174   101245          10088          10096              8.0          8.0              7.0
## 1175   101246          10088          10097             10.0         10.0             10.0
## 1176   101247          10088          10098              9.0          8.0              8.0
## 1177   101248          10088          10099              9.0          8.0              8.0
## 1178   101249          10088          10100              8.0          9.0              9.0
## 1179   101250          10088          10101              3.0          7.0              7.0
## 1180   101251          10088          10102              8.0          7.0              8.0
## 1181   101252          10088          10103              7.0          7.0              7.0
## 1182   101253          10088          10104              7.0          8.0              9.0
## 1183   101254          10088          10105              8.0          8.0              8.0
## 1184   101255          10088          10106              8.0          7.0              9.0
## 1185   101256          10088          10107              6.0          5.0              7.0
## 1186   101257          10088          10108              8.0         10.0              8.0
## 1187   101258          10088          10109              5.0          7.0              8.0
## 1188   101259          10088          10110              7.0          7.0              6.0
## 1189   101260          10089          10093              5.0          6.0              9.0
## 1190   101261          10089          10094              3.0          8.0              5.0
## 1191   101262          10089          10095              6.0          8.0              7.0
## 1192   101263          10089          10096              3.0          7.0              8.0
## 1193   101264          10089          10097             10.0         10.0             10.0
## 1194   101265          10089          10098              6.0          8.0              8.0
## 1195   101266          10089          10099              8.0          7.0              7.0
## 1196   101267          10089          10100              6.0          9.0              9.0
## 1197   101268          10089          10101              3.0          7.0              7.0
## 1198   101269          10089          10102              6.0          7.0              8.0
## 1199   101270          10089          10103             10.0         10.0             10.0
## 1200   101271          10089          10104              6.0          7.0              7.0
## 1201   101272          10089          10105              6.0         10.0              8.0
## 1202   101273          10089          10106              7.0          8.0              8.0
## 1203   101274          10089          10107              6.0          8.0              7.0
## 1204   101275          10089          10108              7.0         10.0              8.0
## 1205   101276          10089          10109              5.0          6.0              8.0
## 1206   101277          10089          10110              3.0          8.0              5.0
## 1207   101278          10090          10093              9.0          8.0              8.0
## 1208   101279          10090          10094              7.0          7.0              8.0
```

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## 1209   101280          10090          10095          8.0        8.0          8.0
## 1210   101281          10090          10096          8.0        8.0          8.0
## 1211   101282          10090          10097         10.0       10.0         10.0
## 1212   101283          10090          10098          9.0        8.0          8.0
## 1213   101284          10090          10099          9.0        7.0          9.0
## 1214   101285          10090          10100          8.0        7.0          7.0
## 1215   101286          10090          10101          7.0        7.0          8.0
## 1216   101287          10090          10102          8.0        8.0          8.0
## 1217   101288          10090          10103          8.0        7.0          7.0
## 1218   101289          10090          10104          8.0        8.0         10.0
## 1219   101290          10090          10105         10.0       10.0         10.0
## 1220   101291          10090          10106          8.0        9.0          8.0
## 1221   101292          10090          10107          8.0        7.0          7.0
## 1222   101293          10090          10108         10.0       10.0          8.0
## 1223   101294          10090          10109          8.0        8.0          8.0
## 1224   101295          10090          10110          8.0        7.0          8.0
## 1225   101296          10091          10093          9.0        8.0          8.0
## 1226   101297          10091          10094          6.0        6.0          7.0
## 1227   101298          10091          10095          7.0        7.0          7.0
## 1228   101299          10091          10096          8.0        7.0          8.0
## 1229   101300          10091          10097         10.0       10.0         10.0
## 1230   101301          10091          10098          6.0        7.0          8.0
## 1231   101302          10091          10099          9.0        8.0          8.0
## 1232   101303          10091          10100          9.0        8.0          8.0
## 1233   101304          10091          10101          7.0        8.0          8.0
## 1234   101305          10091          10102          6.0        6.0          6.0
## 1235   101306          10091          10103          9.0        8.0          6.0
## 1236   101307          10091          10104          8.0        7.0          8.0
## 1237   101308          10091          10105          6.0       10.0          4.0
## 1238   101309          10091          10106          9.0        9.0          9.0
## 1239   101310          10091          10107          8.0        7.0          6.0
## 1240   101311          10091          10108          9.0       10.0          8.0
## 1241   101312          10091          10109          9.0        7.0          8.0
## 1242   101313          10091          10110          7.0        6.0          6.0
## 1243   101314          10092          10093          7.0        9.0          9.0
## 1244   101315          10092          10094          5.0        7.0          7.0
## 1245   101316          10092          10095          7.0        8.0          8.0
## 1246   101317          10092          10096          8.0        8.0          8.0
## 1247   101318          10092          10097         10.0       10.0         10.0
## 1248   101319          10092          10098          5.0        5.0          7.0
## 1249   101320          10092          10099          8.0        9.0         10.0
## 1250   101321          10092          10100          9.0        8.0          8.0
## 1251   101322          10092          10101          7.0        7.0          7.0
## 1252   101323          10092          10102          6.0        7.0          7.0
## 1253   101324          10092          10103          7.0        8.0          6.0
## 1254   101325          10092          10104          8.0        7.0          8.0
## 1255   101326          10092          10105          9.0       10.0         10.0
## 1256   101327          10092          10106          7.5        8.5          9.0
## 1257   101328          10092          10107          8.0        8.0          7.0
## 1258   101329          10092          10108          7.0       10.0          8.0
## 1259   101330          10092          10109          5.0        7.0          8.0
## 1260   101331          10092          10110          5.0        7.0          7.0
## 1261   101332          10093          10075          5.0        5.0          5.0
## 1262   101333          10093          10076          4.0        7.0          8.0
```

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## 1263   101334          10093          10077          4.0          2.0          9.0
## 1264   101335          10093          10078          5.0          6.0          7.0
## 1265   101336          10093          10079          1.0          7.0          8.0
## 1266   101337          10093          10080          2.0         10.0         10.0
## 1267   101338          10093          10081          7.0          7.0         10.0
## 1268   101339          10093          10082          4.0          6.0          7.0
## 1269   101340          10093          10083          1.0          5.0          0.0
## 1270   101341          10093          10084          4.0          1.0          4.0
## 1271   101342          10093          10085          5.0          7.0          8.0
## 1272   101343          10093          10086          2.0          3.0          2.0
## 1273   101344          10093          10087          1.0          2.0         10.0
## 1274   101345          10093          10088          6.0          9.0          8.0
## 1275   101346          10093          10089          0.0          5.0          5.0
## 1276   101347          10093          10090          5.0          7.0          7.0
## 1277   101348          10093          10091          4.0          3.0          9.0
## 1278   101349          10093          10092          6.0          6.0          7.0
## 1279   101350          10094          10075          4.0          5.0          5.0
## 1280   101351          10094          10076          4.0          6.0          6.0
## 1281   101352          10094          10077          2.0          4.0          9.0
## 1282   101353          10094          10078          5.0          6.0          6.0
## 1283   101354          10094          10079          7.0          9.0          9.0
## 1284   101355          10094          10080          3.0          7.0          7.0
## 1285   101356          10094          10081          4.0          8.0          7.0
## 1286   101357          10094          10082          5.0          6.0          8.0
## 1287   101358          10094          10083          5.0          8.0          7.0
## 1288   101359          10094          10084          5.0          6.0          7.0
## 1289   101360          10094          10085          6.0          8.0          6.0
## 1290   101361          10094          10086          2.0          2.0          2.0
## 1291   101362          10094          10087          2.0         10.0         10.0
## 1292   101363          10094          10088          6.0          9.0          8.0
## 1293   101364          10094          10089          8.0          8.0          7.0
## 1294   101365          10094          10090          5.0          6.0          6.0
## 1295   101366          10094          10091          4.0          8.0          9.0
## 1296   101367          10094          10092          7.0          8.0          7.0
## 1297   101368          10095          10075          2.0         10.0          4.0
## 1298   101369          10095          10076          4.0          6.0          7.0
## 1299   101370          10095          10077          2.0          5.0          9.0
## 1300   101371          10095          10078          7.0          7.0          7.0
## 1301   101372          10095          10079          6.0          7.0          8.0
## 1302   101373          10095          10080          2.0          6.0          8.0
## 1303   101374          10095          10081          5.0         10.0          8.0
## 1304   101375          10095          10082          4.0          8.0          8.0
## 1305   101376          10095          10083          5.0          8.0          8.0
## 1306   101377          10095          10084          5.0          5.0          6.0
## 1307   101378          10095          10085          6.0          7.0          7.0
## 1308   101379          10095          10086          3.0          6.0          6.0
## 1309   101380          10095          10087          3.0          7.0          9.0
## 1310   101381          10095          10088          6.0         10.0          9.0
## 1311   101382          10095          10089          5.0          5.0          6.0
## 1312   101383          10095          10090          4.0          6.0          6.0
## 1313   101384          10095          10091          3.0          9.0         10.0
## 1314   101385          10095          10092          7.0          7.0          7.0
## 1315   101386          10096          10075         10.0          8.0         10.0
## 1316   101387          10096          10076          6.0          5.0          6.0
```

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## 1317   101388          10096         10077          9.0          5.0          9.0
## 1318   101389          10096         10078          7.0          7.0          7.0
## 1319   101390          10096         10079          8.0          8.0          8.0
## 1320   101391          10096         10080          8.0          8.0          9.0
## 1321   101392          10096         10081          8.0          9.0         10.0
## 1322   101393          10096         10082          8.0          6.0          7.0
## 1323   101394          10096         10083          4.0          6.0          7.0
## 1324   101395          10096         10084          7.0          8.0          7.0
## 1325   101396          10096         10085          7.0          7.0          7.0
## 1326   101397          10096         10086          3.0          4.0          6.0
## 1327   101398          10096         10087          6.0          7.0         10.0
## 1328   101399          10096         10088          7.0          9.0          9.0
## 1329   101400          10096         10089          7.0          6.0          8.0
## 1330   101401          10096         10090          6.0          7.0          8.0
## 1331   101402          10096         10091         10.0         10.0         10.0
## 1332   101403          10096         10092          8.0          7.0          8.0
## 1333   101404          10097         10075          2.0         10.0          5.0
## 1334   101405          10097         10076          8.0          9.0          9.0
## 1335   101406          10097         10077          7.0          9.0          9.0
## 1336   101407          10097         10078          2.0          2.0          2.0
## 1337   101408          10097         10079          6.0          7.0          7.0
## 1338   101409          10097         10080          7.0          6.0          6.0
## 1339   101410          10097         10081          7.0         10.0          7.0
## 1340   101411          10097         10082          5.0          6.0          7.0
## 1341   101412          10097         10083          5.0          8.0          5.0
## 1342   101413          10097         10084          8.0          8.0          8.0
## 1343   101414          10097         10085          7.0          8.0          7.0
## 1344   101415          10097         10086          2.0          8.0          8.0
## 1345   101416          10097         10087          3.0         10.0         10.0
## 1346   101417          10097         10088          6.0          9.0          7.0
## 1347   101418          10097         10089          6.0          6.0          6.0
## 1348   101419          10097         10090          6.0          9.0          8.0
## 1349   101420          10097         10091          8.0          7.0          8.0
## 1350   101421          10097         10092          6.0          6.0          6.0
## 1351   101422          10098         10075          6.0          8.0          8.0
## 1352   101423          10098         10076         10.0          7.0          8.0
## 1353   101424          10098         10077          7.0          9.0          9.0
## 1354   101425          10098         10078          7.0          7.0          7.0
## 1355   101426          10098         10079          8.0          8.0          8.0
## 1356   101427          10098         10080          8.0          8.0          8.0
## 1357   101428          10098         10081          8.0          8.0         10.0
## 1358   101429          10098         10082          8.0          7.0          8.0
## 1359   101430          10098         10083          7.0          5.0          6.0
## 1360   101431          10098         10084          8.0          7.0          7.0
## 1361   101432          10098         10085          7.0          6.0          6.0
## 1362   101433          10098         10086          8.0          8.0          7.0
## 1363   101434          10098         10087          8.0         10.0         10.0
## 1364   101435          10098         10088          9.0          9.0          9.0
## 1365   101436          10098         10089          7.0          8.0          7.0
## 1366   101437          10098         10090          8.0          7.0          8.0
## 1367   101438          10098         10091         10.0         10.0          9.0
## 1368   101439          10098         10092          7.0          6.0          7.0
## 1369   101440          10099         10075          1.0         10.0          7.0
## 1370   101441          10099         10076          4.0          6.0          6.0
```

```
## 1371   101442        10099       10077        2.0        9.0           9.0
## 1372   101443        10099       10078        4.0        6.0           6.0
## 1373   101444        10099       10079        6.0        8.0           8.0
## 1374   101445        10099       10080        3.0        8.0           8.0
## 1375   101446        10099       10081        5.0       10.0          10.0
## 1376   101447        10099       10082        4.0        8.0           7.0
## 1377   101448        10099       10083        2.0        5.0           7.0
## 1378   101449        10099       10084        5.0        8.0           8.0
## 1379   101450        10099       10085        7.0        6.0           6.0
## 1380   101451        10099       10086        3.0       10.0           9.0
## 1381   101452        10099       10087        4.0       10.0          10.0
## 1382   101453        10099       10088        8.0        9.0          10.0
## 1383   101454        10099       10089        5.0        8.0           8.0
## 1384   101455        10099       10090        6.0        7.0           8.0
## 1385   101456        10099       10091        6.0        8.0           9.0
## 1386   101457        10099       10092        7.0        7.0           7.0
## 1387   101458        10100       10075        1.0       10.0           5.0
## 1388   101459        10100       10076        3.0        5.0           6.0
## 1389   101460        10100       10077        2.0        9.0           9.0
## 1390   101461        10100       10078        4.0        6.0           6.0
## 1391   101462        10100       10079        6.0        8.0           7.0
## 1392   101463        10100       10080        3.0        8.0           9.0
## 1393   101464        10100       10081        5.0       10.0          10.0
## 1394   101465        10100       10082        5.0        8.0           8.0
## 1395   101466        10100       10083        3.0        7.0           7.0
## 1396   101467        10100       10084        4.0        7.0           9.0
## 1397   101468        10100       10085        6.0        7.0           7.0
## 1398   101469        10100       10086        1.0        3.0           4.0
## 1399   101470        10100       10087        3.0       10.0          10.0
## 1400   101471        10100       10088        5.0        9.0           8.0
## 1401   101472        10100       10089        4.0        8.0           8.0
## 1402   101473        10100       10090        4.0        7.0           8.0
## 1403   101474        10100       10091        6.0        9.0          10.0
## 1404   101475        10100       10092        7.0        6.0           7.0
## 1405   101476        10101       10075        1.0        7.0           8.0
## 1406   101477        10101       10076        6.0        7.0           6.0
## 1407   101478        10101       10077        3.0        8.0           8.0
## 1408   101479        10101       10078        2.0        2.0           2.0
## 1409   101480        10101       10079        8.0        8.0           8.0
## 1410   101481        10101       10080        2.0        8.0          10.0
## 1411   101482        10101       10081        4.0       10.0           9.0
## 1412   101483        10101       10082        5.0        7.0           8.0
## 1413   101484        10101       10083        4.0        5.0           6.0
## 1414   101485        10101       10084        5.0        8.0           8.0
## 1415   101486        10101       10085        5.0        8.0           6.0
## 1416   101487        10101       10086        2.0        3.0           4.0
## 1417   101488        10101       10087        2.0       10.0          10.0
## 1418   101489        10101       10088        6.0       10.0           9.0
## 1419   101490        10101       10089        5.0        7.0           6.0
## 1420   101491        10101       10090        4.0        6.0           7.0
## 1421   101492        10101       10091        4.0        8.0           9.0
## 1422   101493        10101       10092        6.0        7.0           7.0
## 1423   101494        10102       10075        6.0        7.0           5.0
## 1424   101495        10102       10076        9.0        7.0           7.0
```

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## 1425   101496          10102          10077          5.0          9.0          9.0
## 1426   101497          10102          10078          5.0          5.0          5.0
## 1427   101498          10102          10079          7.0          8.0          8.0
## 1428   101499          10102          10080          4.0          9.0          8.0
## 1429   101500          10102          10081          6.0          8.0          8.0
## 1430   101501          10102          10082          7.0          8.0          8.0
## 1431   101502          10102          10083          5.0          5.0          5.0
## 1432   101503          10102          10084          8.0          7.0          7.0
## 1433   101504          10102          10085          7.0          6.0          6.0
## 1434   101505          10102          10086          3.0          5.0          6.0
## 1435   101506          10102          10087          6.0          7.0          7.0
## 1436   101507          10102          10088          8.0          9.0          8.0
## 1437   101508          10102          10089          4.0          8.0          5.0
## 1438   101509          10102          10090          7.0          7.0          8.0
## 1439   101510          10102          10091          8.0          7.0          8.0
## 1440   101511          10102          10092          7.0          7.0          7.0
## 1441   101512          10103          10075          2.0          3.0          5.0
## 1442   101513          10103          10076          6.0          6.0          5.0
## 1443   101514          10103          10077          9.0          5.0          9.0
## 1444   101515          10103          10078          6.0          6.0          7.0
## 1445   101516          10103          10079          8.0          8.0          8.0
## 1446   101517          10103          10080          6.0          8.0          8.0
## 1447   101518          10103          10081          8.0          9.0          9.0
## 1448   101519          10103          10082          7.0          8.0          8.0
## 1449   101520          10103          10083          6.0          2.0          5.0
## 1450   101521          10103          10084          7.0          7.0          8.0
## 1451   101522          10103          10085          9.0          8.0          7.0
## 1452   101523          10103          10086          2.0          3.0          4.0
## 1453   101524          10103          10087          6.0          9.0         10.0
## 1454   101525          10103          10088          9.0          9.0          9.0
## 1455   101526          10103          10089         10.0         10.0         10.0
## 1456   101527          10103          10090          7.0          7.0          7.0
## 1457   101528          10103          10091          8.0          8.0          8.0
## 1458   101529          10103          10092          8.0          8.0          7.0
## 1459   101530          10104          10075          5.0          7.0          8.0
## 1460   101531          10104          10076          7.0          7.0          8.0
## 1461   101532          10104          10077          7.0          9.0          9.0
## 1462   101533          10104          10078          6.0          6.0          6.0
## 1463   101534          10104          10079          8.0          8.0          9.0
## 1464   101535          10104          10080          9.0          9.0          9.0
## 1465   101536          10104          10081          7.0          9.0          9.0
## 1466   101537          10104          10082          5.0         10.0          8.0
## 1467   101538          10104          10083          5.0          5.0          7.0
## 1468   101539          10104          10084          8.0          8.0          8.0
## 1469   101540          10104          10085          7.0          8.0          8.0
## 1470   101541          10104          10086          1.0          6.0          7.0
## 1471   101542          10104          10087          6.0          9.0         10.0
## 1472   101543          10104          10088          6.0          9.0          9.0
## 1473   101544          10104          10089          5.0          7.0          6.0
## 1474   101545          10104          10090          7.0         10.0         10.0
## 1475   101546          10104          10091          7.0          8.0          9.0
## 1476   101547          10104          10092          7.0          7.0          7.0
## 1477   101548          10105          10075          4.0          8.0          8.0
## 1478   101549          10105          10076          5.0          6.0          7.0
```

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## 1479   101550          10105        10077          5.0         9.0           9.0
## 1480   101551          10105        10078          5.0         5.0           5.0
## 1481   101552          10105        10079          7.0         9.0           8.0
## 1482   101553          10105        10080          4.0         9.0           8.0
## 1483   101554          10105        10081          5.0        10.0           9.0
## 1484   101555          10105        10082          5.0         8.0           8.0
## 1485   101556          10105        10083          4.0         6.0           8.0
## 1486   101557          10105        10084          6.0         8.0           7.0
## 1487   101558          10105        10085          5.0         7.0           7.0
## 1488   101559          10105        10086          2.0         4.0           5.0
## 1489   101560          10105        10087          2.0        10.0          10.0
## 1490   101561          10105        10088          8.0        10.0          10.0
## 1491   101562          10105        10089          6.0         7.0           7.0
## 1492   101563          10105        10090          5.0         7.0           8.0
## 1493   101564          10105        10091          7.0         8.0           8.0
## 1494   101565          10105        10092          7.0         7.0           7.0
## 1495   101566          10106        10075          8.0         6.0           7.0
## 1496   101567          10106        10076          9.0         9.0           9.0
## 1497   101568          10106        10077          9.0         9.0           9.0
## 1498   101569          10106        10078          5.0         7.0           7.0
## 1499   101570          10106        10079          6.0         9.0           8.0
## 1500   101571          10106        10080          2.0         7.0           6.0
## 1501   101572          10106        10081          7.0        10.0           9.0
## 1502   101573          10106        10082          8.0         8.0           8.0
## 1503   101574          10106        10083          4.0         8.0           8.0
## 1504   101575          10106        10084          7.0         6.0           6.0
## 1505   101576          10106        10085         10.0         7.0           7.0
## 1506   101577          10106        10086          8.0        10.0           8.0
## 1507   101578          10106        10087          3.0        10.0          10.0
## 1508   101579          10106        10088          9.0         9.0          10.0
## 1509   101580          10106        10089          6.0         7.0           8.0
## 1510   101581          10106        10090          8.0         7.0           8.0
## 1511   101582          10106        10091          8.0         9.0           9.0
## 1512   101583          10106        10092          7.0         7.0           7.0
## 1513   101584          10107        10075          5.0         5.0           5.0
## 1514   101585          10107        10076          9.0         7.0           7.0
## 1515   101586          10107        10077          7.0         4.0           7.0
## 1516   101587          10107        10078          6.0         6.0           6.0
## 1517   101588          10107        10079          8.0         8.0           8.0
## 1518   101589          10107        10080          7.0         7.0           7.0
## 1519   101590          10107        10081          7.0        10.0          10.0
## 1520   101591          10107        10082          5.0         7.0           9.0
## 1521   101592          10107        10083          4.0         0.0           8.0
## 1522   101593          10107        10084          6.0         6.0           6.0
## 1523   101594          10107        10085         10.0         8.0           6.0
## 1524   101595          10107        10086          7.0         9.0           7.0
## 1525   101596          10107        10087          8.0        10.0          10.0
## 1526   101597          10107        10088          9.0         9.0           8.0
## 1527   101598          10107        10089          7.0         7.0           6.0
## 1528   101599          10107        10090          9.0         7.0           8.0
## 1529   101600          10107        10091          8.0         9.0          10.0
## 1530   101601          10107        10092          7.0         7.0           7.0
## 1531   101602          10108        10075          5.0         5.0           6.0
## 1532   101603          10108        10076          6.0         7.0           7.0
```

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## 1533   101604          10108          10077          7.0         10.0           10.0
## 1534   101605          10108          10078          5.0          5.0            5.0
## 1535   101606          10108          10079          8.0          8.0            8.0
## 1536   101607          10108          10080          6.0          9.0            8.0
## 1537   101608          10108          10081          6.0         10.0           10.0
## 1538   101609          10108          10082          4.0          8.0            8.0
## 1539   101610          10108          10083          5.0          5.0            9.0
## 1540   101611          10108          10084          6.0          8.0            7.0
## 1541   101612          10108          10085          6.0          7.0            7.0
## 1542   101613          10108          10086          2.0          4.0            7.0
## 1543   101614          10108          10087          5.0         10.0           10.0
## 1544   101615          10108          10088          8.0         10.0           10.0
## 1545   101616          10108          10089          6.0          7.0            7.0
## 1546   101617          10108          10090          6.0          7.0            8.0
## 1547   101618          10108          10091          7.0          9.0            9.0
## 1548   101619          10108          10092          7.0          7.0            7.0
## 1549   101620          10109          10075          5.0          5.0            6.0
## 1550   101621          10109          10076          8.0          9.0            8.0
## 1551   101622          10109          10077          2.0          2.0            5.0
## 1552   101623          10109          10078          4.0          4.0            4.0
## 1553   101624          10109          10079          6.0          7.0            8.0
## 1554   101625          10109          10080          6.0          6.0            7.0
## 1555   101626          10109          10081          7.0          8.0            8.0
## 1556   101627          10109          10082          4.0          7.0            8.0
## 1557   101628          10109          10083          4.0          4.0            5.0
## 1558   101629          10109          10084          5.0          5.0            5.0
## 1559   101630          10109          10085          8.0          7.0            7.0
## 1560   101631          10109          10086          4.0          3.0            6.0
## 1561   101632          10109          10087          4.0         10.0           10.0
## 1562   101633          10109          10088          7.0         10.0           10.0
## 1563   101634          10109          10089          6.0          6.0            6.0
## 1564   101635          10109          10090          6.0          7.0            8.0
## 1565   101636          10109          10091          6.0          9.0            9.0
## 1566   101637          10109          10092          7.0          7.0            7.0
## 1567   101638          10110          10075          2.0          8.0            8.0
## 1568   101639          10110          10076          4.0          6.0            7.0
## 1569   101640          10110          10077          5.0          5.0            9.0
## 1570   101641          10110          10078          6.0          6.0            6.0
## 1571   101642          10110          10079          7.0          9.0            8.0
## 1572   101643          10110          10080          4.0          9.0            9.0
## 1573   101644          10110          10081          6.0         10.0            9.0
## 1574   101645          10110          10082          4.0          8.0            6.0
## 1575   101646          10110          10083          3.0          5.0            5.0
## 1576   101647          10110          10084          6.0          4.0            6.0
## 1577   101648          10110          10085          4.0          5.0            5.0
## 1578   101649          10110          10086          2.0          4.0            7.0
## 1579   101650          10110          10087          2.0         10.0           10.0
## 1580   101651          10110          10088          7.0         10.0           10.0
## 1581   101652          10110          10089          6.0          9.0            7.0
## 1582   101653          10110          10090          5.0          8.0            8.0
## 1583   101654          10110          10091          6.0          7.0            8.0
## 1584   101655          10110          10092          7.0          7.0            7.0
## 1585   101656          10111          10120          9.0          9.0            9.0
## 1586   101657          10111          10121          9.0          7.0            7.0
```

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## 1587   101658          10111     10122          6.0          7.0          7.0
## 1588   101659          10111     10123          9.0          8.0          9.0
## 1589   101660          10111     10124          7.0          8.0          7.0
## 1590   101661          10111     10125         10.0          7.0          9.0
## 1591   101662          10111     10126         10.0          9.0          8.0
## 1592   101665          10111     10129          5.0          5.0          5.0
## 1593   101666          10112     10120         10.0         10.0         10.0
## 1594   101667          10112     10121          6.0          5.0          5.0
## 1595   101668          10112     10122          7.0          6.0          7.0
## 1596   101669          10112     10123          8.0          8.0          7.0
## 1597   101670          10112     10124          6.0          8.0          9.0
## 1598   101671          10112     10125          5.0          5.0          5.0
## 1599   101672          10112     10126          7.0          9.0          9.0
## 1600   101675          10112     10129          5.0          5.0          5.0
## 1601   101676          10113     10120          6.0         10.0          7.0
## 1602   101677          10113     10121          4.0          6.0          6.0
## 1603   101678          10113     10122          5.0          6.0          8.0
## 1604   101679          10113     10123          5.0          8.0          8.0
## 1605   101680          10113     10124          6.0          7.0          7.0
## 1606   101681          10113     10125          5.0          7.0          7.0
## 1607   101682          10113     10126          7.0          9.0          9.0
## 1608   101685          10113     10129          5.0          5.0          5.0
## 1609   101686          10114     10120         10.0         10.0         10.0
## 1610   101687          10114     10121          4.0          5.0          4.0
## 1611   101688          10114     10122          6.0          2.0          4.0
## 1612   101689          10114     10123         10.0         10.0          9.0
## 1613   101690          10114     10124          5.0          7.0          6.0
## 1614   101691          10114     10125          7.0          3.0          7.0
## 1615   101692          10114     10126          9.0          7.0          6.0
## 1617   101696          10115     10120         10.0         10.0         10.0
## 1618   101697          10115     10121          6.0          5.0          5.0
## 1619   101698          10115     10122          5.0          4.0          3.0
## 1620   101699          10115     10123         10.0         10.0         10.0
## 1621   101700          10115     10124          7.0          6.0          8.0
## 1622   101701          10115     10125          7.0          7.0          7.0
## 1623   101702          10115     10126          7.0          7.0          7.0
## 1624   101705          10115     10129          5.0          5.0          5.0
## 1625   101706          10116     10120         10.0         10.0         10.0
## 1626   101707          10116     10121          6.0          6.0          5.0
## 1627   101708          10116     10122          8.0          7.0          6.0
## 1628   101709          10116     10123         10.0          5.0          6.0
## 1629   101710          10116     10124          7.0          7.0          7.0
## 1630   101711          10116     10125          7.0          7.0          8.0
## 1631   101712          10116     10126          8.0          8.0          9.0
## 1633   101716          10117     10120          9.0          9.0          8.0
## 1634   101717          10117     10121          6.0          4.0          5.0
## 1635   101718          10117     10122          9.0          8.0          4.0
## 1636   101719          10117     10123          8.0          8.0          6.0
## 1637   101720          10117     10124          6.0          9.0          8.0
## 1638   101721          10117     10125          9.0          8.0          8.0
## 1639   101722          10117     10126          9.0          8.0          9.0
## 1640   101725          10117     10129          6.0          6.0          6.0
## 1641   101726          10118     10120          6.0          7.0          7.0
## 1642   101727          10118     10121          9.0          6.0          8.0
```

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## 1643   101728        10118       10122          7.0        5.0          6.0
## 1644   101729        10118       10123          9.0        8.0          7.0
## 1645   101730        10118       10124          7.0        7.0          7.0
## 1646   101731        10118       10125          8.0        5.0          7.0
## 1647   101732        10118       10126          8.0        8.0         10.0
## 1648   101735        10118       10129          6.0        6.0          7.0
## 1649   101736        10119       10120          6.0        9.0          8.0
## 1650   101737        10119       10121          5.0        4.0          5.0
## 1651   101738        10119       10122          2.0        7.0          9.0
## 1652   101739        10119       10123          4.0        6.0          6.0
## 1653   101740        10119       10124          4.0        8.0          7.0
## 1654   101741        10119       10125          5.0        8.0          7.0
## 1655   101742        10119       10126          6.0        9.0          7.0
## 1656   101745        10119       10129          7.0        5.0         10.0
## 1657   101746        10120       10111          7.0        7.0          7.0
## 1658   101747        10120       10112          8.0       10.0          9.0
## 1659   101748        10120       10113          7.0        6.0          6.0
## 1660   101749        10120       10114         10.0       10.0         10.0
## 1661   101750        10120       10115         10.0       10.0         10.0
## 1662   101751        10120       10116         10.0       10.0         10.0
## 1663   101752        10120       10117          3.0        8.0          5.0
## 1664   101753        10120       10118          7.0        8.0          7.0
## 1665   101754        10120       10119          8.0       10.0         10.0
## 1666   101756        10121       10111          4.0        8.0          7.0
## 1667   101757        10121       10112          5.0        9.0          6.0
## 1668   101758        10121       10113          8.0        7.0          6.0
## 1669   101759        10121       10114          6.0       10.0         10.0
## 1670   101760        10121       10115          7.0       10.0          8.0
## 1671   101761        10121       10116          7.0       10.0          8.0
## 1672   101762        10121       10117          6.0        6.0          7.0
## 1673   101763        10121       10118          5.0        8.0          6.0
## 1674   101764        10121       10119          9.0       10.0          7.0
## 1675   101766        10122       10111          5.0        1.0          6.0
## 1676   101767        10122       10112          5.0        9.0          8.0
## 1677   101768        10122       10113          4.0        3.0          4.0
## 1678   101769        10122       10114          2.0       10.0         10.0
## 1679   101770        10122       10115          4.0        4.0          8.0
## 1680   101771        10122       10116          4.0        8.0          7.0
## 1681   101772        10122       10117          4.0        9.0          8.0
## 1682   101773        10122       10118          2.0        1.0          4.0
## 1683   101774        10122       10119          4.0        6.0          7.0
## 1684   101776        10123       10111          7.0        7.0          8.0
## 1685   101777        10123       10112         10.0        9.0         10.0
## 1686   101778        10123       10113          7.0        5.0          5.0
## 1687   101779        10123       10114         10.0       10.0         10.0
## 1688   101780        10123       10115         10.0        8.0          8.0
## 1689   101781        10123       10116         10.0       10.0         10.0
## 1690   101782        10123       10117          6.0        8.0          8.0
## 1691   101783        10123       10118          6.0        8.0          8.0
## 1692   101784        10123       10119          6.0       10.0         10.0
## 1693   101786        10124       10111          5.0        7.0          9.0
## 1694   101787        10124       10112          6.0        9.0          8.0
## 1695   101788        10124       10113          5.0        6.0          5.0
## 1696   101789        10124       10114          6.0       10.0         10.0
```

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## 1697  101790      10124      10115       6.0       9.0        10.0
## 1698  101791      10124      10116       6.0      10.0         9.0
## 1699  101792      10124      10117       5.0       4.0         8.0
## 1700  101793      10124      10118       8.0      10.0         8.0
## 1701  101794      10124      10119       8.0       7.0        10.0
## 1702  101796      10125      10111      10.0       6.0         7.0
## 1703  101797      10125      10112       9.0       9.0         8.0
## 1704  101798      10125      10113       2.0       3.0         2.0
## 1705  101799      10125      10114       8.0       5.0         9.0
## 1706  101800      10125      10115       8.0       6.0         6.0
## 1707  101801      10125      10116       8.0       6.0         7.0
## 1708  101802      10125      10117       8.0      10.0         9.0
## 1709  101803      10125      10118       9.0       4.0         5.0
## 1710  101804      10125      10119       4.0       4.0         2.0
## 1711  101806      10126      10111       9.0      10.0         8.0
## 1712  101807      10126      10112       6.0      10.0         9.0
## 1713  101808      10126      10113       8.0       6.0         7.0
## 1714  101809      10126      10114       9.0      10.0         9.0
## 1715  101810      10126      10115       7.0       8.0         8.0
## 1716  101811      10126      10116       7.0       8.0         6.0
## 1717  101812      10126      10117       5.0       7.0         7.0
## 1718  101813      10126      10118       8.0       7.0         8.0
## 1719  101814      10126      10119       9.0      10.0        10.0
## 1720  101836      10129      10111       2.0       7.0         6.0
## 1721  101837      10129      10112       4.0       9.0         8.0
## 1722  101838      10129      10113       5.0       6.0         4.0
## 1724  101840      10129      10115       4.0       8.0         7.0
## 1726  101842      10129      10117       2.0       7.0         6.0
## 1727  101843      10129      10118       7.0       8.0         6.0
## 1728  101844      10129      10119       7.0      10.0        10.0
## 1729  101846      10130      10135       8.0       8.0         9.0
## 1730  101847      10130      10136       8.0       7.0         4.0
## 1731  101848      10130      10137       8.0       7.0         8.0
## 1732  101849      10130      10138       7.0       7.0         7.0
## 1733  101850      10130      10139       8.0       7.0         7.0
## 1734  101851      10131      10135       6.0      10.0        10.0
## 1735  101852      10131      10136       3.0       8.0         8.0
## 1736  101853      10131      10137       6.0       8.0        10.0
## 1737  101854      10131      10138       5.0       9.0         8.0
## 1738  101855      10131      10139       6.0      10.0         9.0
## 1739  101856      10132      10135       9.0       9.0         9.0
## 1740  101857      10132      10136       3.0       8.0         8.0
## 1741  101858      10132      10137       7.0       9.0         9.0
## 1742  101859      10132      10138       6.5       8.0         7.5
## 1743  101860      10132      10139       7.0       8.0         8.0
## 1744  101861      10133      10135       7.0       8.0         8.0
## 1745  101862      10133      10136       4.0       6.0         6.0
## 1746  101863      10133      10137       6.0       7.0         7.0
## 1747  101864      10133      10138       6.5       8.0         8.0
## 1748  101865      10133      10139       8.0       9.0         8.0
## 1749  101871      10135      10130       7.0       9.0         7.0
## 1750  101872      10135      10131       7.0       7.0         7.0
## 1751  101873      10135      10132       8.0       9.0         7.0
## 1752  101874      10135      10133       8.0       5.0         7.0
```

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## 1753   101876      10136      10130       8.0       8.0       8.0
## 1754   101877      10136      10131       7.0       6.0       8.0
## 1755   101878      10136      10132       7.0       8.0       9.0
## 1756   101879      10136      10133       8.0       8.0       8.0
## 1757   101881      10137      10130       5.0       7.0       9.0
## 1758   101882      10137      10131       6.0       5.0       5.0
## 1759   101883      10137      10132       7.0       7.0       8.0
## 1760   101884      10137      10133       7.0       8.0       7.0
## 1761   101886      10138      10130       8.0       9.0       9.0
## 1762   101887      10138      10131       8.0       7.0       7.0
## 1763   101888      10138      10132       8.0       9.0       9.0
## 1764   101889      10138      10133       8.0       8.0       8.0
## 1765   101891      10139      10130       5.0       8.0       8.0
## 1766   101892      10139      10131       5.0       6.0       5.0
## 1767   101893      10139      10132       6.0       5.0       6.0
## 1768   101894      10139      10133       7.0       7.0       7.0
## 1769   101896      10140      10156      10.0       8.0       8.0
## 1770   101897      10140      10157       7.0       7.0       7.0
## 1771   101898      10140      10158       6.0       9.0       8.0
## 1772   101899      10140      10159       8.0       7.0       8.0
## 1773   101900      10140      10160       6.0       7.0       7.0
## 1774   101901      10140      10161       7.0       7.0       7.0
## 1775   101902      10140      10162       8.0       7.0       9.0
## 1776   101903      10140      10163       8.0       8.0       9.0
## 1777   101904      10140      10164       4.0       4.0       8.0
## 1778   101905      10140      10165       7.0       6.0       7.0
## 1779   101906      10140      10166       8.0       8.0       7.0
## 1780   101907      10140      10167       8.0       8.0       9.0
## 1781   101908      10140      10168       7.0       7.0       7.0
## 1782   101909      10140      10169       7.0       8.0       9.0
## 1783   101910      10140      10170       8.0       7.0       6.0
## 1784   101911      10140      10171       8.0       7.0       7.0
## 1785   101912      10141      10156       6.0       8.0       9.0
## 1786   101913      10141      10157       5.0       7.0       7.0
## 1787   101914      10141      10158       4.0       9.0       7.0
## 1788   101915      10141      10159       5.0      10.0       8.0
## 1789   101916      10141      10160       3.0       6.0       6.0
## 1790   101917      10141      10161       5.0       8.0       7.0
## 1791   101918      10141      10162       4.0       9.0       9.0
## 1792   101919      10141      10163       6.0       9.0       9.0
## 1793   101920      10141      10164       3.0       7.0       7.0
## 1794   101921      10141      10165       3.0       7.0       6.0
## 1795   101922      10141      10166       5.0       5.0       5.0
## 1796   101923      10141      10167       7.0       9.0       9.0
## 1797   101924      10141      10168       5.0       7.0       7.0
## 1798   101925      10141      10169       5.0       8.0       9.0
## 1799   101926      10141      10170       6.0       8.0       9.0
## 1800   101927      10141      10171       4.0       6.0       5.0
## 1801   101928      10142      10156       9.0       9.0       9.0
## 1802   101929      10142      10157       8.0       8.0       8.0
## 1803   101930      10142      10158       6.0       8.0       9.0
## 1804   101931      10142      10159       6.0       8.0      10.0
## 1805   101932      10142      10160       8.0       7.0       7.0
## 1806   101933      10142      10161       8.0       8.0       8.0
```

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## 1807   101934        10142       10162         7.0        7.0          9.0
## 1808   101935        10142       10163         7.0        8.0         10.0
## 1809   101936        10142       10164         7.0        7.0          9.0
## 1810   101937        10142       10165         4.0        6.0          5.0
## 1811   101938        10142       10166         8.0        8.0          8.0
## 1812   101939        10142       10167         8.0        7.0          8.0
## 1813   101940        10142       10168         6.0        7.0          7.0
## 1814   101941        10142       10169         8.0        9.0          9.0
## 1815   101942        10142       10170         4.0        7.0          8.0
## 1816   101943        10142       10171         5.0        7.0          6.0
## 1817   101944        10143       10156         9.0        8.0          9.0
## 1818   101945        10143       10157         8.0        8.0          8.0
## 1819   101946        10143       10158         4.0        8.0          9.0
## 1820   101947        10143       10159         6.0        8.0         10.0
## 1821   101948        10143       10160         5.0        6.0          7.0
## 1822   101949        10143       10161         6.0        7.0          6.0
## 1823   101950        10143       10162         4.0        8.0          9.0
## 1824   101951        10143       10163         6.0        8.0          9.0
## 1825   101952        10143       10164         5.0        7.0          7.0
## 1826   101953        10143       10165         2.0        6.0          6.0
## 1827   101954        10143       10166         7.0        7.0          7.0
## 1828   101955        10143       10167         7.0        9.0          9.0
## 1829   101956        10143       10168         6.0        7.0          6.0
## 1830   101957        10143       10169         6.0        8.0          9.0
## 1831   101958        10143       10170         2.0        7.0          9.0
## 1832   101959        10143       10171         4.0        6.0          6.0
## 1833   101960        10144       10156         8.0        9.0          8.0
## 1834   101961        10144       10157         6.0        8.0          8.0
## 1835   101962        10144       10158         5.0        8.0          7.0
## 1836   101963        10144       10159         5.0        6.0          7.0
## 1837   101964        10144       10160         4.0        6.0          8.0
## 1838   101965        10144       10161         5.0        8.0          7.0
## 1839   101966        10144       10162         9.0       10.0         10.0
## 1840   101967        10144       10163         8.0        7.0          9.0
## 1841   101968        10144       10164         7.0        7.0          7.0
## 1842   101969        10144       10165         3.0        6.0          8.0
## 1843   101970        10144       10166         4.0        6.0          7.0
## 1844   101971        10144       10167         7.0        8.0          9.0
## 1845   101972        10144       10168         5.0        7.0          7.0
## 1846   101973        10144       10169         6.0        8.0          9.0
## 1847   101974        10144       10170         1.0        4.0          5.0
## 1848   101975        10144       10171         5.0        6.0          5.0
## 1849   101976        10145       10156         9.0        7.0          7.0
## 1850   101977        10145       10157         6.0        6.0          6.0
## 1851   101978        10145       10158         8.0       10.0          9.0
## 1852   101979        10145       10159         7.0        8.0          9.0
## 1853   101980        10145       10160         5.0        7.0          7.0
## 1854   101981        10145       10161         7.0        9.0          7.0
## 1855   101982        10145       10162         9.0        6.0          6.0
## 1856   101983        10145       10163         7.0        8.0          8.0
## 1857   101984        10145       10164         8.0        8.0          8.0
## 1858   101985        10145       10165         3.0        6.0          5.0
## 1859   101986        10145       10166         4.0        7.0          8.0
## 1860   101987        10145       10167        10.0        8.0          8.0
```

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## 1861   101988         10145      10168          7.0        7.0            7.0
## 1862   101989         10145      10169          5.0        6.0            7.0
## 1863   101990         10145      10170          8.0        4.0            7.0
## 1864   101991         10145      10171          5.0        7.0            5.0
## 1865   101992         10146      10156          9.0        8.0            8.0
## 1866   101993         10146      10157          7.0        6.0            6.0
## 1867   101994         10146      10158          7.0        8.0            8.0
## 1868   101995         10146      10159          6.0        6.0            8.0
## 1869   101996         10146      10160          6.0        6.0            7.0
## 1870   101997         10146      10161          8.0        8.0            8.0
## 1871   101998         10146      10162          7.0        7.0            7.0
## 1872   101999         10146      10163          8.0        8.0            9.0
## 1873   102000         10146      10164          8.0        8.0            8.0
## 1874   102001         10146      10165          6.0        5.0            6.0
## 1875   102002         10146      10166          7.0        8.0            8.0
## 1876   102003         10146      10167          9.0        9.0            9.0
## 1877   102004         10146      10168          6.0        6.0            7.0
## 1878   102005         10146      10169          7.0        7.0            7.0
## 1879   102006         10146      10170          7.0        4.0            6.0
## 1880   102007         10146      10171          5.0        8.0            5.0
## 1881   102008         10147      10156          9.0        9.0            9.0
## 1882   102009         10147      10157          8.0        9.0            7.0
## 1883   102010         10147      10158          6.0        9.0            9.0
## 1884   102011         10147      10159          7.0        6.0            7.0
## 1885   102012         10147      10160          8.0        6.0            6.0
## 1886   102013         10147      10161          8.0        8.0            8.0
## 1887   102014         10147      10162          6.0        6.0            6.0
## 1888   102015         10147      10163          9.0        7.0            9.0
## 1889   102016         10147      10164          7.0        7.0            7.0
## 1890   102017         10147      10165          6.0        6.0            6.0
## 1891   102018         10147      10166          5.0        6.0            6.0
## 1892   102019         10147      10167          9.0        8.0            9.0
## 1893   102020         10147      10168          7.0        7.0            7.0
## 1894   102021         10147      10169          8.0        7.0            8.0
## 1895   102022         10147      10170          6.0        4.0            7.0
## 1896   102023         10147      10171          8.0        8.0            8.0
## 1897   102024         10148      10156         10.0        8.0            9.0
## 1898   102025         10148      10157          8.0        9.0            9.0
## 1899   102026         10148      10158          7.0       10.0            9.0
## 1900   102027         10148      10159          8.0        8.0           10.0
## 1901   102028         10148      10160          6.0        9.0            8.0
## 1902   102029         10148      10161          9.0        9.0            9.0
## 1903   102030         10148      10162          9.0       10.0            9.0
## 1904   102031         10148      10163          8.0       10.0            9.0
## 1905   102032         10148      10164          5.0        7.0            9.0
## 1906   102033         10148      10165          7.0        5.0            6.0
## 1907   102034         10148      10166          8.0        7.0            7.0
## 1908   102035         10148      10167          7.0        8.0            9.0
## 1909   102036         10148      10168          6.0        7.0            7.0
## 1910   102037         10148      10169          7.0        9.0            9.0
## 1911   102038         10148      10170          4.0        6.0            8.0
## 1912   102039         10148      10171          7.0        7.0            7.0
## 1913   102040         10149      10156         10.0        8.0            8.0
## 1914   102041         10149      10157          8.0        8.0            7.0
```

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## 1915   102042       10149       10158         8.0        8.0         7.0
## 1916   102043       10149       10159        10.0        8.0         8.0
## 1917   102044       10149       10160         8.0        7.0         7.0
## 1918   102045       10149       10161         8.0        9.0         8.0
## 1919   102046       10149       10162         9.0        9.0         7.0
## 1920   102047       10149       10163        10.0        9.0         8.0
## 1921   102048       10149       10164         8.0        8.0         8.0
## 1922   102049       10149       10165         8.0        8.0         5.0
## 1923   102050       10149       10166         9.0        8.0         7.0
## 1924   102051       10149       10167         9.0        9.0         9.0
## 1925   102052       10149       10168         8.0        7.0         7.0
## 1926   102053       10149       10169         9.0        9.0         8.0
## 1927   102054       10149       10170         8.0        7.0         8.0
## 1928   102055       10149       10171         9.0        8.0         7.0
## 1929   102056       10150       10156         9.0        9.0         8.0
## 1930   102057       10150       10157         7.0        7.0         7.0
## 1931   102058       10150       10158         7.0        9.0        10.0
## 1932   102059       10150       10159         7.0       10.0         9.0
## 1933   102060       10150       10160         6.0        7.0         7.0
## 1934   102061       10150       10161         6.0        8.0         8.0
## 1935   102062       10150       10162         8.0        9.0         9.0
## 1936   102063       10150       10163         8.0        9.0        10.0
## 1937   102064       10150       10164         8.0        8.0         7.0
## 1938   102065       10150       10165         7.0        8.0         8.0
## 1939   102066       10150       10166         7.0        7.0         7.0
## 1940   102067       10150       10167        10.0        9.0         8.0
## 1941   102068       10150       10168         5.0        7.0         6.0
## 1942   102069       10150       10169         7.0        7.0         8.0
## 1943   102070       10150       10170         7.0        8.0         8.0
## 1944   102071       10150       10171         5.0        5.0         5.0
## 1945   102072       10151       10156         7.0        9.0         8.0
## 1946   102073       10151       10157         7.0        7.0         7.0
## 1947   102074       10151       10158         7.0        9.0         8.0
## 1948   102075       10151       10159         7.0        9.0         6.0
## 1949   102076       10151       10160         5.0        7.0         6.0
## 1950   102077       10151       10161         8.0       10.0         8.0
## 1951   102078       10151       10162         7.0        8.0         8.0
## 1952   102079       10151       10163         7.0        8.0         8.0
## 1953   102080       10151       10164         6.0        7.0         7.0
## 1954   102081       10151       10165         4.0        8.0         6.0
## 1955   102082       10151       10166         7.0        7.0         7.0
## 1956   102083       10151       10167         9.0       10.0         8.0
## 1957   102084       10151       10168         5.0        7.0         7.0
## 1958   102085       10151       10169         6.0        8.0         8.0
## 1959   102086       10151       10170         4.0        6.0         8.0
## 1960   102087       10151       10171         5.0        5.0         5.0
## 1961   102088       10152       10156         9.0        9.0         7.0
## 1962   102089       10152       10157         7.0        8.0         7.0
## 1963   102090       10152       10158         8.0        8.0         8.0
## 1964   102091       10152       10159         9.0        9.0         8.0
## 1965   102092       10152       10160         7.0        6.0         7.0
## 1966   102093       10152       10161         8.0       10.0         8.0
## 1967   102094       10152       10162         8.0        7.0         7.0
## 1968   102095       10152       10163        10.0        8.0         8.0
```

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## 1969   102096          10152        10164           7.0          7.0           7.0
## 1970   102097          10152        10165           5.0          7.0           7.0
## 1971   102098          10152        10166           8.0          8.0           8.0
## 1972   102099          10152        10167          10.0          9.0           9.0
## 1973   102100          10152        10168           6.0          6.0           7.0
## 1974   102101          10152        10169           9.0          7.0           8.0
## 1975   102102          10152        10170           7.0          8.0           8.0
## 1976   102103          10152        10171           6.0          7.0           6.0
## 1977   102104          10153        10156          10.0          9.0           9.0
## 1978   102105          10153        10157           7.0          9.0           8.0
## 1979   102106          10153        10158           7.0          8.0           8.0
## 1980   102107          10153        10159           7.0          8.0           8.0
## 1981   102108          10153        10160           6.0          5.0           3.0
## 1982   102109          10153        10161           8.0          6.0           6.0
## 1983   102110          10153        10162           5.0         10.0           8.0
## 1984   102111          10153        10163           9.0          9.0           8.0
## 1985   102112          10153        10164           7.0          7.0           7.0
## 1986   102113          10153        10165           6.0          6.0           5.0
## 1987   102114          10153        10166           7.0          7.0           7.0
## 1988   102115          10153        10167           9.0          8.0           8.0
## 1989   102116          10153        10168           6.0          7.0           7.0
## 1990   102117          10153        10169          10.0          8.0           8.0
## 1991   102118          10153        10170           5.0          6.0           6.0
## 1992   102119          10153        10171           6.0          7.0           7.0
## 1993   102120          10154        10156           9.0          8.0           8.0
## 1994   102121          10154        10157           6.0          7.0           7.0
## 1995   102122          10154        10158           8.0         10.0           8.0
## 1996   102123          10154        10159           7.0          9.0          10.0
## 1997   102124          10154        10160           5.0          7.0           7.0
## 1998   102125          10154        10161           8.0          9.0           9.0
## 1999   102126          10154        10162           8.0          8.0          10.0
## 2000   102127          10154        10163           7.0          8.0           7.0
## 2001   102128          10154        10164           7.0          7.0           7.0
## 2002   102129          10154        10165           7.0          6.0           6.0
## 2003   102130          10154        10166           7.0          8.0           8.0
## 2004   102131          10154        10167           8.0          8.0          10.0
## 2005   102132          10154        10168           6.0          8.0           8.0
## 2006   102133          10154        10169           6.0          8.0           9.0
## 2007   102134          10154        10170           6.0          8.0           7.0
## 2008   102135          10154        10171           7.0          7.0           7.0
## 2009   102136          10155        10156           9.0          8.0           8.0
## 2010   102137          10155        10157           6.0         10.0           6.0
## 2011   102138          10155        10158          10.0          8.0           8.0
## 2012   102139          10155        10159           8.0          8.0           8.0
## 2013   102140          10155        10160           5.0          5.0           6.0
## 2014   102141          10155        10161           7.0          6.0           6.0
## 2015   102142          10155        10162           8.0          7.0           8.0
## 2016   102143          10155        10163           9.0          7.0           8.0
## 2017   102144          10155        10164           8.0          8.0           8.0
## 2018   102145          10155        10165           6.0          7.0           6.0
## 2019   102146          10155        10166           6.0          8.0           8.0
## 2020   102147          10155        10167          10.0          8.0           8.0
## 2021   102148          10155        10168           6.0          6.0           6.0
## 2022   102149          10155        10169           9.0          8.0           9.0
```

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## 2023   102150        10155        10170           8.0        5.0           7.0
## 2024   102151        10155        10171           7.0        8.0           8.0
## 2025   102152        10156        10140           4.0        5.0           6.0
## 2026   102153        10156        10141           5.0        6.0           8.0
## 2027   102154        10156        10142           4.0        6.0           7.0
## 2028   102155        10156        10143           7.0       10.0          10.0
## 2029   102156        10156        10144           4.0        6.0           8.0
## 2030   102157        10156        10145           5.0        5.0           8.0
## 2031   102158        10156        10146           4.0        8.0           8.0
## 2032   102159        10156        10147           6.0        7.0           7.0
## 2033   102160        10156        10148           5.0        5.0           8.0
## 2034   102161        10156        10149           4.0        5.0           5.0
## 2035   102162        10156        10150           6.0        7.0           7.0
## 2036   102163        10156        10151           6.0        6.0           8.0
## 2037   102164        10156        10152           5.0        8.0          10.0
## 2038   102165        10156        10153           2.0        6.0           7.0
## 2039   102166        10156        10154           4.0        7.0          10.0
## 2040   102167        10156        10155           2.0        3.0           3.0
## 2041   102168        10157        10140           5.0       10.0           9.0
## 2042   102169        10157        10141           4.0        6.0           8.0
## 2043   102170        10157        10142           4.0        7.0           8.0
## 2044   102171        10157        10143           7.0       10.0          10.0
## 2045   102172        10157        10144           5.0        7.0          10.0
## 2046   102173        10157        10145           5.0        6.0           8.0
## 2047   102174        10157        10146           3.0        8.0           8.0
## 2048   102175        10157        10147           4.0        7.0           8.0
## 2049   102176        10157        10148           5.0        8.0          10.0
## 2050   102177        10157        10149           3.0        7.0           7.0
## 2051   102178        10157        10150           4.0        6.0           5.0
## 2052   102179        10157        10151           5.0        5.0           6.0
## 2053   102180        10157        10152           6.0        8.0           9.0
## 2054   102181        10157        10153           1.0        4.0           6.0
## 2055   102182        10157        10154           3.0       10.0          10.0
## 2056   102183        10157        10155           2.0        6.0           6.0
## 2057   102184        10158        10140           8.0        8.0           8.0
## 2058   102185        10158        10141           5.0        5.0           7.0
## 2059   102186        10158        10142           7.0        8.0           8.0
## 2060   102187        10158        10143           8.0       10.0           7.0
## 2061   102188        10158        10144           8.0       10.0           7.0
## 2062   102189        10158        10145           8.0        6.0           7.0
## 2063   102190        10158        10146           7.0        5.0           7.0
## 2064   102191        10158        10147           9.0        7.0           8.0
## 2065   102192        10158        10148           9.0        7.0           7.0
## 2066   102193        10158        10149           8.0        6.0           8.0
## 2067   102194        10158        10150           6.0        8.0           7.0
## 2068   102195        10158        10151           5.0        6.0           6.0
## 2069   102196        10158        10152           9.0        9.0           9.0
## 2070   102197        10158        10153           7.0        7.0           6.0
## 2071   102198        10158        10154           7.0       10.0          10.0
## 2072   102199        10158        10155           7.0        6.0           7.0
## 2073   102200        10159        10140          10.0       10.0           9.0
## 2074   102201        10159        10141           5.0        6.0           8.0
## 2075   102202        10159        10142           8.0        8.0           8.0
## 2076   102203        10159        10143          10.0        9.0           9.0
```

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## 2077   102204        10159        10144          6.0          8.0          8.0
## 2078   102205        10159        10145          7.0          6.0          7.0
## 2079   102206        10159        10146          5.0          8.0          8.0
## 2080   102207        10159        10147          8.0          6.0          8.0
## 2081   102208        10159        10148          8.0          5.0          8.0
## 2082   102209        10159        10149          9.0          7.0          8.0
## 2083   102210        10159        10150          8.0          8.0          8.0
## 2084   102211        10159        10151          7.0          7.0          7.0
## 2085   102212        10159        10152         10.0          8.0          9.0
## 2086   102213        10159        10153          8.0          7.0          7.0
## 2087   102214        10159        10154          8.0          9.0         10.0
## 2088   102215        10159        10155          7.0          7.0          6.0
## 2089   102216        10160        10140          8.0         10.0          9.0
## 2090   102217        10160        10141          6.0          7.0          9.0
## 2091   102218        10160        10142          7.0          7.0          8.0
## 2092   102219        10160        10143          9.0          9.0          9.0
## 2093   102220        10160        10144          5.0          5.0         10.0
## 2094   102221        10160        10145          5.0          6.0          6.0
## 2095   102222        10160        10146          6.0          8.0          8.0
## 2096   102223        10160        10147          4.0          8.0          7.0
## 2097   102224        10160        10148          6.0          6.0          7.0
## 2098   102225        10160        10149          9.0          8.0          7.0
## 2099   102226        10160        10150          5.0          6.0          8.0
## 2100   102227        10160        10151          5.0          5.0          7.0
## 2101   102228        10160        10152          5.0          8.0          8.0
## 2102   102229        10160        10153          2.0          4.0          6.0
## 2103   102230        10160        10154          7.0          6.0         10.0
## 2104   102231        10160        10155          3.0          5.0          7.0
## 2105   102232        10161        10140          6.0          8.0          8.0
## 2106   102233        10161        10141          9.0          8.0          9.0
## 2107   102234        10161        10142          6.0          7.0          7.0
## 2108   102235        10161        10143          9.0          9.0          8.0
## 2109   102236        10161        10144          6.0          8.0          8.0
## 2110   102237        10161        10145          7.0          8.0          8.0
## 2111   102238        10161        10146          7.0          9.0          9.0
## 2112   102239        10161        10147          5.0          6.0          6.0
## 2113   102240        10161        10148          7.0          7.0          8.0
## 2114   102241        10161        10149          7.0          5.0          7.0
## 2115   102242        10161        10150          7.0          8.0          7.0
## 2116   102243        10161        10151          8.0          8.0          8.0
## 2117   102244        10161        10152          9.0          9.0          8.0
## 2118   102245        10161        10153          6.0          7.0          6.0
## 2119   102246        10161        10154          6.0          9.0         10.0
## 2120   102247        10161        10155          5.0          7.0          6.0
## 2121   102248        10162        10140          8.0          9.0         10.0
## 2122   102249        10162        10141          8.0          7.0          9.0
## 2123   102250        10162        10142          8.0          8.0          7.0
## 2124   102251        10162        10143          9.0         10.0         10.0
## 2125   102252        10162        10144         10.0          9.0         10.0
## 2126   102253        10162        10145          6.0          8.0          8.0
## 2127   102254        10162        10146          4.0          6.0          7.0
## 2128   102255        10162        10147          3.0          7.0          8.0
## 2129   102256        10162        10148          8.0          7.0          6.0
## 2130   102257        10162        10149          6.0          8.0          8.0
```

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## 2131   102258        10162       10150           6.0         8.0              8.0
## 2132   102259        10162       10151           6.0         6.0              7.0
## 2133   102260        10162       10152           7.0         9.0              9.0
## 2134   102261        10162       10153           6.0         8.0              7.0
## 2135   102262        10162       10154           7.0         9.0             10.0
## 2136   102263        10162       10155           5.0         6.0              6.0
## 2137   102264        10163       10140           6.0         8.0              7.0
## 2138   102265        10163       10141          10.0         9.0              9.0
## 2139   102266        10163       10142           7.0         6.0              6.0
## 2140   102267        10163       10143           8.0         8.0              7.0
## 2141   102268        10163       10144           8.0         8.0              7.0
## 2142   102269        10163       10145           7.0         7.0              7.0
## 2143   102270        10163       10146           6.0         7.0              6.0
## 2144   102271        10163       10147           8.0         7.0              6.0
## 2145   102272        10163       10148           9.0         8.0              8.0
## 2146   102273        10163       10149           8.0         5.0              5.0
## 2147   102274        10163       10150           8.0         8.0              7.0
## 2148   102275        10163       10151           5.0         5.0              5.0
## 2149   102276        10163       10152           7.0         9.0              7.0
## 2150   102277        10163       10153           7.0         6.0              5.0
## 2151   102278        10163       10154           8.0         5.0             10.0
## 2152   102279        10163       10155           6.0         7.0              7.0
## 2153   102280        10164       10140           8.0         6.0              6.0
## 2154   102281        10164       10141           9.0         8.0              9.0
## 2155   102282        10164       10142           7.0         8.0              8.0
## 2156   102283        10164       10143           7.0         7.0              7.0
## 2157   102284        10164       10144           5.0         8.0              6.0
## 2158   102285        10164       10145           8.0         8.0              8.0
## 2159   102286        10164       10146           7.0         8.0              7.0
## 2160   102287        10164       10147           8.0         5.0              6.0
## 2161   102288        10164       10148           6.0         5.0              6.0
## 2162   102289        10164       10149           6.0         4.0              6.0
## 2163   102290        10164       10150           5.0         5.0              6.0
## 2164   102291        10164       10151           4.0         4.0              5.0
## 2165   102292        10164       10152           9.0         9.0              9.0
## 2166   102293        10164       10153           8.0         7.0              7.0
## 2167   102294        10164       10154           7.0         6.0             10.0
## 2168   102295        10164       10155           6.0         7.0              7.0
## 2169   102296        10165       10140           8.0         8.0              8.0
## 2170   102297        10165       10141           5.0         6.0              7.0
## 2171   102298        10165       10142           6.0         7.0              8.0
## 2172   102299        10165       10143          10.0         9.0              9.0
## 2173   102300        10165       10144           5.0         7.0              8.0
## 2174   102301        10165       10145           6.0         6.0              6.0
## 2175   102302        10165       10146           3.0         8.0              8.0
## 2176   102303        10165       10147           4.0         6.0              7.0
## 2177   102304        10165       10148           7.0         7.0              8.0
## 2178   102305        10165       10149           6.0         3.0              6.0
## 2179   102306        10165       10150           7.0         9.0              8.0
## 2180   102307        10165       10151           5.0         6.0              7.0
## 2181   102308        10165       10152           8.0         8.0              8.0
## 2182   102309        10165       10153           5.0         5.0              6.0
## 2183   102310        10165       10154           6.0         9.0             10.0
## 2184   102311        10165       10155           4.0         5.0              5.0
```

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## 2185   102312        10166        10140           6.0         9.0            9.0
## 2186   102313        10166        10141           7.0         8.0            9.0
## 2187   102314        10166        10142           5.0         5.0            6.0
## 2188   102315        10166        10143           6.0         9.0            8.0
## 2189   102316        10166        10144           6.0         8.0           10.0
## 2190   102317        10166        10145           4.0         8.0            8.0
## 2191   102318        10166        10146           2.0         8.0            8.0
## 2192   102319        10166        10147           4.0         7.0            8.0
## 2193   102320        10166        10148           7.0         8.0            8.0
## 2194   102321        10166        10149           6.0         3.0            7.0
## 2195   102322        10166        10150           4.0         7.0            7.0
## 2196   102323        10166        10151           5.0         6.0            6.0
## 2197   102324        10166        10152           5.0         9.0            7.0
## 2198   102325        10166        10153           3.0         6.0            4.0
## 2199   102326        10166        10154           6.0         9.0           10.0
## 2200   102327        10166        10155           2.0         8.0            8.0
## 2201   102328        10167        10140          10.0        10.0           10.0
## 2202   102329        10167        10141           8.0         9.0            9.0
## 2203   102330        10167        10142           7.0         7.0            8.0
## 2204   102331        10167        10143           9.0         7.0            9.0
## 2205   102332        10167        10144           8.0         8.0            8.0
## 2206   102333        10167        10145           8.0         7.0            8.0
## 2207   102334        10167        10146           8.0         8.0            8.0
## 2208   102335        10167        10147           8.0         7.0            8.0
## 2209   102336        10167        10148           9.0         9.0            9.0
## 2210   102337        10167        10149           7.0         8.0            7.0
## 2211   102338        10167        10150           8.0         9.0            9.0
## 2212   102339        10167        10151           7.0         7.0            7.0
## 2213   102340        10167        10152           9.0         9.0            9.0
## 2214   102341        10167        10153           8.0         8.0            8.0
## 2215   102342        10167        10154           7.0         9.0           10.0
## 2216   102343        10167        10155           8.0         7.0            7.0
## 2217   102344        10168        10140           4.0         7.0            7.0
## 2218   102345        10168        10141           5.0         5.0            9.0
## 2220   102347        10168        10143           8.0        10.0            9.0
## 2221   102348        10168        10144           6.0         8.0            8.0
## 2222   102349        10168        10145           4.0         7.0            8.0
## 2223   102350        10168        10146           3.0         8.0            8.0
## 2224   102351        10168        10147           4.0         8.0            7.0
## 2225   102352        10168        10148           5.0         6.0            9.0
## 2226   102353        10168        10149           3.0         8.0            8.0
## 2227   102354        10168        10150           4.0         6.0            7.0
## 2228   102355        10168        10151           5.0         5.0            7.0
## 2229   102356        10168        10152           6.0        10.0           10.0
## 2230   102357        10168        10153           2.0         8.0            8.0
## 2231   102358        10168        10154           4.0         8.0           10.0
## 2232   102359        10168        10155           3.0         6.0            7.0
## 2233   102360        10169        10140           4.0        10.0            9.0
## 2234   102361        10169        10141           8.0         9.0            9.0
## 2235   102362        10169        10142           5.0         7.0            8.0
## 2236   102363        10169        10143           9.0         9.0            9.0
## 2237   102364        10169        10144           8.0         8.0            8.0
## 2238   102365        10169        10145           4.0         7.0            9.0
## 2239   102366        10169        10146           4.0         8.0            8.0
```

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## 2240   102367      10169      10147         6.0        8.0           8.0
## 2241   102368      10169      10148         6.0        7.0           9.0
## 2242   102369      10169      10149         5.0        7.0           6.0
## 2243   102370      10169      10150         6.0        7.0           8.0
## 2244   102371      10169      10151         6.0        6.0           7.0
## 2245   102372      10169      10152         8.0        9.0           9.0
## 2246   102373      10169      10153         4.0        7.0           7.0
## 2247   102374      10169      10154         5.0        8.0          10.0
## 2248   102375      10169      10155         5.0        7.0           7.0
## 2249   102376      10170      10140         8.0        7.0           8.0
## 2250   102377      10170      10141         8.0        8.0           9.0
## 2251   102378      10170      10142         5.0        8.0           7.0
## 2252   102379      10170      10143         9.0        9.0           9.0
## 2253   102380      10170      10144         8.0        8.0           8.0
## 2254   102381      10170      10145         8.0       10.0          10.0
## 2255   102382      10170      10146         7.0        8.0           8.0
## 2256   102383      10170      10147         7.0        7.0           7.0
## 2257   102384      10170      10148         6.0        7.0           8.0
## 2258   102385      10170      10149         7.0        8.0           7.0
## 2259   102386      10170      10150         6.0        8.0           7.0
## 2260   102387      10170      10151         6.0        5.0           6.0
## 2261   102388      10170      10152         9.0       10.0          10.0
## 2262   102389      10170      10153         5.0        8.0           8.0
## 2263   102390      10170      10154         5.0        9.0          10.0
## 2264   102391      10170      10155         7.0        7.0           7.0
## 2265   102392      10171      10140         6.0        4.0           8.0
## 2266   102393      10171      10141         7.0        5.0           8.0
## 2267   102394      10171      10142         6.0        7.0           8.0
## 2268   102395      10171      10143         8.0       10.0          10.0
## 2269   102396      10171      10144         6.0        8.0           8.0
## 2270   102397      10171      10145         6.0        8.0           8.0
## 2271   102398      10171      10146         7.0        9.0           9.0
## 2272   102399      10171      10147         5.0        8.0           8.0
## 2273   102400      10171      10148         6.0        8.0           8.0
## 2274   102401      10171      10149         8.0        7.0           8.0
## 2275   102402      10171      10150         5.0        8.0           8.0
## 2276   102403      10171      10151         5.0        5.0           6.0
## 2277   102404      10171      10152         9.0        9.0          10.0
## 2278   102405      10171      10153         3.0        8.0           8.0
## 2279   102406      10171      10154         6.0        9.0          10.0
## 2280   102407      10171      10155         5.0        6.0           5.0
## 2281   102408      10172      10182         8.0       10.0          10.0
## 2282   102409      10172      10183         6.0        6.0           7.0
## 2283   102410      10172      10184         4.0        6.0           6.0
## 2284   102411      10172      10185         6.0        8.0           7.0
## 2285   102412      10172      10186         4.0        5.0           5.0
## 2286   102413      10172      10187         5.0        8.0           7.0
## 2287   102414      10172      10188         5.0        8.0           8.0
## 2288   102415      10172      10189         5.0        8.0           7.0
## 2289   102416      10172      10190         3.0        8.0           8.0
## 2290   102417      10172      10191         3.0        9.0           7.0
## 2291   102418      10173      10182         7.0       10.0          10.0
## 2292   102419      10173      10183         3.0        8.0           8.0
## 2293   102420      10173      10184         7.0        6.0           6.0
```

```
## 2294   102421          10173          10185              6.0            7.0               10.0
## 2295   102422          10173          10186              6.0            5.0                6.0
## 2296   102423          10173          10187              6.0            6.0                5.0
## 2297   102424          10173          10188              9.0            8.0                8.0
## 2298   102425          10173          10189              5.0            9.0                8.0
## 2299   102426          10173          10190              4.0            8.0                7.0
## 2300   102427          10173          10191              5.0            8.0                8.0
## 2301   102428          10174          10182             10.0           10.0               10.0
## 2302   102429          10174          10183              3.0            8.0                8.0
## 2303   102430          10174          10184              8.0            7.0                7.0
## 2304   102431          10174          10185              6.0            7.0                7.0
## 2305   102432          10174          10186              6.0            5.0                7.0
## 2306   102433          10174          10187              8.0            8.0                5.0
## 2307   102434          10174          10188              9.0            7.0                8.0
## 2308   102435          10174          10189              7.0            8.0                7.0
## 2309   102436          10174          10190              7.0            8.0                9.0
## 2310   102437          10174          10191              6.0            9.0                9.0
## 2311   102438          10175          10182              8.0           10.0               10.0
## 2312   102439          10175          10183              2.0            9.0                9.0
## 2313   102440          10175          10184              5.0            5.0                7.0
## 2314   102441          10175          10185              4.0            7.0                7.0
## 2315   102442          10175          10186              3.0            4.0                5.0
## 2316   102443          10175          10187              5.0            6.0                6.0
## 2317   102444          10175          10188              5.0            7.0                5.0
## 2318   102445          10175          10189              5.0            7.0                7.0
## 2319   102446          10175          10190              6.0            8.0                6.0
## 2320   102447          10175          10191              6.0            8.0                8.0
## 2321   102448          10176          10182              8.0           10.0               10.0
## 2322   102449          10176          10183              3.0            7.0                7.0
## 2323   102450          10176          10184              5.0            6.0                6.0
## 2325   102452          10176          10186              5.0            5.0                6.0
## 2326   102453          10176          10187              5.0            8.0                8.0
## 2327   102454          10176          10188              3.0            9.0                8.0
## 2328   102455          10176          10189              5.0            8.0                7.0
## 2329   102456          10176          10190              4.0            7.0                6.0
## 2330   102457          10176          10191              3.0            9.0                9.0
## 2331   102458          10177          10182             10.0           10.0               10.0
## 2332   102459          10177          10183              8.0            8.0                9.0
## 2333   102460          10177          10184              7.0            7.0                7.0
## 2334   102461          10177          10185              7.0            7.0                7.0
## 2335   102462          10177          10186              7.0            6.0                6.0
## 2336   102463          10177          10187              7.0            8.0                8.0
## 2337   102464          10177          10188             10.0            8.0               10.0
## 2338   102465          10177          10189              8.0            8.0                9.0
## 2339   102466          10177          10190              7.0            7.0                8.0
## 2340   102467          10177          10191              9.0            9.0                9.0
## 2341   102468          10178          10182             10.0            9.0                8.0
## 2342   102469          10178          10183              9.0           10.0                8.0
## 2343   102470          10178          10184              7.0            7.0                7.0
## 2344   102471          10178          10185              6.0            7.0                7.0
## 2345   102472          10178          10186              8.0            8.0                5.0
## 2346   102473          10178          10187              6.0            8.0                8.0
## 2347   102474          10178          10188              7.0            5.0                7.0
## 2348   102475          10178          10189              7.0            8.0                7.0
```

```
## 2349  102476       10178       10190        7.0        7.0        8.0
## 2350  102477       10178       10191        7.0        8.0        8.0
## 2351  102478       10179       10182       10.0       10.0       10.0
## 2352  102479       10179       10183        9.0       10.0        8.0
## 2353  102480       10179       10184        6.0        8.0        8.0
## 2354  102481       10179       10185        6.0        7.0        7.0
## 2355  102482       10179       10186        6.0        7.0        5.0
## 2356  102483       10179       10187        6.0        7.0        7.0
## 2357  102484       10179       10188        6.0        9.0        7.0
## 2358  102485       10179       10189        8.0        8.0        8.0
## 2359  102486       10179       10190        7.0        7.0        6.0
## 2360  102487       10179       10191        8.0       10.0        8.0
## 2361  102488       10180       10182        8.0       10.0       10.0
## 2362  102489       10180       10183        6.0        8.0        9.0
## 2363  102490       10180       10184        5.0        7.0        6.0
## 2364  102491       10180       10185        6.0        7.0        7.0
## 2365  102492       10180       10186        5.0        7.0        7.0
## 2366  102493       10180       10187        5.0        7.0        6.0
## 2367  102494       10180       10188        7.0        5.0        7.0
## 2368  102495       10180       10189        5.0        7.0        7.0
## 2369  102496       10180       10190        3.0        8.0        7.0
## 2370  102497       10180       10191        3.0        9.0        7.0
## 2371  102498       10181       10182       10.0       10.0       10.0
## 2372  102499       10181       10183        6.0        6.0        6.0
## 2373  102500       10181       10184        7.0        7.0        6.0
## 2374  102501       10181       10185        4.0        7.0        7.0
## 2375  102502       10181       10186        4.0        5.0        5.0
## 2376  102503       10181       10187        6.0        8.0        7.0
## 2377  102504       10181       10188        8.0        3.0        8.0
## 2378  102505       10181       10189        5.0        7.0        7.0
## 2379  102506       10181       10190        5.0        7.0        6.0
## 2380  102507       10181       10191        6.0        8.0        7.0
## 2381  102508       10182       10172        5.0        6.0        6.0
## 2382  102509       10182       10173        7.0        7.0        7.0
## 2383  102510       10182       10174        7.0        7.0        8.0
## 2384  102511       10182       10175        5.0        7.0        7.0
## 2385  102512       10182       10176        5.0        7.0        7.0
## 2386  102513       10182       10177        3.0        7.0        6.0
## 2387  102514       10182       10178        7.0        8.0        7.0
## 2388  102515       10182       10179        8.0        9.0        8.0
## 2389  102516       10182       10180        7.0        8.0        8.0
## 2390  102517       10182       10181        8.0        9.0        9.0
## 2391  102518       10183       10172        5.0        5.0        5.0
## 2392  102519       10183       10173        2.0        7.0        7.0
## 2393  102520       10183       10174        6.0        5.0        6.0
## 2394  102521       10183       10175        2.0        3.0        3.0
## 2395  102522       10183       10176        7.0        7.0        7.0
## 2396  102523       10183       10177        4.0        6.0        6.0
## 2397  102524       10183       10178        4.0        4.0        4.0
## 2398  102525       10183       10179        6.0        8.0        9.0
## 2399  102526       10183       10180        7.0        7.0        8.0
## 2400  102527       10183       10181        7.0        6.0        7.0
## 2401  102528       10184       10172        5.0        5.0        6.0
## 2402  102529       10184       10173        2.0        8.0        8.0
```

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## 2403   102530        10184      10174      7.0       8.0        7.0
## 2404   102531        10184      10175      2.0       6.0        7.0
## 2405   102532        10184      10176      5.0       7.0        7.0
## 2406   102533        10184      10177      4.0       8.0        7.0
## 2407   102534        10184      10178      6.0       7.0        7.0
## 2408   102535        10184      10179      8.0       8.0        9.0
## 2409   102536        10184      10180      6.0       8.0       10.0
## 2410   102537        10184      10181      8.0       8.0        8.0
## 2411   102538        10185      10172      5.0       5.0        5.0
## 2412   102539        10185      10173      4.0       6.0        7.0
## 2414   102541        10185      10175      4.0       6.0        7.0
## 2416   102543        10185      10177      4.0       8.0        7.0
## 2417   102544        10185      10178      5.0       5.0        5.0
## 2419   102546        10185      10180      6.0       8.0        9.0
## 2420   102547        10185      10181      6.0       6.0        6.0
## 2421   102548        10186      10172      5.0       5.0        5.0
## 2422   102549        10186      10173      4.0       7.0        7.0
## 2423   102550        10186      10174      7.0       5.0        6.0
## 2424   102551        10186      10175      1.0       6.0        6.0
## 2425   102552        10186      10176      5.0       6.0        7.0
## 2426   102553        10186      10177      4.0       8.0        7.0
## 2427   102554        10186      10178      7.0       8.0        8.0
## 2428   102555        10186      10179      4.0       4.0        4.0
## 2429   102556        10186      10180      1.0       7.0        8.0
## 2430   102557        10186      10181      6.0       7.0        7.0
## 2431   102558        10187      10172      5.0       5.0        5.0
## 2432   102559        10187      10173      4.0       7.0        7.0
## 2433   102560        10187      10174      6.0       7.0        7.0
## 2434   102561        10187      10175      4.0       6.0        6.0
## 2435   102562        10187      10176      7.0       7.0        7.0
## 2436   102563        10187      10177      4.0       8.0        7.0
## 2437   102564        10187      10178      7.0       6.0        7.0
## 2438   102565        10187      10179      5.0      10.0        8.0
## 2439   102566        10187      10180      6.0       8.0        8.0
## 2440   102567        10187      10181      6.0       8.0        8.0
## 2441   102568        10188      10172      5.0       5.0        6.0
## 2442   102569        10188      10173      7.0       8.0        7.0
## 2443   102570        10188      10174      8.0       7.0        6.0
## 2444   102571        10188      10175      6.0       7.0        7.0
## 2445   102572        10188      10176      7.0       5.0        7.0
## 2446   102573        10188      10177      7.0       6.0        7.0
## 2447   102574        10188      10178      8.0       7.0        7.0
## 2448   102575        10188      10179      5.0       5.0        6.0
## 2449   102576        10188      10180      7.0       8.0        9.0
## 2450   102577        10188      10181      7.0       7.0        7.0
## 2451   102578        10189      10172      5.0       6.0        5.0
## 2452   102579        10189      10173      1.0       7.0        8.0
## 2453   102580        10189      10174      8.0       6.0        7.0
## 2454   102581        10189      10175      7.0       7.0        7.0
## 2455   102582        10189      10176      8.0       7.0        7.0
## 2456   102583        10189      10177      4.0       7.0        6.0
## 2457   102584        10189      10178      8.0       7.0        8.0
## 2458   102585        10189      10179      8.0       9.0        8.0
## 2459   102586        10189      10180      9.0       9.0        9.0
```

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## 2460   102587        10189        10181        7.0        7.0        7.0
## 2461   102588        10190        10172        6.0        5.0        6.0
## 2462   102589        10190        10173        1.0        5.0        7.0
## 2463   102590        10190        10174        8.0        7.0        9.0
## 2464   102591        10190        10175        7.0        7.0        8.0
## 2465   102592        10190        10176        6.0        6.0        7.0
## 2466   102593        10190        10177        6.0        6.0        6.0
## 2467   102594        10190        10178        9.0        8.0        8.0
## 2468   102595        10190        10179        6.0        4.0        4.0
## 2469   102596        10190        10180        8.0        9.0        9.0
## 2470   102597        10190        10181        8.0        8.0        8.0
## 2471   102598        10191        10172        6.0        5.0        6.0
## 2472   102599        10191        10173        4.0        6.0        7.0
## 2473   102600        10191        10174        7.0        8.0        8.0
## 2474   102601        10191        10175        5.0        7.0        7.0
## 2475   102602        10191        10176        7.0        8.0        8.0
## 2476   102603        10191        10177        5.0        7.0        7.0
## 2477   102604        10191        10178        7.0        7.0        7.0
## 2478   102605        10191        10179        8.0        8.0        9.0
## 2479   102606        10191        10180        5.0        8.0        9.0
## 2480   102607        10191        10181        7.0        8.0        7.0
## 2481   102608        10192        10212        7.0        8.0        6.0
## 2482   102609        10192        10213        3.0        4.0        4.0
## 2483   102610        10192        10214        5.0        5.0        7.0
## 2484   102611        10192        10215        3.0        9.0        9.0
## 2485   102612        10192        10216        2.0        6.0        4.0
## 2486   102613        10192        10217        3.0        7.0        7.0
## 2487   102614        10192        10218        5.0        8.0        8.0
## 2488   102615        10192        10219        4.0        3.0        6.0
## 2489   102616        10192        10220        7.0        4.0        4.0
## 2490   102617        10192        10221        7.0        7.0        7.0
## 2491   102618        10192        10222        5.0        8.0        7.0
## 2492   102619        10192        10223        6.0        4.0        5.0
## 2493   102620        10192        10224        4.0        5.0        5.0
## 2494   102621        10192        10225        4.0        6.0        6.0
## 2495   102622        10192        10226        6.0        7.0        6.0
## 2496   102623        10192        10227        1.0        5.0        5.0
## 2497   102624        10192        10228        3.0        5.0        5.0
## 2498   102625        10192        10229        5.0        4.0        6.0
## 2499   102626        10192        10230        5.0        5.0        5.0
## 2500   102627        10192        10231        6.0        7.0        8.0
## 2501   102628        10193        10212        9.0        8.0        7.0
## 2502   102629        10193        10213        5.0        9.0        8.0
## 2503   102630        10193        10214        7.0        7.0        9.0
## 2504   102631        10193        10215        6.0        5.0        9.0
## 2505   102632        10193        10216        6.0        7.0        7.0
## 2506   102633        10193        10217        7.0        8.0        7.0
## 2507   102634        10193        10218        8.0        8.0        9.0
## 2508   102635        10193        10219        7.0        8.0        8.0
## 2509   102636        10193        10220        6.0        3.0        8.0
## 2510   102637        10193        10221        6.0        8.0        6.0
## 2511   102638        10193        10222        7.0        6.0        7.0
## 2512   102639        10193        10223        6.0        7.0        7.0
## 2513   102640        10193        10224        6.0        7.0        7.0
```

```
## 2514  102641     10193     10225        6.0       4.0        8.0
## 2515  102642     10193     10226        6.0       6.0        6.0
## 2516  102643     10193     10227        8.0       9.0        7.0
## 2517  102644     10193     10228        8.0       7.0        7.0
## 2518  102645     10193     10229        6.0       8.0        8.0
## 2519  102646     10193     10230        7.0       8.0        8.0
## 2520  102647     10193     10231        6.0       7.0        7.0
## 2521  102648     10194     10212        7.0       8.0        8.0
## 2522  102649     10194     10213        5.0       8.0        5.0
## 2523  102650     10194     10214        7.0       6.0        9.0
## 2524  102651     10194     10215        4.0       7.0        8.0
## 2525  102652     10194     10216        2.0       5.0        4.0
## 2526  102653     10194     10217        8.0       7.0        7.0
## 2527  102654     10194     10218       10.0      10.0       10.0
## 2528  102655     10194     10219        6.0       5.0        5.0
## 2529  102656     10194     10220        7.0       6.0        5.0
## 2530  102657     10194     10221        7.0       8.0        6.0
## 2531  102658     10194     10222        7.0       8.0        5.0
## 2532  102659     10194     10223        6.0       5.0        5.0
## 2533  102660     10194     10224        5.0       8.0        7.0
## 2534  102661     10194     10225        5.0       7.0        7.0
## 2535  102662     10194     10226        6.0       7.0        6.0
## 2536  102663     10194     10227        6.0       7.0        8.0
## 2537  102664     10194     10228        8.0       7.0        8.0
## 2538  102665     10194     10229        8.0       6.0        7.0
## 2539  102666     10194     10230        6.0       6.0        6.0
## 2540  102667     10194     10231        7.0       8.0        7.0
## 2541  102668     10195     10212        8.0       8.0        9.0
## 2542  102669     10195     10213        7.0       9.0        9.0
## 2543  102670     10195     10214        6.0       8.0        8.0
## 2544  102671     10195     10215        7.0       7.0        9.0
## 2545  102672     10195     10216        3.0       3.0        4.0
## 2546  102673     10195     10217        6.0       8.0        6.0
## 2547  102674     10195     10218        8.0       8.0        7.0
## 2548  102675     10195     10219        7.0       6.0        7.0
## 2549  102676     10195     10220        8.0       4.0        7.0
## 2550  102677     10195     10221        8.0       6.0        7.0
## 2551  102678     10195     10222        5.0       8.0        8.0
## 2552  102679     10195     10223        6.0       6.0        6.0
## 2553  102680     10195     10224        8.0       8.0        8.0
## 2554  102681     10195     10225        7.0       7.0        7.0
## 2555  102682     10195     10226        5.0       6.0        6.0
## 2556  102683     10195     10227        4.0       8.0        8.0
## 2557  102684     10195     10228        7.0       6.0        7.0
## 2558  102685     10195     10229        9.0       5.0        6.0
## 2559  102686     10195     10230       10.0      10.0        9.0
## 2560  102687     10195     10231        8.0       8.0        8.0
## 2561  102688     10196     10212        6.0       7.0        7.0
## 2562  102689     10196     10213        3.0       7.0        5.0
## 2563  102690     10196     10214        8.0       8.0        8.0
## 2564  102691     10196     10215        3.0       7.0        6.0
## 2565  102692     10196     10216        3.0       7.0        5.0
## 2566  102693     10196     10217        3.0       6.0        5.0
## 2567  102694     10196     10218        8.0       8.0        8.0
```

```
## 2568   102695        10196        10219        3.0        5.0        6.0
## 2569   102696        10196        10220        4.0        7.0        8.0
## 2570   102697        10196        10221        6.0        8.0        8.0
## 2571   102698        10196        10222        5.0        6.0        6.0
## 2572   102699        10196        10223        4.0        5.0        6.0
## 2573   102700        10196        10224        3.0        7.0        6.0
## 2574   102701        10196        10225        3.0        3.0        5.0
## 2575   102702        10196        10226        6.0        9.0        7.0
## 2576   102703        10196        10227        3.0        4.0        5.0
## 2577   102704        10196        10228        9.0        8.0        8.0
## 2578   102705        10196        10229        3.0        6.0        5.0
## 2579   102706        10196        10230        3.0        6.0        5.0
## 2580   102707        10196        10231        6.0        8.0        8.0
## 2581   102708        10197        10212        8.0        6.0        7.0
## 2582   102709        10197        10213        5.0        6.0        6.0
## 2583   102710        10197        10214        8.0        7.0        7.0
## 2584   102711        10197        10215        9.0        6.0        7.0
## 2585   102712        10197        10216        4.0        4.0        6.0
## 2586   102713        10197        10217        6.0        6.0        6.0
## 2587   102714        10197        10218        8.0        6.0        7.0
## 2588   102715        10197        10219        8.0        6.0        7.0
## 2589   102716        10197        10220       10.0        7.0        9.0
## 2590   102717        10197        10221        9.0        7.0        8.0
## 2591   102718        10197        10222        8.0        5.0        5.0
## 2592   102719        10197        10223        5.0        6.0        8.0
## 2593   102720        10197        10224        7.0        6.0        6.0
## 2594   102721        10197        10225        8.0        8.0        8.0
## 2595   102722        10197        10226        6.0        6.0        7.0
## 2596   102723        10197        10227        5.0        3.0        6.0
## 2597   102724        10197        10228        8.0        6.0        6.0
## 2598   102725        10197        10229        9.0        4.0        6.0
## 2599   102726        10197        10230        6.0        5.0        6.0
## 2600   102727        10197        10231        9.0        7.0        8.0
## 2601   102728        10198        10212        9.0        5.0        6.0
## 2602   102729        10198        10213        8.0        7.0        7.0
## 2603   102730        10198        10214        8.0        8.0        8.0
## 2604   102731        10198        10215        7.0        7.0        7.0
## 2605   102732        10198        10216        7.0        6.0        7.0
## 2606   102733        10198        10217        7.0        7.0        7.0
## 2607   102734        10198        10218        9.0        9.0        9.0
## 2608   102735        10198        10219        7.0        6.0        7.0
## 2609   102736        10198        10220        8.0        6.0        4.0
## 2610   102737        10198        10221        8.0        9.0        8.0
## 2611   102738        10198        10222        9.0        6.0        6.0
## 2612   102739        10198        10223        7.0        7.0        8.0
## 2613   102740        10198        10224        7.0        7.0        8.0
## 2614   102741        10198        10225        8.0        7.0        8.0
## 2615   102742        10198        10226        4.0        7.0        7.0
## 2616   102743        10198        10227        8.0        8.0        6.0
## 2617   102744        10198        10228        6.0        6.0        6.0
## 2618   102745        10198        10229        8.0        8.0        7.0
## 2619   102746        10198        10230        8.0        8.0        9.0
## 2621   102748        10199        10212        9.0        7.0        8.0
## 2622   102749        10199        10213        6.0        8.0        9.0
```

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## 2623   102750        10199        10214          9.0        9.0         9.0
## 2624   102751        10199        10215          5.0        7.0         6.0
## 2625   102752        10199        10216          6.0        6.0         6.0
## 2626   102753        10199        10217          5.0        8.0         6.0
## 2627   102754        10199        10218         10.0       10.0        10.0
## 2628   102755        10199        10219          7.0        7.0         8.0
## 2629   102756        10199        10220          5.0        4.0         4.0
## 2630   102757        10199        10221          8.0        9.0         8.0
## 2631   102758        10199        10222          6.0        6.0         7.0
## 2632   102759        10199        10223          5.0        7.0         7.0
## 2633   102760        10199        10224          6.0        7.0         7.0
## 2634   102761        10199        10225          6.0        8.0         8.0
## 2635   102762        10199        10226          6.0        7.0         7.0
## 2636   102763        10199        10227          5.0        8.0         7.0
## 2637   102764        10199        10228          9.0        8.0         9.0
## 2638   102765        10199        10229          6.0        6.0         6.0
## 2639   102766        10199        10230          6.0        6.0         7.0
## 2640   102767        10199        10231          7.0        8.0         8.0
## 2641   102768        10200        10212          9.0        8.0         9.0
## 2642   102769        10200        10213          3.0        7.0         7.0
## 2643   102770        10200        10214          9.0        9.0         9.0
## 2644   102771        10200        10215          5.0        7.0         9.0
## 2645   102772        10200        10216          6.0        6.0         8.0
## 2646   102773        10200        10217          4.0        7.0         7.0
## 2647   102774        10200        10218          8.0        8.0         8.0
## 2648   102775        10200        10219          8.0        8.0         8.0
## 2649   102776        10200        10220          6.0        4.0         7.0
## 2650   102777        10200        10221          6.0        7.0         7.0
## 2651   102778        10200        10222          7.0        6.0         7.0
## 2652   102779        10200        10223          4.0        6.0         7.0
## 2653   102780        10200        10224          4.0        7.0         8.0
## 2654   102781        10200        10225          4.0        6.0         7.0
## 2655   102782        10200        10226          4.0        8.0         7.0
## 2656   102783        10200        10227          2.0        8.0         9.0
## 2657   102784        10200        10228          7.0        6.0         7.0
## 2658   102785        10200        10229          6.0        6.0         7.0
## 2659   102786        10200        10230          6.0        7.0         7.0
## 2660   102787        10200        10231          7.0        8.0         8.0
## 2661   102788        10201        10212          9.0        8.0         9.0
## 2662   102789        10201        10213          6.0        8.0         7.0
## 2663   102790        10201        10214          9.0        9.0         9.0
## 2664   102791        10201        10215          6.0        8.0         9.0
## 2665   102792        10201        10216          6.0        6.0         8.0
## 2666   102793        10201        10217          7.0        7.0         7.0
## 2667   102794        10201        10218          9.0        9.0         9.0
## 2668   102795        10201        10219          6.0        7.0         9.0
## 2669   102796        10201        10220          8.0        5.0         6.0
## 2670   102797        10201        10221          9.0        9.0         9.0
## 2671   102798        10201        10222          6.0        8.0         8.0
## 2672   102799        10201        10223          6.0        5.0         7.0
## 2673   102800        10201        10224          5.0        8.0         8.0
## 2674   102801        10201        10225          5.0        7.0         7.0
## 2675   102802        10201        10226          6.0        7.0         7.0
## 2676   102803        10201        10227          6.0        6.0         9.0
```

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## 2677   102804          10201          10228               7.0          7.0               8.0
## 2678   102805          10201          10229               8.0          8.0               8.0
## 2679   102806          10201          10230               7.0          8.0               8.0
## 2680   102807          10201          10231               8.0          8.0               8.0
## 2681   102808          10202          10212               9.0          7.0               8.0
## 2682   102809          10202          10213               6.0          7.0               7.0
## 2683   102810          10202          10214               7.0         10.0              10.0
## 2684   102811          10202          10215               4.0          6.0               7.0
## 2685   102812          10202          10216               6.0          5.0               5.0
## 2686   102813          10202          10217               6.0          6.0               8.0
## 2687   102814          10202          10218               7.0          8.0               8.0
## 2688   102815          10202          10219               4.0          5.0               6.0
## 2689   102816          10202          10220               7.0          6.0               2.0
## 2690   102817          10202          10221               8.0          8.0               8.0
## 2691   102818          10202          10222               6.0          2.0               3.0
## 2692   102819          10202          10223               7.0          7.0               7.0
## 2693   102820          10202          10224               3.0          3.0               5.0
## 2694   102821          10202          10225               4.0          4.0               5.0
## 2695   102822          10202          10226               4.0          7.0               5.0
## 2696   102823          10202          10227               3.0          5.0               8.0
## 2697   102824          10202          10228               5.0          8.0               8.0
## 2698   102825          10202          10229               6.0          3.0               6.0
## 2699   102826          10202          10230               6.0          7.0               6.0
## 2700   102827          10202          10231               7.0          8.0               8.0
## 2701   102828          10203          10212              10.0          9.0               8.0
## 2702   102829          10203          10213               6.0          8.0               8.0
## 2703   102830          10203          10214               7.0          8.0               7.0
## 2704   102831          10203          10215               5.0          6.0               5.0
## 2705   102832          10203          10216               6.0          6.0               7.0
## 2706   102833          10203          10217               8.0          7.0               7.0
## 2707   102834          10203          10218               8.0         10.0              10.0
## 2708   102835          10203          10219               5.0          5.0               7.0
## 2709   102836          10203          10220               7.0          5.0               6.0
## 2710   102837          10203          10221               8.0          8.0               8.0
## 2711   102838          10203          10222               5.0          1.0               5.0
## 2712   102839          10203          10223               7.0          4.0               5.0
## 2713   102840          10203          10224               3.0          7.0               7.0
## 2714   102841          10203          10225               3.0          5.0               6.0
## 2715   102842          10203          10226               6.0          7.0               7.0
## 2716   102843          10203          10227               3.0          5.0               4.0
## 2717   102844          10203          10228               6.0          8.0               8.0
## 2718   102845          10203          10229               7.0          6.0               8.0
## 2719   102846          10203          10230               8.0          9.0               8.0
## 2720   102847          10203          10231               7.0          7.0               6.0
## 2721   102848          10204          10212               7.0          8.0               8.0
## 2722   102849          10204          10213               6.0          8.0               7.0
## 2723   102850          10204          10214               5.0         10.0               8.0
## 2724   102851          10204          10215               3.0          7.0               7.0
## 2725   102852          10204          10216               5.0          7.0               8.0
## 2726   102853          10204          10217               5.0          6.0               6.0
## 2727   102854          10204          10218              10.0         10.0              10.0
## 2728   102855          10204          10219               6.0          6.0               7.0
## 2729   102856          10204          10220               6.0          5.0               6.0
## 2730   102857          10204          10221              10.0          9.0              10.0
```

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## 2731   102858        10204       10222          6.0          7.0            8.0
## 2732   102859        10204       10223          6.0          8.0            8.0
## 2733   102860        10204       10224          6.0          8.0            8.0
## 2734   102861        10204       10225          4.0          5.0            6.0
## 2735   102862        10204       10226          7.0          7.0            7.0
## 2736   102863        10204       10227          3.0          9.0            8.0
## 2737   102864        10204       10228          6.0          8.0            9.0
## 2738   102865        10204       10229          5.0          9.0            9.0
## 2739   102866        10204       10230          6.0          7.0            6.0
## 2740   102867        10204       10231          7.0          7.0            7.0
## 2741   102868        10205       10212         10.0          8.0            8.0
## 2742   102869        10205       10213          8.0          7.0            4.0
## 2743   102870        10205       10214         10.0         10.0           10.0
## 2744   102871        10205       10215          9.0          7.0            6.0
## 2745   102872        10205       10216          6.0          5.0            6.0
## 2746   102873        10205       10217          8.0          6.0            8.0
## 2747   102874        10205       10218         10.0          9.0           10.0
## 2748   102875        10205       10219          8.0          7.0            7.0
## 2749   102876        10205       10220          8.0          4.0            8.0
## 2750   102877        10205       10221         10.0          7.0            6.0
## 2751   102878        10205       10222          8.0          6.0            6.0
## 2752   102879        10205       10223          9.0          6.0            5.0
## 2753   102880        10205       10224          9.0          7.0            7.0
## 2754   102881        10205       10225          8.0          8.0            7.0
## 2755   102882        10205       10226          7.0          5.0            6.0
## 2756   102883        10205       10227          8.0          5.0            5.0
## 2757   102884        10205       10228          9.0          7.0            7.0
## 2758   102885        10205       10229          7.0          4.0            5.0
## 2759   102886        10205       10230          8.0          7.0            7.0
## 2760   102887        10205       10231          9.0          8.0            8.0
## 2761   102888        10206       10212          8.0          9.0            8.0
## 2762   102889        10206       10213          7.0          7.0            5.0
## 2763   102890        10206       10214          8.0          9.0            9.0
## 2764   102891        10206       10215          7.0          8.0            8.0
## 2765   102892        10206       10216          7.0          6.0            6.0
## 2766   102893        10206       10217          7.0          7.0            7.0
## 2767   102894        10206       10218          9.0          9.0            9.0
## 2768   102895        10206       10219          7.0          7.0            7.0
## 2769   102896        10206       10220          8.0          7.0            7.0
## 2770   102897        10206       10221         10.0          8.0            8.0
## 2771   102898        10206       10222          7.0          6.0            5.0
## 2772   102899        10206       10223          8.0         10.0            9.0
## 2773   102900        10206       10224          8.0          7.0            8.0
## 2774   102901        10206       10225          8.0          8.0            8.0
## 2775   102902        10206       10226          8.0          6.0            6.0
## 2776   102903        10206       10227          6.0          8.0            7.0
## 2777   102904        10206       10228          9.0          8.0            7.0
## 2778   102905        10206       10229          8.0          8.0            7.0
## 2779   102906        10206       10230          7.0          7.0            8.0
## 2780   102907        10206       10231          7.0          8.0            8.0
## 2781   102908        10207       10212          7.0          8.0            8.0
## 2782   102909        10207       10213          4.0          5.0            6.0
## 2783   102910        10207       10214          6.0          9.0            9.0
## 2784   102911        10207       10215          4.0          7.0            7.0
```

```
## 2785   102912        10207      10216          3.0       4.0           5.0
## 2786   102913        10207      10217          5.0       7.0           6.0
## 2787   102914        10207      10218          9.0       9.0           9.0
## 2788   102915        10207      10219          4.0       8.0           6.0
## 2789   102916        10207      10220          6.0       4.0           5.0
## 2790   102917        10207      10221          8.0       9.0           6.0
## 2791   102918        10207      10222          5.0       8.0           6.0
## 2792   102919        10207      10223          6.0       8.0           7.0
## 2793   102920        10207      10224          5.0       8.0           8.0
## 2794   102921        10207      10225          4.0       7.0           7.0
## 2795   102922        10207      10226          6.0       7.0           7.0
## 2796   102923        10207      10227          3.0       9.0           8.0
## 2797   102924        10207      10228          5.0       8.0           6.0
## 2798   102925        10207      10229          6.0       6.0           6.0
## 2799   102926        10207      10230          6.0       7.0           7.0
## 2801   102928        10208      10212          9.0       8.0           8.0
## 2802   102929        10208      10213          7.0       8.0           7.0
## 2803   102930        10208      10214          8.0       9.0           9.0
## 2804   102931        10208      10215          4.0       7.0           7.0
## 2805   102932        10208      10216          4.0       4.0           6.0
## 2806   102933        10208      10217          4.0       7.0           6.0
## 2807   102934        10208      10218          9.0       9.0           9.0
## 2808   102935        10208      10219          5.0       7.0           7.0
## 2809   102936        10208      10220          7.0       6.0           9.0
## 2810   102937        10208      10221          9.0       9.0           9.0
## 2811   102938        10208      10222          3.0       3.0           8.0
## 2812   102939        10208      10223          5.0       6.0           5.0
## 2813   102940        10208      10224          6.0       9.0           9.0
## 2814   102941        10208      10225          5.0       8.0           7.0
## 2815   102942        10208      10226          6.0       6.0           6.0
## 2816   102943        10208      10227          6.0       8.0           7.0
## 2817   102944        10208      10228          5.0       8.0           8.0
## 2818   102945        10208      10229          6.0       7.0           7.0
## 2819   102946        10208      10230          6.0       7.0           7.0
## 2820   102947        10208      10231          8.0       8.0           8.0
## 2821   102948        10209      10212          8.0       7.0           7.0
## 2822   102949        10209      10213          7.0       7.0           8.0
## 2823   102950        10209      10214          9.0       8.0           9.0
## 2824   102951        10209      10215          6.0       6.0           6.0
## 2825   102952        10209      10216          5.0       5.0           4.0
## 2826   102953        10209      10217          6.0       5.0           7.0
## 2827   102954        10209      10218         10.0      10.0          10.0
## 2828   102955        10209      10219          6.0       5.0           6.0
## 2829   102956        10209      10220          8.0       5.0           7.0
## 2830   102957        10209      10221          9.0       8.0           9.0
## 2831   102958        10209      10222          6.0       5.0           5.0
## 2832   102959        10209      10223          6.0       7.0           7.0
## 2833   102960        10209      10224          6.0       8.0           8.0
## 2834   102961        10209      10225          6.0       6.0           6.0
## 2835   102962        10209      10226          6.0       6.0           6.0
## 2836   102963        10209      10227          6.0       5.0           5.0
## 2837   102964        10209      10228          9.0       7.0           7.0
## 2838   102965        10209      10229          7.0       5.0           6.0
## 2839   102966        10209      10230          9.0       8.0           8.0
```

```
## 2840   102967        10209       10231         9.0        8.0            7.0
## 2841   102968        10210       10212         9.0        9.0            9.0
## 2842   102969        10210       10213         6.0        8.0            7.0
## 2843   102970        10210       10214         9.0        8.0            9.0
## 2844   102971        10210       10215         6.0       10.0            8.0
## 2845   102972        10210       10216         6.0        5.0            6.0
## 2846   102973        10210       10217         8.0        8.0            8.0
## 2847   102974        10210       10218         6.0        8.0            9.0
## 2848   102975        10210       10219         5.0        8.0            8.0
## 2849   102976        10210       10220         8.0        6.0            6.0
## 2850   102977        10210       10221         9.0        7.0            8.0
## 2851   102978        10210       10222         8.0        8.0            6.0
## 2852   102979        10210       10223         3.0        5.0            5.0
## 2853   102980        10210       10224         8.0        7.0            8.0
## 2854   102981        10210       10225         6.0        8.0            8.0
## 2855   102982        10210       10226         7.0        6.0            7.0
## 2856   102983        10210       10227         4.0        8.0            7.0
## 2857   102984        10210       10228         7.0        6.0            6.0
## 2858   102985        10210       10229         6.0        8.0            7.0
## 2859   102986        10210       10230        10.0        9.0            9.0
## 2860   102987        10210       10231         8.0        8.0            8.0
## 2861   102988        10211       10212         8.0        8.0            8.0
## 2862   102989        10211       10213         4.0        8.0            4.0
## 2863   102990        10211       10214         9.0        9.0            9.0
## 2864   102991        10211       10215         7.0        6.0            7.0
## 2865   102992        10211       10216         6.0        6.0            6.0
## 2866   102993        10211       10217         7.0        6.0            7.0
## 2867   102994        10211       10218         9.0       10.0            9.0
## 2868   102995        10211       10219         5.0        7.0            7.0
## 2869   102996        10211       10220         6.0        5.0            5.0
## 2870   102997        10211       10221         8.0        7.0            8.0
## 2871   102998        10211       10222         9.0        7.0            7.0
## 2872   102999        10211       10223         7.0        7.0            8.0
## 2873   103000        10211       10224         6.0        7.0            6.0
## 2874   103001        10211       10225         6.0        8.0            8.0
## 2875   103002        10211       10226         7.0        5.0            6.0
## 2876   103003        10211       10227         6.0        8.0            5.0
## 2877   103004        10211       10228         9.0        8.0            8.0
## 2878   103005        10211       10229         7.0        7.0            7.0
## 2879   103006        10211       10230         8.0        9.0            9.0
## 2880   103007        10211       10231         8.0        8.0            8.0
## 2881   103008        10212       10192         7.0        8.0           10.0
## 2882   103009        10212       10193         8.0        7.0           10.0
## 2883   103010        10212       10194         5.0        8.0            7.0
## 2884   103011        10212       10195         7.0        7.0            7.0
## 2885   103012        10212       10196         4.0        5.0            5.0
## 2886   103013        10212       10197         2.0       10.0           10.0
## 2887   103014        10212       10198         7.0       10.0           10.0
## 2888   103015        10212       10199         7.0        7.0            8.0
## 2889   103016        10212       10200         7.0        9.0            8.0
## 2890   103017        10212       10201         3.0        6.0            7.0
## 2891   103018        10212       10202         5.0        6.0            7.0
## 2892   103019        10212       10203         5.0        6.0            7.0
## 2893   103020        10212       10204         5.0        7.0            7.0
```

```
## 2894   103021          10212          10205          4.0          6.0               6.0
## 2895   103022          10212          10206          5.0          8.0               8.0
## 2896   103023          10212          10207          6.0          5.0               5.0
## 2897   103024          10212          10208          7.0         10.0               4.0
## 2898   103025          10212          10209          6.0          8.0              10.0
## 2899   103026          10212          10210          6.0          7.0               8.0
## 2900   103027          10212          10211          8.0          9.0              10.0
## 2901   103028          10213          10192          9.0          9.0               9.0
## 2902   103029          10213          10193          7.0          8.0               9.0
## 2903   103030          10213          10194          5.0          6.0               7.0
## 2904   103031          10213          10195          8.0          8.0               8.0
## 2905   103032          10213          10196          4.0          5.0               5.0
## 2906   103033          10213          10197          6.0          6.0               8.0
## 2907   103034          10213          10198          6.0          8.0               8.0
## 2908   103035          10213          10199          7.0          8.0               8.0
## 2909   103036          10213          10200          7.0          8.0               7.0
## 2910   103037          10213          10201          7.0          6.0               6.0
## 2911   103038          10213          10202          7.0          7.0               9.0
## 2912   103039          10213          10203         10.0          8.0               8.0
## 2913   103040          10213          10204          7.0          7.0               7.0
## 2914   103041          10213          10205          6.0          9.0              10.0
## 2915   103042          10213          10206         10.0         10.0              10.0
## 2916   103043          10213          10207          8.0          7.0               8.0
## 2917   103044          10213          10208          7.0          8.0               8.0
## 2918   103045          10213          10209          4.0          7.0               8.0
## 2919   103046          10213          10210          7.0          6.0               8.0
## 2920   103047          10213          10211          6.0          9.0               9.0
## 2921   103048          10214          10192          4.0          8.0               8.0
## 2922   103049          10214          10193          5.0          8.0               7.0
## 2923   103050          10214          10194          2.0          3.0               5.0
## 2924   103051          10214          10195          7.0          6.0               7.0
## 2925   103052          10214          10196          3.0          4.0               5.0
## 2926   103053          10214          10197          1.0          6.0               6.0
## 2927   103054          10214          10198          3.0          7.0               7.0
## 2928   103055          10214          10199          3.0          8.0               8.0
## 2929   103056          10214          10200          5.0          8.0               7.0
## 2930   103057          10214          10201          2.0          5.0               6.0
## 2931   103058          10214          10202          3.0          8.0              10.0
## 2932   103059          10214          10203          2.0          8.0               4.0
## 2933   103060          10214          10204          2.0          8.0               8.0
## 2934   103061          10214          10205          3.0          8.0               8.0
## 2935   103062          10214          10206          5.0          5.0              10.0
## 2936   103063          10214          10207          5.0          6.0               7.0
## 2937   103064          10214          10208          1.0          1.0               1.0
## 2938   103065          10214          10209          4.0          9.0              10.0
## 2939   103066          10214          10210          6.0          7.0               8.0
## 2940   103067          10214          10211          6.0          8.0               9.0
## 2941   103068          10215          10192          8.0          8.0              10.0
## 2942   103069          10215          10193          9.0          6.0              10.0
## 2943   103070          10215          10194          6.0          8.0               7.0
## 2944   103071          10215          10195          8.0          9.0               9.0
## 2945   103072          10215          10196          6.0          5.0               7.0
## 2946   103073          10215          10197          9.0          9.0               9.0
## 2947   103074          10215          10198          8.0         10.0              10.0
```

```
## 2948  103075         10215     10199         7.0       8.0         10.0
## 2949  103076         10215     10200         9.0       8.0          9.0
## 2950  103077         10215     10201        10.0       7.0          9.0
## 2951  103078         10215     10202         9.0       8.0         10.0
## 2952  103079         10215     10203        10.0      10.0         10.0
## 2953  103080         10215     10204         9.0       5.0          9.0
## 2954  103081         10215     10205         7.0       8.0         10.0
## 2955  103082         10215     10206         6.0       8.0          8.0
## 2956  103083         10215     10207         6.0       6.0          9.0
## 2957  103084         10215     10208         9.0       7.0          9.0
## 2958  103085         10215     10209         5.0       7.0          9.0
## 2959  103086         10215     10210         7.0      10.0         10.0
## 2960  103087         10215     10211         8.0       8.0          9.0
## 2961  103088         10216     10192         8.0       9.0         10.0
## 2962  103089         10216     10193         6.0      10.0         10.0
## 2963  103090         10216     10194         2.0       3.0          3.0
## 2964  103091         10216     10195         7.0       8.0          7.0
## 2965  103092         10216     10196         5.0       4.0          5.0
## 2966  103093         10216     10197         4.0       9.0          9.0
## 2967  103094         10216     10198         6.0       7.0          9.0
## 2968  103095         10216     10199         2.0       8.0          7.0
## 2969  103096         10216     10200         6.0       8.0          9.0
## 2970  103097         10216     10201         7.0       5.0         10.0
## 2971  103098         10216     10202         5.0       7.0          9.0
## 2972  103099         10216     10203         5.0       8.0          8.0
## 2973  103100         10216     10204         7.0       7.0          7.0
## 2974  103101         10216     10205         6.0       9.0          8.0
## 2975  103102         10216     10206         5.0       8.0         10.0
## 2976  103103         10216     10207         5.0       7.0          5.0
## 2977  103104         10216     10208         6.0      10.0          7.0
## 2978  103105         10216     10209         3.0       7.0         10.0
## 2979  103106         10216     10210         6.0       7.0          7.0
## 2980  103107         10216     10211         7.0       8.0          9.0
## 2981  103108         10217     10192         8.0       9.0          8.0
## 2982  103109         10217     10193         9.0      10.0          9.0
## 2983  103110         10217     10194         6.0       7.0          7.0
## 2984  103111         10217     10195         7.0       7.0          8.0
## 2985  103112         10217     10196         5.0       4.0          5.0
## 2986  103113         10217     10197         9.0      10.0         10.0
## 2987  103114         10217     10198         7.0       9.0          8.0
## 2988  103115         10217     10199         7.0       7.0          7.0
## 2989  103116         10217     10200         8.0       8.0          9.0
## 2990  103117         10217     10201         8.0       6.0          9.0
## 2991  103118         10217     10202         7.0       8.0          9.0
## 2992  103119         10217     10203         6.0       6.0          6.0
## 2993  103120         10217     10204         7.0       7.0          7.0
## 2994  103121         10217     10205         9.0       9.0          9.0
## 2995  103122         10217     10206         8.0       9.0          9.0
## 2996  103123         10217     10207         6.0       5.0          7.0
## 2997  103124         10217     10208         9.0       8.0          5.0
## 2998  103125         10217     10209         6.0      10.0          9.0
## 2999  103126         10217     10210         8.0       8.0          9.0
## 3000  103127         10217     10211         8.0       8.0          8.0
## 3001  103128         10218     10192         6.0      10.0         10.0
```

```
## 3002  103129        10218        10193        5.0     10.0        9.0
## 3003  103130        10218        10194        4.0      4.0        3.0
## 3004  103131        10218        10195        7.0      7.0        7.0
## 3005  103132        10218        10196        3.0      2.0        8.0
## 3006  103133        10218        10197        2.0     10.0        8.0
## 3007  103134        10218        10198        6.0     10.0        9.0
## 3008  103135        10218        10199        3.0      8.0        8.0
## 3009  103136        10218        10200        5.0      9.0        9.0
## 3010  103137        10218        10201        3.0      9.0        9.0
## 3011  103138        10218        10202        4.0      7.0        9.0
## 3012  103139        10218        10203        8.0      8.0        8.0
## 3013  103140        10218        10204        9.0     10.0       10.0
## 3014  103141        10218        10205        7.0      9.0       10.0
## 3015  103142        10218        10206        5.0     10.0       10.0
## 3016  103143        10218        10207        5.0      7.0        6.0
## 3017  103144        10218        10208        5.0     10.0       10.0
## 3018  103145        10218        10209        6.0     10.0       10.0
## 3019  103146        10218        10210        6.0      6.0        7.0
## 3020  103147        10218        10211        6.0      7.0        7.0
## 3021  103148        10219        10192        8.0     10.0       10.0
## 3022  103149        10219        10193        7.0      8.0        7.0
## 3023  103150        10219        10194        3.0      6.0        4.0
## 3024  103151        10219        10195        7.0      7.0        7.0
## 3025  103152        10219        10196        3.0      5.0        6.0
## 3026  103153        10219        10197        5.0     10.0        9.0
## 3027  103154        10219        10198        7.0      9.0        8.0
## 3028  103155        10219        10199        7.0      7.0        7.0
## 3029  103156        10219        10200        6.0      9.0        9.0
## 3030  103157        10219        10201        3.0      7.0        8.0
## 3031  103158        10219        10202        4.0      7.0        9.0
## 3032  103159        10219        10203        8.0      8.0        8.0
## 3033  103160        10219        10204        8.0      7.0        8.0
## 3034  103161        10219        10205        6.0      7.0        9.0
## 3035  103162        10219        10206        5.0      7.0       10.0
## 3036  103163        10219        10207        8.0      7.0        9.0
## 3037  103164        10219        10208        5.0      8.0        8.0
## 3038  103165        10219        10209        6.0     10.0       10.0
## 3039  103166        10219        10210        7.0      7.0        8.0
## 3040  103167        10219        10211        8.0      9.0       10.0
## 3041  103168        10220        10192        3.0     10.0        9.0
## 3042  103169        10220        10193        4.0      5.0       10.0
## 3043  103170        10220        10194        2.0      6.0        4.0
## 3044  103171        10220        10195        7.0      7.0        7.0
## 3045  103172        10220        10196        2.0      3.0        4.0
## 3046  103173        10220        10197        2.0      9.0        9.0
## 3047  103174        10220        10198        3.0      9.0       10.0
## 3048  103175        10220        10199        1.0      7.0        7.0
## 3049  103176        10220        10200        2.0      9.0       10.0
## 3050  103177        10220        10201        3.0      9.0       10.0
## 3051  103178        10220        10202        1.0      6.0        8.0
## 3052  103179        10220        10203        3.0     10.0       10.0
## 3053  103180        10220        10204        4.0     10.0       10.0
## 3054  103181        10220        10205        1.0      1.0        1.0
## 3055  103182        10220        10206        5.0      7.0       10.0
```

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## 3056   103183          10220          10207             3.0        7.0             7.0
## 3057   103184          10220          10208             3.0        7.0             9.0
## 3058   103185          10220          10209             4.0       10.0            10.0
## 3059   103186          10220          10210             5.0        8.0             8.0
## 3060   103187          10220          10211             6.0        8.0             9.0
## 3061   103188          10221          10192             6.0       10.0            10.0
## 3062   103189          10221          10193             6.0        8.0            10.0
## 3063   103190          10221          10194             2.0        7.0             7.0
## 3064   103191          10221          10195             7.0        7.0             7.0
## 3065   103192          10221          10196             4.0        4.0             4.0
## 3066   103193          10221          10197             2.0       10.0            10.0
## 3067   103194          10221          10198             6.0       10.0             8.0
## 3068   103195          10221          10199             6.0        8.0             9.0
## 3069   103196          10221          10200             8.0        9.0             9.0
## 3070   103197          10221          10201             5.0        8.0             8.0
## 3071   103198          10221          10202             6.0        6.0             7.0
## 3072   103199          10221          10203             6.0        7.0             6.0
## 3073   103200          10221          10204             8.0        8.0             8.0
## 3074   103201          10221          10205             3.0        8.0             7.0
## 3075   103202          10221          10206             5.0        5.0             5.0
## 3076   103203          10221          10207             5.0        7.0             5.0
## 3077   103204          10221          10208             4.0       10.0             8.0
## 3078   103205          10221          10209             5.0       10.0             9.0
## 3079   103206          10221          10210             6.0        7.0             8.0
## 3080   103207          10221          10211             7.0        8.0             8.0
## 3081   103208          10222          10192             7.0        9.0            10.0
## 3082   103209          10222          10193             8.0        8.0            10.0
## 3083   103210          10222          10194             2.0        5.0             3.0
## 3084   103211          10222          10195             8.0        8.0             8.0
## 3085   103212          10222          10196             4.0        5.0             5.0
## 3086   103213          10222          10197             3.0       10.0            10.0
## 3087   103214          10222          10198             7.0       10.0             9.0
## 3088   103215          10222          10199             4.0        7.0             8.0
## 3089   103216          10222          10200             4.0        9.0             9.0
## 3090   103217          10222          10201             4.0        7.0             9.0
## 3091   103218          10222          10202             5.0        6.0             7.0
## 3092   103219          10222          10203            10.0       10.0            10.0
## 3093   103220          10222          10204             7.0        7.0             7.0
## 3094   103221          10222          10205             4.0        8.0             7.0
## 3095   103222          10222          10206            10.0       10.0            10.0
## 3096   103223          10222          10207             7.0        7.0            10.0
## 3097   103224          10222          10208             7.0       10.0            10.0
## 3098   103225          10222          10209             5.0        9.0             9.0
## 3099   103226          10222          10210             7.0        8.0             8.0
## 3100   103227          10222          10211             6.0        8.0             8.0
## 3101   103228          10223          10192             7.0       10.0            10.0
## 3102   103229          10223          10193             6.0        7.0             8.0
## 3103   103230          10223          10194             3.0        4.0             4.0
## 3104   103231          10223          10195             7.0        7.0             7.0
## 3105   103232          10223          10196             4.0        6.0             7.0
## 3106   103233          10223          10197             7.0       10.0             8.0
## 3107   103234          10223          10198             7.0        9.0             8.0
## 3108   103235          10223          10199             5.0        8.0             8.0
## 3109   103236          10223          10200             7.0        9.0             9.0
```

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## 3110   103237        10223      10201         6.0         9.0            8.0
## 3111   103238        10223      10202         7.0         9.0            8.0
## 3112   103239        10223      10203         6.0         8.0            8.0
## 3113   103240        10223      10204         4.0         9.0            9.0
## 3114   103241        10223      10205         7.0         6.0            7.0
## 3115   103242        10223      10206         5.0         8.0            8.0
## 3116   103243        10223      10207         5.0         6.0            8.0
## 3117   103244        10223      10208         7.0        10.0           10.0
## 3118   103245        10223      10209         7.0         9.0            8.0
## 3119   103246        10223      10210         7.0         7.0            8.0
## 3120   103247        10223      10211         8.0         8.0            8.0
## 3121   103248        10224      10192        10.0         8.0            8.0
## 3122   103249        10224      10193        10.0         9.0            9.0
## 3123   103250        10224      10194         5.0         4.0            5.0
## 3124   103251        10224      10195         7.0         8.0            8.0
## 3125   103252        10224      10196         8.0         7.0            7.0
## 3126   103253        10224      10197         8.0         7.0            8.0
## 3127   103254        10224      10198         7.0         8.0            8.0
## 3128   103255        10224      10199         9.0         7.0            8.0
## 3129   103256        10224      10200         9.0         8.0            8.0
## 3130   103257        10224      10201        10.0         8.0            8.0
## 3131   103258        10224      10202         9.0         9.0            8.0
## 3132   103259        10224      10203         9.0         7.0            6.0
## 3133   103260        10224      10204         7.0         7.0            7.0
## 3134   103261        10224      10205        10.0         9.0            9.0
## 3135   103262        10224      10206         9.0         9.0            9.0
## 3136   103263        10224      10207         8.0         7.0            8.0
## 3137   103264        10224      10208        10.0        10.0            8.0
## 3138   103265        10224      10209        10.0         8.0            8.0
## 3139   103266        10224      10210         8.0         7.0            8.0
## 3140   103267        10224      10211         9.0         8.0           10.0
## 3141   103268        10225      10192        10.0         8.0            7.0
## 3142   103269        10225      10193         9.0         7.0            7.0
## 3143   103270        10225      10194         5.0         5.0            4.0
## 3144   103271        10225      10195         7.0         7.0            7.0
## 3145   103272        10225      10196         5.0         5.0            5.0
## 3146   103273        10225      10197         4.0        10.0           10.0
## 3147   103274        10225      10198         7.0         8.0            7.0
## 3148   103275        10225      10199         6.0         7.0            7.0
## 3149   103276        10225      10200         8.0         7.0            8.0
## 3150   103277        10225      10201         8.0         6.0            8.0
## 3151   103278        10225      10202         7.0         7.0            6.0
## 3152   103279        10225      10203         2.0         7.0            5.0
## 3153   103280        10225      10204         8.0         8.0            8.0
## 3154   103281        10225      10205         8.0        10.0            7.0
## 3155   103282        10225      10206         8.0         9.0            9.0
## 3156   103283        10225      10207         8.0         8.0            8.0
## 3157   103284        10225      10208         6.0         6.0            5.0
## 3158   103285        10225      10209         7.0         6.0            8.0
## 3159   103286        10225      10210         8.0         7.0            8.0
## 3160   103287        10225      10211         8.0         8.0           10.0
## 3161   103288        10226      10192         7.0        10.0           10.0
## 3162   103289        10226      10193         8.0         9.0           10.0
## 3163   103290        10226      10194         2.0         5.0            3.0
```

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## 3164   103291        10226       10195           7.0         7.0             7.0
## 3165   103292        10226       10196           8.0         8.0             8.0
## 3166   103293        10226       10197           5.0         9.0             9.0
## 3167   103294        10226       10198           5.0        10.0             9.0
## 3168   103295        10226       10199           5.0         8.0             8.0
## 3169   103296        10226       10200           4.0         9.0             9.0
## 3170   103297        10226       10201           6.0         7.0            10.0
## 3171   103298        10226       10202           2.0         6.0             5.0
## 3172   103299        10226       10203           5.0         9.0             9.0
## 3173   103300        10226       10204           7.0         8.0             9.0
## 3174   103301        10226       10205           6.0         6.0             8.0
## 3175   103302        10226       10206           5.0         8.0             8.0
## 3176   103303        10226       10207           5.0         6.0             7.0
## 3177   103304        10226       10208           5.0         8.0             7.0
## 3178   103305        10226       10209           7.0        10.0            10.0
## 3179   103306        10226       10210           6.0        10.0            10.0
## 3180   103307        10226       10211           6.0         8.0             9.0
## 3181   103308        10227       10192           8.0         9.0             8.0
## 3182   103309        10227       10193           8.0         8.0             9.0
## 3183   103310        10227       10194           3.0         3.0             5.0
## 3184   103311        10227       10195           7.0         7.0             7.0
## 3185   103312        10227       10196           6.0         6.0             8.0
## 3186   103313        10227       10197           2.0         2.0            10.0
## 3187   103314        10227       10198           7.0        10.0             8.0
## 3188   103315        10227       10199           7.0         7.0             8.0
## 3189   103316        10227       10200           9.0         9.0             9.0
## 3190   103317        10227       10201           8.0         3.0             9.0
## 3191   103318        10227       10202           8.0         7.0             8.0
## 3192   103319        10227       10203          10.0         8.0             6.0
## 3193   103320        10227       10204           8.0         8.0             8.0
## 3194   103321        10227       10205           7.0         9.0             9.0
## 3195   103322        10227       10206           8.0         8.0             8.0
## 3196   103323        10227       10207           8.0         7.0             8.0
## 3197   103324        10227       10208          10.0         9.0             9.0
## 3198   103325        10227       10209           7.0         8.0             9.0
## 3199   103326        10227       10210           7.0         7.0             9.0
## 3200   103327        10227       10211           8.0         9.0            10.0
## 3201   103328        10228       10192           6.0        10.0             9.0
## 3202   103329        10228       10193           6.0         7.0             6.0
## 3203   103330        10228       10194           2.0         3.0             3.0
## 3204   103331        10228       10195           7.0         7.0             7.0
## 3205   103332        10228       10196           5.0         5.0             5.0
## 3206   103333        10228       10197           2.0         4.0             4.0
## 3207   103334        10228       10198           8.0         7.0             7.0
## 3208   103335        10228       10199           8.0         8.0             8.0
## 3209   103336        10228       10200           5.0         9.0             8.0
## 3210   103337        10228       10201           4.0         6.0             6.0
## 3211   103338        10228       10202           6.0         8.0             7.0
## 3212   103339        10228       10203           5.0         5.0             6.0
## 3213   103340        10228       10204           7.0         7.0             7.0
## 3214   103341        10228       10205           4.0         7.0             6.0
## 3215   103342        10228       10206           9.0         9.0             9.0
## 3216   103343        10228       10207           5.0         5.0             7.0
## 3217   103344        10228       10208           8.0        10.0             7.0
```

```
## 3218   103345        10228        10209         6.0        9.0          8.0
## 3219   103346        10228        10210         6.0        6.0          6.0
## 3220   103347        10228        10211         5.0        8.0          8.0
## 3221   103348        10229        10192         8.0       10.0          9.0
## 3222   103349        10229        10193         6.0       10.0          9.0
## 3223   103350        10229        10194         3.0        6.0          7.0
## 3224   103351        10229        10195        10.0       10.0         10.0
## 3225   103352        10229        10196         5.0        5.0          5.0
## 3226   103353        10229        10197         3.0        3.0          3.0
## 3227   103354        10229        10198         5.0        7.0          8.0
## 3228   103355        10229        10199         8.0        8.0          8.0
## 3229   103356        10229        10200         6.0        8.0          8.0
## 3230   103357        10229        10201         5.0        5.0          8.0
## 3231   103358        10229        10202         7.0        7.0          9.0
## 3232   103359        10229        10203         4.0        5.0          5.0
## 3233   103360        10229        10204         7.0        7.0          7.0
## 3234   103361        10229        10205         4.0        5.0          4.0
## 3235   103362        10229        10206         5.0        9.0          9.0
## 3236   103363        10229        10207         8.0        8.0          8.0
## 3237   103364        10229        10208         5.0        2.0          3.0
## 3238   103365        10229        10209         7.0        8.0          9.0
## 3239   103366        10229        10210         7.0        7.0          7.0
## 3240   103367        10229        10211         6.0       10.0         10.0
## 3241   103368        10230        10192         5.0       10.0          9.0
## 3242   103369        10230        10193         5.0        6.0          7.0
## 3243   103370        10230        10194         3.0        5.0          4.0
## 3244   103371        10230        10195        10.0       10.0         10.0
## 3245   103372        10230        10196         4.0        4.0          4.0
## 3246   103373        10230        10197         2.0        9.0          7.0
## 3247   103374        10230        10198         5.0        9.0          7.0
## 3248   103375        10230        10199         4.0        8.0          8.0
## 3249   103376        10230        10200         7.0        9.0          9.0
## 3250   103377        10230        10201         5.0        6.0          8.0
## 3251   103378        10230        10202         6.0        8.0          8.0
## 3252   103379        10230        10203         6.0        8.0          6.0
## 3253   103380        10230        10204         4.0        9.0          7.0
## 3254   103381        10230        10205         4.0        6.0          6.0
## 3255   103382        10230        10206         5.0        9.0          9.0
## 3256   103383        10230        10207         5.0        7.0          7.0
## 3257   103384        10230        10208         3.0        9.0          9.0
## 3258   103385        10230        10209         5.0       10.0         10.0
## 3259   103386        10230        10210         6.0        6.0          7.0
## 3260   103387        10230        10211         6.0        7.0          7.0
## 3261   103388        10231        10192         6.0        7.0          9.0
## 3262   103389        10231        10193         6.0        9.0         10.0
## 3263   103390        10231        10194         2.0        8.0          7.0
## 3264   103391        10231        10195         7.0        7.0          7.0
## 3265   103392        10231        10196         4.0        6.0          6.0
## 3266   103393        10231        10197         8.0       10.0         10.0
## 3267   103394        10231        10198         6.0        7.0          7.0
## 3268   103395        10231        10199         4.0        8.0          8.0
## 3269   103396        10231        10200         7.0        8.0          8.0
## 3270   103397        10231        10201         6.0       10.0          9.0
## 3271   103398        10231        10202         6.0        8.0          9.0
```

```
## 3272   103399          10231      10203          6.0       8.0            7.0
## 3273   103400          10231      10204          1.0       7.0            7.0
## 3274   103401          10231      10205          9.0       8.0            8.0
## 3275   103402          10231      10206          6.0       8.0            8.0
## 3276   103403          10231      10207          5.0       7.0            7.0
## 3277   103404          10231      10208          4.0       2.0            2.0
## 3278   103405          10231      10209          5.0       5.0            7.0
## 3279   103406          10231      10210          6.0       7.0            7.0
## 3280   103407          10231      10211          8.0       8.0            8.0
## 3281   103408          10232      10241          6.0       9.0            7.0
## 3282   103409          10232      10242          6.0       8.0            9.0
## 3283   103410          10232      10243          8.0       7.0            6.0
## 3284   103411          10232      10244          3.0       6.0            7.0
## 3285   103412          10232      10245          3.0       7.0            5.0
## 3286   103413          10232      10246          5.0       7.0            8.0
## 3287   103414          10232      10247          9.0       9.0            8.0
## 3288   103415          10232      10248          5.0      10.0            6.0
## 3289   103416          10232      10249          8.0       8.0            8.0
## 3290   103417          10233      10241          8.0       8.0            8.0
## 3291   103418          10233      10242          9.0       9.0            7.0
## 3292   103419          10233      10243          7.0       6.0            6.0
## 3293   103420          10233      10244          6.0       3.0            5.0
## 3294   103421          10233      10245          8.0       7.0            7.0
## 3295   103422          10233      10246          7.0       8.0            6.0
## 3296   103423          10233      10247          9.0       8.0            9.0
## 3297   103424          10233      10248          9.0      10.0            7.0
## 3298   103425          10233      10249          8.0       9.0            8.0
## 3299   103426          10234      10241          6.0       8.0            8.0
## 3300   103427          10234      10242          4.0       6.0            7.0
## 3301   103428          10234      10243          9.0       7.0            8.0
## 3302   103429          10234      10244          2.0       3.0            7.0
## 3303   103430          10234      10245          7.0       7.0            5.0
## 3304   103431          10234      10246          6.0       6.0            9.0
## 3305   103432          10234      10247          9.0       9.0            9.0
## 3306   103433          10234      10248          3.0       8.0            5.0
## 3307   103434          10234      10249          4.0       8.0            7.0
## 3308   103435          10235      10241          7.0       8.0            7.0
## 3309   103436          10235      10242          2.0       6.0            8.0
## 3310   103437          10235      10243          7.0       8.0            6.0
## 3311   103438          10235      10244          3.0       7.0            7.0
## 3312   103439          10235      10245          5.0       6.0            8.0
## 3313   103440          10235      10246          6.0       7.0            7.0
## 3314   103441          10235      10247          6.0       9.0            8.0
## 3315   103442          10235      10248          6.0      10.0            8.0
## 3316   103443          10235      10249          6.0       8.0            8.0
## 3317   103444          10236      10241          6.0       7.0            6.0
## 3318   103445          10236      10242          8.0       8.0            8.0
## 3319   103446          10236      10243          6.0       7.0            6.0
## 3320   103447          10236      10244          6.0       6.0            7.0
## 3321   103448          10236      10245          6.0       7.0            7.0
## 3322   103449          10236      10246          6.0       8.0            7.0
## 3323   103450          10236      10247          9.0       9.0            8.0
## 3324   103451          10236      10248          8.0       8.0            8.0
## 3325   103452          10236      10249          5.0       8.0            7.0
```

```
## 3326   103453        10237       10241            6.0         9.0              7.0
## 3327   103454        10237       10242            6.0         8.0              9.0
## 3328   103455        10237       10243            6.0         8.0              8.0
## 3329   103456        10237       10244            5.0         5.0              6.0
## 3330   103457        10237       10245            5.0         8.0              6.0
## 3331   103458        10237       10246            6.0         7.0              8.0
## 3332   103459        10237       10247            6.0         7.0              6.0
## 3333   103460        10237       10248            5.0         8.0              7.0
## 3334   103461        10237       10249            7.0         8.0              8.0
## 3335   103462        10238       10241            7.0         7.0              7.0
## 3336   103463        10238       10242            8.0         6.0              8.0
## 3337   103464        10238       10243            8.0         7.0              8.0
## 3338   103465        10238       10244            5.0         7.0              7.0
## 3339   103466        10238       10245            6.0         6.0              4.0
## 3340   103467        10238       10246            6.0         7.0              7.0
## 3341   103468        10238       10247            8.0         9.0              8.0
## 3342   103469        10238       10248            6.0         7.0              7.0
## 3343   103470        10238       10249            7.0         8.0              7.0
## 3344   103471        10239       10241            7.0         7.0              6.0
## 3345   103472        10239       10242            8.0         9.0              9.0
## 3346   103473        10239       10243            9.0         8.0              7.0
## 3347   103474        10239       10244            8.0         5.0              6.0
## 3348   103475        10239       10245            5.0         6.0              5.0
## 3349   103476        10239       10246            6.0         7.0              7.0
## 3350   103477        10239       10247            2.0         9.0              7.0
## 3351   103478        10239       10248            8.0        10.0              8.0
## 3352   103479        10239       10249            7.0         8.0              7.0
## 3353   103480        10240       10241            7.0         8.0              8.0
## 3354   103481        10240       10242            8.0         5.0              7.0
## 3355   103482        10240       10243            9.0         8.0              8.0
## 3356   103483        10240       10244            8.0         7.0              7.0
## 3357   103484        10240       10245            8.0         6.0              6.0
## 3358   103485        10240       10246            8.0         7.0              7.0
## 3359   103486        10240       10247            9.0         8.0              9.0
## 3360   103487        10240       10248            7.0         8.0              7.0
## 3361   103488        10240       10249            8.0         9.0              8.0
## 3362   103489        10241       10232            4.0         8.0              9.0
## 3363   103490        10241       10233            6.0         6.0              6.0
## 3364   103491        10241       10234            6.0         7.0              8.0
## 3365   103492        10241       10235            4.0         2.0              4.0
## 3366   103493        10241       10236            8.0         8.0              9.0
## 3367   103494        10241       10237            7.0         9.0              9.0
## 3368   103495        10241       10238            7.0         7.0              7.0
## 3369   103496        10241       10239            5.0         6.0              8.0
## 3370   103497        10241       10240            4.0         6.0              7.0
## 3371   103498        10242       10232            7.0         8.0              8.0
## 3372   103499        10242       10233            6.0         7.0              7.0
## 3373   103500        10242       10234            7.0         7.0              7.0
## 3374   103501        10242       10235            7.0         8.0              6.0
## 3375   103502        10242       10236            8.0         9.0              9.0
## 3376   103503        10242       10237            7.0         6.0              6.0
## 3377   103504        10242       10238            7.0         7.0              6.0
## 3378   103505        10242       10239            5.0         7.0              8.0
## 3379   103506        10242       10240            3.0         6.0              6.0
```

```
## 3380   103507      10243      10232       4.0       6.0        10.0
## 3381   103508      10243      10233       2.0       6.0         8.0
## 3382   103509      10243      10234       4.0       6.0         9.0
## 3383   103510      10243      10235       6.0       8.0         9.0
## 3384   103511      10243      10236       8.0       9.0        10.0
## 3385   103512      10243      10237       7.0       6.0         9.0
## 3386   103513      10243      10238       5.0       7.0         6.0
## 3387   103514      10243      10239       4.0       7.0        10.0
## 3388   103515      10243      10240       3.0       2.0         6.0
## 3389   103516      10244      10232       4.0       8.0         7.0
## 3390   103517      10244      10233       3.0       7.0         5.0
## 3391   103518      10244      10234       4.0       7.0         5.0
## 3392   103519      10244      10235       2.0       6.0         5.0
## 3393   103520      10244      10236       7.0       9.0         9.0
## 3394   103521      10244      10237       5.0       9.0         7.0
## 3395   103522      10244      10238       4.0       4.0         4.0
## 3396   103523      10244      10239       4.0       9.0         8.0
## 3397   103524      10244      10240       4.0       8.0         8.0
## 3398   103525      10245      10232       3.0       7.0         9.0
## 3399   103526      10245      10233       3.0       8.0         7.0
## 3400   103527      10245      10234       3.0       7.0         7.0
## 3401   103528      10245      10235       6.0       9.0         8.0
## 3402   103529      10245      10236       5.0       8.0         8.0
## 3403   103530      10245      10237       6.0       8.0         8.0
## 3404   103531      10245      10238       4.0       5.0         5.0
## 3405   103532      10245      10239       5.0      10.0        10.0
## 3406   103533      10245      10240       1.0       7.0         6.0
## 3407   103534      10246      10232       5.0       6.0         6.0
## 3408   103535      10246      10233       7.0       6.0         6.0
## 3409   103536      10246      10234       7.0       5.0         6.0
## 3410   103537      10246      10235       7.0       8.0         7.0
## 3411   103538      10246      10236       9.0       8.0         9.0
## 3412   103539      10246      10237       8.0       8.0         7.0
## 3413   103540      10246      10238       5.0       4.0         5.0
## 3414   103541      10246      10239      10.0       6.0         8.0
## 3415   103542      10246      10240       5.0       3.0         6.0
## 3416   103543      10247      10232       4.0       8.0         7.0
## 3417   103544      10247      10233       2.0       5.0         5.0
## 3418   103545      10247      10234       4.0       7.0         7.0
## 3419   103546      10247      10235       3.0       7.0         8.0
## 3420   103547      10247      10236       6.0       8.0         9.0
## 3421   103548      10247      10237       6.0       8.0         8.0
## 3422   103549      10247      10238       5.0       5.0         6.0
## 3423   103550      10247      10239       5.0       8.0         9.0
## 3424   103551      10247      10240       3.0       5.0         7.0
## 3425   103552      10248      10232       7.0       5.0         8.0
## 3426   103553      10248      10233       3.0       7.0         7.0
## 3427   103554      10248      10234       7.0       6.0         7.0
## 3428   103555      10248      10235       6.0       8.0        10.0
## 3429   103556      10248      10236       9.0       8.0         9.0
## 3430   103557      10248      10237       7.0       8.0         9.0
## 3431   103558      10248      10238       7.0       5.0         5.0
## 3432   103559      10248      10239       8.0       6.0        10.0
## 3433   103560      10248      10240       7.0       7.0         7.0
```

```
## 3434   103561         10249         10232          5.0          8.0              7.0
## 3435   103562         10249         10233          5.0          9.0              8.0
## 3436   103563         10249         10234          5.0          6.0              6.0
## 3437   103564         10249         10235          2.0         10.0             10.0
## 3438   103565         10249         10236          6.0          8.0              8.0
## 3439   103566         10249         10237          5.0          7.0              8.0
## 3440   103567         10249         10238          5.0          5.0              5.0
## 3441   103568         10249         10239          7.0          7.0              9.0
## 3442   103569         10249         10240          3.0          6.0              7.0
## 3443   103570         10250         10271          4.0          8.0              8.0
## 3444   103571         10250         10272          7.0          9.0              8.0
## 3445   103572         10250         10273          7.0          8.0              8.0
## 3446   103573         10250         10274          6.0          9.0              8.0
## 3447   103574         10250         10275          6.0          8.0              7.0
## 3448   103575         10250         10276          7.0          7.0              8.0
## 3449   103576         10250         10277          6.5          8.0              9.0
## 3450   103577         10250         10278          7.0          8.0              7.0
## 3451   103578         10250         10279         10.0          8.0              8.0
## 3452   103579         10250         10280          7.0          7.0              7.0
## 3453   103580         10250         10281          9.0          9.0              9.0
## 3454   103581         10250         10282          7.0          7.0              7.0
## 3455   103582         10250         10283          5.0          5.0              5.0
## 3456   103583         10250         10284          9.0          8.0              8.0
## 3457   103584         10250         10285          7.0          7.0              7.0
## 3458   103585         10250         10286          4.0          6.0              5.0
## 3459   103586         10250         10287          7.0          6.0              6.0
## 3460   103587         10250         10288          8.0          7.0              6.0
## 3461   103588         10250         10289          6.0         10.0              8.0
## 3462   103589         10250         10290          6.0         10.0              6.0
## 3463   103590         10250         10291          8.0          8.0              7.0
## 3464   103591         10251         10271          1.0          7.0              8.0
## 3465   103592         10251         10272          5.0          6.0              8.0
## 3466   103593         10251         10273          6.0          6.0              7.0
## 3467   103594         10251         10274          4.0          7.0              7.0
## 3468   103595         10251         10275          5.0          7.0              7.0
## 3469   103596         10251         10276          5.0          7.0              7.0
## 3470   103597         10251         10277          4.0          7.0              7.0
## 3471   103598         10251         10278          2.0          7.0              7.0
## 3472   103599         10251         10279          3.0          6.0              8.0
## 3473   103600         10251         10280          6.0          6.0              9.0
## 3474   103601         10251         10281          3.0          3.0              3.0
## 3475   103602         10251         10282          2.0          5.0              7.0
## 3476   103603         10251         10283          5.0          5.0              5.0
## 3477   103604         10251         10284          6.0          7.0              7.0
## 3478   103605         10251         10285          4.0          7.0              6.0
## 3479   103606         10251         10286          3.0          6.0              6.0
## 3480   103607         10251         10287          2.0          3.0              6.0
## 3481   103608         10251         10288          2.0          5.0              6.0
## 3482   103609         10251         10289          5.0          9.0              8.0
## 3483   103610         10251         10290          4.0         10.0              8.0
## 3484   103611         10251         10291          4.0          6.0              7.0
## 3485   103612         10252         10271          8.0          8.0              9.0
## 3486   103613         10252         10272          6.0          7.0             10.0
## 3487   103614         10252         10273          5.0          5.0              6.0
```

```
## 3488   103615          10252       10274          3.0         8.0            10.0
## 3489   103616          10252       10275          6.0         7.0             7.0
## 3490   103617          10252       10276          6.0         6.0             8.0
## 3491   103618          10252       10277          6.0         5.0             8.0
## 3492   103619          10252       10278          3.0         7.0             8.0
## 3493   103620          10252       10279          6.0         5.0             7.0
## 3494   103621          10252       10280          7.0         7.0             7.0
## 3495   103622          10252       10281         10.0        10.0            10.0
## 3496   103623          10252       10282          3.0         4.0             7.0
## 3497   103624          10252       10283          8.0         8.0             8.0
## 3498   103625          10252       10284          7.0         7.0             9.0
## 3499   103626          10252       10285          8.0         8.0             7.0
## 3500   103627          10252       10286          5.0         5.0             7.0
## 3501   103628          10252       10287          5.0         9.0             8.0
## 3502   103629          10252       10288          3.0         6.0             6.0
## 3503   103630          10252       10289          6.0         9.0             8.0
## 3504   103631          10252       10290          5.0        10.0             7.0
## 3505   103632          10252       10291          6.0         8.0             8.0
## 3506   103633          10253       10271          6.0         5.0             5.0
## 3507   103634          10253       10272          2.0         4.0             6.0
## 3508   103635          10253       10273          5.0         5.0             6.0
## 3509   103636          10253       10274          7.0         6.0             5.0
## 3510   103637          10253       10275          6.0         6.0             6.0
## 3511   103638          10253       10276          7.0         6.0             5.0
## 3512   103639          10253       10277          5.0         5.0             7.0
## 3513   103640          10253       10278          8.0         7.0             8.0
## 3514   103641          10253       10279          5.0         4.0             4.0
## 3515   103642          10253       10280          6.0         7.0             7.0
## 3516   103643          10253       10281          9.0         9.0             9.0
## 3517   103644          10253       10282          7.0         7.0             7.0
## 3518   103645          10253       10283          3.0         3.0             3.0
## 3519   103646          10253       10284          7.0         7.0             7.0
## 3520   103647          10253       10285          7.0         7.0             5.0
## 3521   103648          10253       10286          5.0         7.0             3.0
## 3522   103649          10253       10287          7.0         4.0             7.0
## 3523   103650          10253       10288          3.0         6.0             6.0
## 3524   103651          10253       10289          5.0         9.0             8.0
## 3525   103652          10253       10290          5.0        10.0             8.0
## 3526   103653          10253       10291          5.0         7.0             6.0
## 3527   103654          10254       10271          7.0         6.0             8.0
## 3528   103655          10254       10272          4.0         8.0             8.0
## 3529   103656          10254       10273          6.0         5.0             7.0
## 3530   103657          10254       10274          7.0         8.0             9.0
## 3531   103658          10254       10275          7.0         7.0             7.0
## 3532   103659          10254       10276          8.0         7.0             8.0
## 3533   103660          10254       10277          7.0         7.0             8.0
## 3534   103661          10254       10278          7.0         8.0             8.0
## 3535   103662          10254       10279          7.0         5.0             7.0
## 3536   103663          10254       10280          8.0         7.0             7.0
## 3537   103664          10254       10281          9.0         9.0             9.0
## 3538   103665          10254       10282          7.0         6.0             7.0
## 3539   103666          10254       10283          6.0         6.0             6.0
## 3540   103667          10254       10284          6.0         7.0             7.0
## 3541   103668          10254       10285          6.0         7.0             6.0
```

```
## 3542   103669         10254        10286          6.0         6.0           6.0
## 3543   103670         10254        10287          6.0         8.0           8.0
## 3544   103671         10254        10288          7.0         8.0           8.0
## 3545   103672         10254        10289          5.0         8.0           8.0
## 3546   103673         10254        10290          6.0        10.0           7.0
## 3547   103674         10254        10291          6.0         8.0           9.0
## 3548   103675         10255        10271          7.0         6.0           7.0
## 3549   103676         10255        10272          6.0         8.0           8.0
## 3550   103677         10255        10273          6.0         6.0           7.0
## 3551   103678         10255        10274          6.0         5.0           4.0
## 3552   103679         10255        10275          7.0         6.0           6.0
## 3553   103680         10255        10276          5.0         5.0           5.0
## 3554   103681         10255        10277          8.0         8.0           7.0
## 3555   103682         10255        10278          6.0         6.0           6.0
## 3556   103683         10255        10279          6.0         7.0           5.0
## 3557   103684         10255        10280          8.0         8.0           8.0
## 3558   103685         10255        10281         10.0        10.0          10.0
## 3559   103686         10255        10282          7.0         7.0           7.0
## 3560   103687         10255        10283          8.0         8.0           8.0
## 3561   103688         10255        10284          7.0         7.0           8.0
## 3562   103689         10255        10285          8.0         6.0           7.0
## 3563   103690         10255        10286          4.0         5.0           6.0
## 3564   103691         10255        10287          7.0         8.0           6.0
## 3565   103692         10255        10288          6.0         7.0           7.0
## 3566   103693         10255        10289          6.0         7.0           6.0
## 3567   103694         10255        10290          9.0        10.0           7.0
## 3568   103695         10255        10291          7.0         7.0           6.0
## 3569   103696         10256        10271          8.0         7.0           8.0
## 3570   103697         10256        10272          7.0         6.0           5.0
## 3571   103698         10256        10273          7.0         6.0           6.0
## 3572   103699         10256        10274          6.0        10.0           9.0
## 3573   103700         10256        10275          8.0         7.0           8.0
## 3574   103701         10256        10276          5.0         7.0           7.0
## 3575   103702         10256        10277          7.0         6.0           8.0
## 3576   103703         10256        10278          8.0         8.0           8.0
## 3577   103704         10256        10279          5.0         7.0           6.0
## 3578   103705         10256        10280          8.0         8.0           8.0
## 3579   103706         10256        10281         10.0         9.0           9.0
## 3580   103707         10256        10282          7.0         7.0           7.0
## 3581   103708         10256        10283          7.0         7.0           7.0
## 3582   103709         10256        10284          8.0         7.0           8.0
## 3583   103710         10256        10285          8.0         6.0           5.0
## 3584   103711         10256        10286          5.0         6.0           5.0
## 3585   103712         10256        10287          7.0         6.0           7.0
## 3586   103713         10256        10288          7.0         7.0           7.0
## 3587   103714         10256        10289          5.0         8.0           8.0
## 3588   103715         10256        10290          7.0         9.0           8.0
## 3589   103716         10256        10291          5.0         8.0           7.0
## 3590   103717         10257        10271          4.0         5.0           8.0
## 3591   103718         10257        10272          8.0         7.0           8.0
## 3592   103719         10257        10273          6.0         7.0           7.0
## 3593   103720         10257        10274         10.0        10.0          10.0
## 3594   103721         10257        10275          8.0         8.0           8.0
## 3595   103722         10257        10276          6.0         5.0           5.0
```

```
## 3596   103723          10257        10277           9.0        1.0           6.0
## 3597   103724          10257        10278           7.0        7.0           9.0
## 3598   103725          10257        10279           5.0        5.0           7.0
## 3599   103726          10257        10280           7.0        7.0           7.0
## 3600   103727          10257        10281          10.0        9.0           9.0
## 3601   103728          10257        10282           5.0        4.0           6.0
## 3602   103729          10257        10283           9.0        9.0           9.0
## 3603   103730          10257        10284           7.0        7.0           8.0
## 3604   103731          10257        10285           7.0        6.0           6.0
## 3605   103732          10257        10286           4.0        5.0           5.0
## 3606   103733          10257        10287           4.0        3.0           7.0
## 3607   103734          10257        10288           3.0        3.0           8.0
## 3608   103735          10257        10289           6.0        7.0           7.0
## 3609   103736          10257        10290           7.0        9.0           9.0
## 3610   103737          10257        10291           5.0        5.0           6.0
## 3611   103738          10258        10271           2.0        8.0           8.0
## 3612   103739          10258        10272           3.0        7.0           8.0
## 3613   103740          10258        10273           5.0        6.0           8.0
## 3614   103741          10258        10274           7.0        7.0           8.0
## 3615   103742          10258        10275           7.0        8.0           8.0
## 3616   103743          10258        10276           5.0        5.0           5.0
## 3617   103744          10258        10277           6.0        7.0           8.0
## 3618   103745          10258        10278           7.0        7.0           8.0
## 3619   103746          10258        10279           6.0        7.0           9.0
## 3620   103747          10258        10280          10.0        9.0           9.0
## 3621   103748          10258        10281           7.0        7.0           7.0
## 3622   103749          10258        10282           6.0        6.0           7.0
## 3623   103750          10258        10283           6.0        6.0           6.0
## 3624   103751          10258        10284           7.0        7.0           8.0
## 3625   103752          10258        10285           7.0        8.0           8.0
## 3626   103753          10258        10286           4.0        6.0           5.0
## 3627   103754          10258        10287           5.0        3.0           4.0
## 3628   103755          10258        10288           4.0        6.0           9.0
## 3629   103756          10258        10289           6.0        8.0           8.0
## 3630   103757          10258        10290           5.0       10.0           9.0
## 3631   103758          10258        10291           3.0        6.0           8.0
## 3632   103759          10259        10271           2.0        7.0           7.0
## 3633   103760          10259        10272           3.0        0.0           6.0
## 3634   103761          10259        10273           6.0        6.0           7.0
## 3635   103762          10259        10274           8.0       10.0           9.0
## 3636   103763          10259        10275           6.0        7.0           7.0
## 3637   103764          10259        10276           5.0        5.0           6.0
## 3638   103765          10259        10277           7.0        8.0          10.0
## 3639   103766          10259        10278           7.0        7.0           8.0
## 3640   103767          10259        10279           3.0        7.0           9.0
## 3641   103768          10259        10280           7.0        7.0           7.0
## 3642   103769          10259        10281           6.0        6.0           6.0
## 3643   103770          10259        10282           6.0        8.0           8.0
## 3644   103771          10259        10283           6.0        6.0           6.0
## 3645   103772          10259        10284           6.0        7.0           8.0
## 3646   103773          10259        10285           4.0        6.0           5.0
## 3647   103774          10259        10286           4.0        6.0           6.0
## 3648   103775          10259        10287           4.0        2.0           6.0
## 3649   103776          10259        10288           5.0        7.0           8.0
```

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## 3650  103777       10259       10289         6.0         7.0         8.0
## 3651  103778       10259       10290         5.0         9.0         7.0
## 3652  103779       10259       10291         5.0         6.0         7.0
## 3653  103780       10260       10271         2.0         8.0         9.0
## 3654  103781       10260       10272         4.0         6.0         7.0
## 3655  103782       10260       10273         4.0         7.0         8.0
## 3656  103783       10260       10274         5.0         6.0         7.0
## 3657  103784       10260       10275         5.0         5.0         5.0
## 3658  103785       10260       10276         5.0         5.0         6.0
## 3659  103786       10260       10277         6.0         8.0         9.0
## 3660  103787       10260       10278         3.0         7.0         7.0
## 3661  103788       10260       10279         6.0         7.0         7.0
## 3662  103789       10260       10280         7.0         7.0         7.0
## 3663  103790       10260       10281        10.0        10.0        10.0
## 3664  103791       10260       10282         5.0         9.0         7.0
## 3665  103792       10260       10283         7.0         7.0         7.0
## 3666  103793       10260       10284         7.0         7.0         9.0
## 3667  103794       10260       10285         6.0         8.0         6.0
## 3668  103795       10260       10286         4.0         7.0         7.0
## 3669  103796       10260       10287         6.0         9.0         9.0
## 3670  103797       10260       10288         3.0         5.0         6.0
## 3671  103798       10260       10289         5.0        10.0         9.0
## 3672  103799       10260       10290        10.0        10.0        10.0
## 3673  103800       10260       10291         3.0         8.0         7.0
## 3674  103801       10261       10271         2.0         8.0         8.0
## 3675  103802       10261       10272         7.0         8.0         9.0
## 3676  103803       10261       10273         6.0         6.0         7.0
## 3677  103804       10261       10274         8.0         5.0         7.0
## 3678  103805       10261       10275         6.0         8.0         7.0
## 3679  103806       10261       10276         8.0         8.0         8.0
## 3680  103807       10261       10277         8.0         8.0         8.0
## 3681  103808       10261       10278         6.0         7.0         8.0
## 3682  103809       10261       10279         6.0         7.0         9.0
## 3683  103810       10261       10280         8.0         8.0         8.0
## 3684  103811       10261       10281         1.0         1.0         1.0
## 3685  103812       10261       10282         6.0         6.0         7.0
## 3686  103813       10261       10283         6.0         6.0         6.0
## 3687  103814       10261       10284         8.0         7.0         8.0
## 3689  103816       10261       10286         6.0         5.0         7.0
## 3690  103817       10261       10287         7.0         9.0         8.0
## 3691  103818       10261       10288         5.0         7.0         8.0
## 3692  103819       10261       10289         5.0        10.0         8.0
## 3693  103820       10261       10290         6.0        10.0        10.0
## 3694  103821       10261       10291         4.0         8.0         8.0
## 3695  103822       10262       10271         5.0         6.0         5.0
## 3696  103823       10262       10272         6.0         7.0         8.0
## 3697  103824       10262       10273         5.0         8.0         7.0
## 3698  103825       10262       10274         8.0         9.0         6.0
## 3699  103826       10262       10275         6.0         6.0         7.0
## 3700  103827       10262       10276         3.0         5.0         7.0
## 3701  103828       10262       10277         7.0         7.0         9.0
## 3702  103829       10262       10278         7.0         7.0         7.0
## 3703  103830       10262       10279         5.0         4.0         6.0
## 3704  103831       10262       10280         7.0         7.0         7.0
```

```
## 3705   103832        10262       10281        10.0        10.0        10.0
## 3706   103833        10262       10282         6.0         6.0         7.0
## 3707   103834        10262       10283         7.0         7.0         7.0
## 3708   103835        10262       10284         8.0         7.0         8.0
## 3709   103836        10262       10285         8.0         8.0         8.0
## 3710   103837        10262       10286         3.0         4.0         5.0
## 3711   103838        10262       10287         8.0         8.0         5.0
## 3712   103839        10262       10288         3.0         5.0         7.0
## 3713   103840        10262       10289         5.0         8.0         7.0
## 3714   103841        10262       10290         6.0        10.0        10.0
## 3715   103842        10262       10291         5.0         6.0         7.0
## 3716   103843        10263       10271         5.0         7.0         9.0
## 3717   103844        10263       10272         4.0         3.0         2.0
## 3718   103845        10263       10273         6.0         6.0         7.0
## 3719   103846        10263       10274         3.0         4.0         6.0
## 3720   103847        10263       10275         5.0         8.0         7.0
## 3721   103848        10263       10276         5.0         5.0         7.0
## 3722   103849        10263       10277         6.0         7.0         9.0
## 3723   103850        10263       10278         3.0         7.0         8.0
## 3724   103851        10263       10279         6.0         8.0         8.0
## 3725   103852        10263       10280         7.0         7.0         7.0
## 3727   103854        10263       10282         4.0         6.0         7.0
## 3728   103855        10263       10283         7.0         7.0         7.0
## 3729   103856        10263       10284         7.0         6.0         9.0
## 3730   103857        10263       10285         5.0         9.0         7.0
## 3731   103858        10263       10286         3.0         6.0         5.0
## 3732   103859        10263       10287         3.0         4.0         5.0
## 3733   103860        10263       10288         3.0         5.0         6.0
## 3734   103861        10263       10289         4.0         9.0         9.0
## 3735   103862        10263       10290         5.0         7.0         7.0
## 3736   103863        10263       10291         4.0         5.0         4.0
## 3737   103864        10264       10271         8.0         8.0         9.0
## 3738   103865        10264       10272         8.0         9.0         8.0
## 3739   103866        10264       10273         6.0         6.0         8.0
## 3740   103867        10264       10274         9.0         9.0         6.0
## 3741   103868        10264       10275         7.0         7.0         7.0
## 3742   103869        10264       10276         8.0         7.0         8.0
## 3743   103870        10264       10277         8.0         7.0         8.0
## 3744   103871        10264       10278         8.0         7.0         7.0
## 3745   103872        10264       10279         9.0        10.0        10.0
## 3746   103873        10264       10280         7.0         7.0         7.0
## 3747   103874        10264       10281        10.0        10.0        10.0
## 3748   103875        10264       10282         6.0         8.0         7.0
## 3749   103876        10264       10283         7.5         7.5         7.5
## 3750   103877        10264       10284         7.0         7.0         8.0
## 3751   103878        10264       10285         7.0         7.0         7.0
## 3752   103879        10264       10286         7.0         6.0         7.0
## 3753   103880        10264       10287         8.0         9.0         8.0
## 3754   103881        10264       10288         4.0         7.0         7.0
## 3755   103882        10264       10289         7.0         9.0         9.0
## 3756   103883        10264       10290         7.0        10.0         8.0
## 3757   103884        10264       10291         6.0         7.0         6.0
## 3758   103885        10265       10271         9.0         7.0         5.0
## 3759   103886        10265       10272         3.0         2.0         3.0
```

```
## 3760  103887       10265    10273        5.0       6.0          7.0
## 3761  103888       10265    10274        5.0       8.0          3.0
## 3762  103889       10265    10275        6.0       8.0          7.0
## 3763  103890       10265    10276        8.0       7.0          6.0
## 3764  103891       10265    10277        6.0       7.0          8.0
## 3765  103892       10265    10278        5.0       5.0          5.0
## 3766  103893       10265    10279        5.0       5.0          6.0
## 3767  103894       10265    10280        8.0       8.0          8.0
## 3768  103895       10265    10281        5.0       5.0          5.0
## 3769  103896       10265    10282        7.0       7.0          7.0
## 3770  103897       10265    10283        6.0       6.0          6.0
## 3771  103898       10265    10284        6.0       7.0          7.0
## 3772  103899       10265    10285        9.0       9.0          9.0
## 3773  103900       10265    10286        3.0       6.0          3.0
## 3774  103901       10265    10287        7.0       6.0          5.0
## 3775  103902       10265    10288        4.0       5.0          5.0
## 3776  103903       10265    10289        6.0       9.0          8.0
## 3777  103904       10265    10290        5.0      10.0          7.0
## 3778  103905       10265    10291        7.0       6.0          7.0
## 3779  103906       10266    10271       10.0       9.0          9.0
## 3780  103907       10266    10272        8.0       9.0          9.0
## 3781  103908       10266    10273        9.0       7.0          8.0
## 3782  103909       10266    10274        8.0       9.0          8.0
## 3783  103910       10266    10275        9.0       8.0          8.0
## 3784  103911       10266    10276        7.0       5.0          7.0
## 3785  103912       10266    10277        8.0       9.0          9.0
## 3786  103913       10266    10278        6.0       7.0          7.0
## 3787  103914       10266    10279       10.0       8.0          8.0
## 3788  103915       10266    10280        9.0       9.0          9.0
## 3789  103916       10266    10281       10.0      10.0         10.0
## 3790  103917       10266    10282        7.0       7.0          7.0
## 3791  103918       10266    10283        8.5       8.5          8.5
## 3792  103919       10266    10284       10.0       7.0          8.0
## 3793  103920       10266    10285        9.0       9.0          9.0
## 3794  103921       10266    10286        5.0       5.0          6.0
## 3795  103922       10266    10287       10.0       9.0          8.0
## 3796  103923       10266    10288        9.0       8.0          8.0
## 3797  103924       10266    10289        9.0       9.0          9.0
## 3798  103925       10266    10290        8.0      10.0          7.0
## 3799  103926       10266    10291        9.0       8.0          9.0
## 3800  103927       10267    10271        9.0       9.0          8.0
## 3801  103928       10267    10272        8.0       9.0          8.0
## 3802  103929       10267    10273        8.0       6.0          7.0
## 3803  103930       10267    10274        9.0      10.0          8.0
## 3804  103931       10267    10275        7.0       8.0          7.0
## 3805  103932       10267    10276        5.0       6.0          8.0
## 3806  103933       10267    10277        8.0       7.0          9.0
## 3807  103934       10267    10278        8.0       8.0          8.0
## 3808  103935       10267    10279        8.0      10.0         10.0
## 3809  103936       10267    10280        8.0       7.0          8.0
## 3810  103937       10267    10281        8.0       8.0          9.0
## 3811  103938       10267    10282        5.0       6.0          7.0
## 3812  103939       10267    10283        8.0       8.0          8.0
## 3813  103940       10267    10284        7.0       7.0          7.0
```

```
## 3814   103941        10267        10285           8.0          8.0           8.0
## 3815   103942        10267        10286           6.0          7.0           7.0
## 3816   103943        10267        10287           9.0          9.0          10.0
## 3817   103944        10267        10288           7.0          6.0           7.0
## 3818   103945        10267        10289           6.0          8.0           8.0
## 3819   103946        10267        10290           7.0          8.0           7.0
## 3820   103947        10267        10291           8.0          6.0           8.0
## 3821   103948        10268        10271           4.0          7.0           7.0
## 3822   103949        10268        10272           4.0          6.0           7.0
## 3823   103950        10268        10273           7.0          6.0           8.0
## 3824   103951        10268        10274           7.0          9.0           8.0
## 3825   103952        10268        10275           7.0          7.0           8.0
## 3826   103953        10268        10276           6.0          6.0           6.0
## 3827   103954        10268        10277           7.0          8.0           9.0
## 3828   103955        10268        10278           8.0          7.0           8.0
## 3829   103956        10268        10279           7.0          9.0          10.0
## 3830   103957        10268        10280           9.0          9.0           9.0
## 3831   103958        10268        10281           5.0          5.0           9.0
## 3832   103959        10268        10282           6.0          6.0           7.0
## 3833   103960        10268        10283           6.0          6.0           6.0
## 3834   103961        10268        10284           7.0          7.0           9.0
## 3835   103962        10268        10285           7.0          7.0           7.0
## 3836   103963        10268        10286           4.0          6.0           5.0
## 3837   103964        10268        10287           5.0          5.0           7.0
## 3838   103965        10268        10288           4.0          6.0           8.0
## 3839   103966        10268        10289           6.0          8.0           8.0
## 3840   103967        10268        10290           7.0         10.0           8.0
## 3841   103968        10268        10291           6.0          7.0           6.0
## 3842   103969        10269        10271           7.0          6.0           5.0
## 3843   103970        10269        10272           6.0          0.0           4.0
## 3844   103971        10269        10273           7.0          5.0           6.0
## 3845   103972        10269        10274           7.0          4.0           4.0
## 3846   103973        10269        10275           6.0          6.0           6.0
## 3847   103974        10269        10276           5.0          5.0           7.0
## 3848   103975        10269        10277           9.0          7.0           6.0
## 3849   103976        10269        10278           6.0          6.0           6.0
## 3850   103977        10269        10279           5.0          6.0           7.0
## 3851   103978        10269        10280           8.0          8.0           8.0
## 3852   103979        10269        10281          10.0          9.0           9.0
## 3853   103980        10269        10282           5.0          5.0           7.0
## 3854   103981        10269        10283           6.0          6.0           6.0
## 3855   103982        10269        10284           8.0          7.0           8.0
## 3856   103983        10269        10285           9.0          6.0           8.0
## 3857   103984        10269        10286           5.0          7.0           3.0
## 3858   103985        10269        10287           5.0          5.0           4.0
## 3859   103986        10269        10288           3.0          5.0           6.0
## 3860   103987        10269        10289           5.0          8.0           7.0
## 3861   103988        10269        10290           7.0         10.0           7.0
## 3862   103989        10269        10291           8.0          7.0           6.0
## 3863   103990        10270        10271           9.0          8.0           7.0
## 3864   103991        10270        10272           8.0          7.0           8.0
## 3865   103992        10270        10273           7.0          4.0           6.0
## 3866   103993        10270        10274           7.0          6.0           5.0
## 3867   103994        10270        10275           7.0          6.0           6.0
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## 3868   103995         10270         10276              7.0            7.0              7.0
## 3869   103996         10270         10277              7.0            9.0              5.0
## 3870   103997         10270         10278              6.0            6.0              6.0
## 3871   103998         10270         10279              9.0            6.0              3.0
## 3872   103999         10270         10280              9.0            9.0              8.0
## 3873   104000         10270         10281             10.0           10.0             10.0
## 3874   104001         10270         10282              5.0            6.0              7.0
## 3875   104002         10270         10283              8.0            8.0              8.0
## 3876   104003         10270         10284              9.0            8.0              9.0
## 3877   104004         10270         10285             10.0            7.0              9.0
## 3878   104005         10270         10286              7.0            4.0              4.0
## 3879   104006         10270         10287              6.0            4.0              4.0
## 3880   104007         10270         10288              8.0            6.0              6.0
## 3881   104008         10270         10289              7.0            8.0              7.0
## 3882   104009         10270         10290              6.0           10.0              6.0
## 3883   104010         10270         10291              7.0            8.0              6.0
## 3884   104011         10271         10250              6.0            6.0              7.0
## 3885   104012         10271         10251              5.0            6.0              7.0
## 3886   104013         10271         10252              6.0            6.0              6.0
## 3887   104014         10271         10253              6.0            7.0              6.0
## 3888   104015         10271         10254              7.0            7.0              6.0
## 3889   104016         10271         10255              5.0            7.0              8.0
## 3890   104017         10271         10256              5.0            3.0              9.0
## 3891   104018         10271         10257              7.0            8.0              9.0
## 3892   104019         10271         10258              5.0            7.0              8.0
## 3893   104020         10271         10259              6.0            8.0              8.0
## 3894   104021         10271         10260              9.0            9.0              9.0
## 3895   104022         10271         10261              8.0           10.0             10.0
## 3896   104023         10271         10262              3.0            6.0              6.0
## 3897   104024         10271         10263              6.0            6.0              6.0
## 3898   104025         10271         10264              5.0            8.0              9.0
## 3899   104026         10271         10265              4.0            5.0              6.0
## 3900   104027         10271         10266              9.0            9.0              9.0
## 3901   104028         10271         10267              6.0            8.0              8.0
## 3902   104029         10271         10268              5.0            6.0              6.0
## 3903   104030         10271         10269              6.0            6.0              7.0
## 3904   104031         10271         10270              4.0            4.0              7.0
## 3905   104032         10272         10250              4.0            5.0              6.0
## 3906   104033         10272         10251              6.0            7.0              7.0
## 3907   104034         10272         10252              4.0            3.0              3.0
## 3908   104035         10272         10253              6.0            6.0              6.0
## 3909   104036         10272         10254              6.0            7.0              6.0
## 3910   104037         10272         10255              5.0            7.0              7.0
## 3911   104038         10272         10256              8.0            6.0              5.0
## 3912   104039         10272         10257              5.0            6.0              7.0
## 3913   104040         10272         10258              6.0            8.0              6.0
## 3914   104041         10272         10259              5.0            6.0              7.0
## 3915   104042         10272         10260              7.0            7.0              8.0
## 3916   104043         10272         10261              8.0            9.0              8.0
## 3917   104044         10272         10262              6.0            8.0              8.0
## 3918   104045         10272         10263              5.0            6.0              6.0
## 3919   104046         10272         10264              4.0            4.0              6.0
## 3920   104047         10272         10265              4.0            6.0              5.0
## 3921   104048         10272         10266              8.0            7.0              7.0
```

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## 3922   104049         10272       10267           8.0         8.0             7.0
## 3923   104050         10272       10268           4.0         5.0             5.0
## 3924   104051         10272       10269           5.0         4.0             4.0
## 3925   104052         10272       10270           4.0         6.0             7.0
## 3926   104053         10273       10250           7.0         6.0             9.0
## 3927   104054         10273       10251           6.0         7.0             7.0
## 3928   104055         10273       10252           8.0         7.0             6.0
## 3929   104056         10273       10253           6.0         6.0             7.0
## 3930   104057         10273       10254           6.0         6.0             7.0
## 3931   104058         10273       10255           5.0         5.0             6.0
## 3932   104059         10273       10256           6.0         8.0             7.0
## 3934   104061         10273       10258           6.0         8.0             7.0
## 3935   104062         10273       10259           8.0         8.0             8.0
## 3936   104063         10273       10260           6.0         8.0             8.0
## 3937   104064         10273       10261           5.0        10.0             9.0
## 3938   104065         10273       10262           5.0         6.0             7.0
## 3939   104066         10273       10263           8.0         6.0            10.0
## 3940   104067         10273       10264           5.0         0.0             5.0
## 3941   104068         10273       10265           6.0         5.0             7.0
## 3942   104069         10273       10266           8.0         7.0             7.0
## 3943   104070         10273       10267           6.0         7.0             8.0
## 3944   104071         10273       10268           5.0         8.0             7.0
## 3945   104072         10273       10269           6.0         4.0             5.0
## 3946   104073         10273       10270           7.0         6.0             8.0
## 3947   104074         10274       10250           2.0         4.0             5.0
## 3948   104075         10274       10251           6.0         6.0             7.0
## 3949   104076         10274       10252           8.0         7.0             6.0
## 3950   104077         10274       10253           6.0         6.0             6.0
## 3951   104078         10274       10254           6.0         5.0             6.0
## 3952   104079         10274       10255           3.0         5.0             6.0
## 3953   104080         10274       10256           7.0        10.0            10.0
## 3954   104081         10274       10257           7.0         2.0             8.0
## 3955   104082         10274       10258           7.0         7.0             8.0
## 3956   104083         10274       10259           8.0        10.0             9.0
## 3957   104084         10274       10260           7.0         7.0             8.0
## 3958   104085         10274       10261           5.0         9.0             7.0
## 3959   104086         10274       10262           5.0         6.0             7.0
## 3960   104087         10274       10263           6.0         5.0             8.0
## 3961   104088         10274       10264           4.0         6.0             7.0
## 3962   104089         10274       10265           5.0         6.0             6.0
## 3963   104090         10274       10266           7.0         8.0             9.0
## 3964   104091         10274       10267           6.0         8.0             9.0
## 3965   104092         10274       10268           7.0         7.0             8.0
## 3966   104093         10274       10269           4.0         4.0             7.0
## 3967   104094         10274       10270           6.0         8.0             9.0
## 3968   104095         10275       10250           2.0         1.0             1.0
## 3969   104096         10275       10251           7.0         7.0             8.0
## 3970   104097         10275       10252           9.0         5.0             8.0
## 3971   104098         10275       10253           6.0         6.0             6.0
## 3972   104099         10275       10254           6.0         6.0             6.0
## 3973   104100         10275       10255           5.0         6.0             6.0
## 3974   104101         10275       10256           8.0         9.0            10.0
## 3975   104102         10275       10257           7.0         3.0            10.0
## 3976   104103         10275       10258           9.0         9.0            10.0
```

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## 3977  104104      10275      10259      8.0      8.0        8.0
## 3978  104105      10275      10260      8.0      7.0        8.0
## 3979  104106      10275      10261      8.0      8.0        8.0
## 3980  104107      10275      10262      6.0      6.0        7.0
## 3981  104108      10275      10263      5.0      6.0        6.0
## 3982  104109      10275      10264      4.0      8.0        6.0
## 3983  104110      10275      10265      6.0      6.0        5.0
## 3984  104111      10275      10266      7.0      8.0        9.0
## 3985  104112      10275      10267      8.0      7.0        7.0
## 3986  104113      10275      10268      5.0      6.0        7.0
## 3987  104114      10275      10269      6.0      5.0        7.0
## 3988  104115      10275      10270      7.0      7.0        8.0
## 3989  104116      10276      10250      1.0      2.0        8.0
## 3990  104117      10276      10251      5.0      6.0        6.0
## 3991  104118      10276      10252      4.0      5.0        5.0
## 3992  104119      10276      10253      5.0      5.0        5.0
## 3993  104120      10276      10254      4.0      7.0        7.0
## 3994  104121      10276      10255      2.0      7.0        8.0
## 3995  104122      10276      10256      4.0      6.0        6.0
## 3996  104123      10276      10257      7.0      7.0        8.0
## 3997  104124      10276      10258      6.0      8.0        7.0
## 3998  104125      10276      10259      5.0      7.0        7.0
## 3999  104126      10276      10260      6.0      8.0        8.0
## 4000  104127      10276      10261      4.0      7.0        7.0
## 4001  104128      10276      10262      3.0      6.0        7.0
## 4002  104129      10276      10263      5.0      6.0        6.0
## 4003  104130      10276      10264      4.0      7.0        9.0
## 4004  104131      10276      10265      4.0      6.0        5.0
## 4005  104132      10276      10266      6.0      8.0        8.0
## 4006  104133      10276      10267      5.0      8.0        9.0
## 4007  104134      10276      10268      5.0      6.0        5.0
## 4008  104135      10276      10269      4.0      4.0        6.0
## 4009  104136      10276      10270      5.0      4.0       10.0
## 4010  104137      10277      10250      4.0      2.0        5.0
## 4011  104138      10277      10251      7.0      6.0        7.0
## 4012  104139      10277      10252      9.0      8.0        8.0
## 4013  104140      10277      10253      6.0      6.0        6.0
## 4014  104141      10277      10254      8.0      7.0        7.0
## 4015  104142      10277      10255      6.0      6.0        7.0
## 4016  104143      10277      10256      5.0      6.0       10.0
## 4017  104144      10277      10257      5.0      1.0        8.0
## 4018  104145      10277      10258      9.0      7.0        8.0
## 4019  104146      10277      10259      8.0      6.0        8.0
## 4020  104147      10277      10260      7.0      7.0        8.0
## 4021  104148      10277      10261      9.0      9.0        8.0
## 4022  104149      10277      10262      7.0      8.0        8.0
## 4023  104150      10277      10263      6.0      4.0        5.0
## 4024  104151      10277      10264      7.0      9.0        9.0
## 4025  104152      10277      10265      6.0      5.0        5.0
## 4026  104153      10277      10266      9.5      9.0        9.0
## 4027  104154      10277      10267      8.0      7.0        8.0
## 4028  104155      10277      10268      6.0      6.0        6.0
## 4029  104156      10277      10269      7.0      6.0        7.0
## 4030  104157      10277      10270      8.0      9.0        8.0
```

```
## 4031   104158        10278        10250         1.0        9.0          8.0
## 4032   104159        10278        10251         5.0        6.0          7.0
## 4033   104160        10278        10252         5.0        5.0          7.0
## 4034   104161        10278        10253         6.0        6.0          7.0
## 4035   104162        10278        10254         6.0        7.0          7.0
## 4036   104163        10278        10255         3.0        4.0          6.0
## 4037   104164        10278        10256         5.0        9.0          8.0
## 4038   104165        10278        10257         5.0        7.0          8.0
## 4039   104166        10278        10258         7.0        9.0          9.0
## 4040   104167        10278        10259         4.0        8.0          8.0
## 4041   104168        10278        10260         6.0        9.0          9.0
## 4042   104169        10278        10261         6.0        9.0          9.0
## 4043   104170        10278        10262         5.0        7.0          8.0
## 4044   104171        10278        10263         8.0       10.0         10.0
## 4045   104172        10278        10264         3.0        6.0          8.0
## 4046   104173        10278        10265         4.0        7.0          7.0
## 4047   104174        10278        10266         5.0        8.0          8.0
## 4048   104175        10278        10267         5.0        9.0          9.0
## 4049   104176        10278        10268         6.0        7.0          8.0
## 4050   104177        10278        10269         5.0        4.0          8.0
## 4051   104178        10278        10270         2.0        4.0          8.0
## 4052   104179        10279        10250         4.0        6.0          8.0
## 4053   104180        10279        10251         7.0        7.0          7.0
## 4054   104181        10279        10252         6.0        3.0          4.0
## 4055   104182        10279        10253         6.0        6.0          7.0
## 4056   104183        10279        10254         6.0        5.0          7.0
## 4057   104184        10279        10255         3.0        5.0          6.0
## 4058   104185        10279        10256         5.0        6.0         10.0
## 4059   104186        10279        10257         7.0        8.0          8.0
## 4060   104187        10279        10258         4.0        7.0          7.0
## 4061   104188        10279        10259         6.0        8.0          9.0
## 4062   104189        10279        10260         6.0        7.0          8.0
## 4063   104190        10279        10261         7.0        4.0          9.0
## 4064   104191        10279        10262         4.0        4.0          6.0
## 4065   104192        10279        10263         9.0        6.0          9.0
## 4066   104193        10279        10264         4.0        7.0          9.0
## 4067   104194        10279        10265         4.0        6.0          7.0
## 4068   104195        10279        10266         5.0        6.0          7.0
## 4069   104196        10279        10267         6.0        6.0         10.0
## 4070   104197        10279        10268         6.0        6.0          7.0
## 4071   104198        10279        10269         4.0        5.0          6.0
## 4072   104199        10279        10270         7.0        6.0          9.0
## 4073   104200        10280        10250         1.0        2.0          5.0
## 4074   104201        10280        10251         7.0        7.0          7.0
## 4075   104202        10280        10252         7.0        6.0          5.0
## 4076   104203        10280        10253         6.0        7.0          7.0
## 4077   104204        10280        10254         6.0        8.0          6.0
## 4078   104205        10280        10255         7.0        7.0          7.0
## 4079   104206        10280        10256         7.0        9.0          9.0
## 4080   104207        10280        10257         7.0        7.0          8.0
## 4081   104208        10280        10258         7.0        8.0          6.0
## 4082   104209        10280        10259         5.0        7.0          8.0
## 4083   104210        10280        10260         8.0        8.0          7.0
## 4084   104211        10280        10261         9.0        9.0          9.0
```

```
## 4085   104212          10280       10280          8.0       8.0          7.0
## 4086   104213          10280       10263          9.0       8.0          8.0
## 4087   104214          10280       10264          4.0       8.0          6.0
## 4088   104215          10280       10265          6.0       5.0          6.0
## 4089   104216          10280       10266          7.0       5.0          6.0
## 4090   104217          10280       10267          6.0       8.0          5.0
## 4091   104218          10280       10268          6.0       7.0          6.0
## 4092   104219          10280       10269          7.0       7.0          7.0
## 4093   104220          10280       10270          6.0       7.0          9.0
## 4094   104221          10281       10250          6.0       1.0          5.0
## 4095   104222          10281       10251          4.0       8.0          8.0
## 4096   104223          10281       10252          6.0       6.0          6.0
## 4097   104224          10281       10253          6.0       7.0          7.0
## 4098   104225          10281       10254          5.0       7.0          6.0
## 4099   104226          10281       10255          4.0       7.0          9.0
## 4100   104227          10281       10256          9.0      10.0          8.0
## 4101   104228          10281       10257          6.0       9.0          9.0
## 4102   104229          10281       10258          4.0       7.0          5.0
## 4103   104230          10281       10259          3.0       6.0          7.0
## 4104   104231          10281       10260          6.0       7.0          7.0
## 4105   104232          10281       10261          8.0      10.0          9.0
## 4106   104233          10281       10262          4.0       8.0          8.0
## 4107   104234          10281       10263          6.0       7.0          7.0
## 4108   104235          10281       10264          2.0       7.0          7.0
## 4109   104236          10281       10265          3.0       7.0          7.0
## 4110   104237          10281       10266          5.0       7.0          8.0
## 4111   104238          10281       10267          7.0      10.0          7.0
## 4112   104239          10281       10268          5.0       7.0          7.0
## 4113   104240          10281       10269          4.0       6.0          5.0
## 4114   104241          10281       10270          5.0       7.0          7.0
## 4115   104242          10282       10250          2.0       4.0          4.0
## 4116   104243          10282       10251          7.0       7.0          7.0
## 4117   104244          10282       10252          6.0       3.0          5.0
## 4118   104245          10282       10253          6.0       7.0          7.0
## 4119   104246          10282       10254          7.0       7.0          7.0
## 4120   104247          10282       10255          6.0       7.0          8.0
## 4121   104248          10282       10256          6.0      10.0          9.0
## 4122   104249          10282       10257          7.0       8.0          9.0
## 4123   104250          10282       10258          7.0       8.0          8.0
## 4124   104251          10282       10259          3.0       5.0          6.0
## 4125   104252          10282       10260          8.0       8.0          8.0
## 4126   104253          10282       10261          6.0      10.0          9.0
## 4127   104254          10282       10262          7.0       8.0          8.0
## 4128   104255          10282       10263          8.0       8.0          8.0
## 4129   104256          10282       10264          6.0       6.0          7.0
## 4130   104257          10282       10265          3.0       6.0          6.0
## 4131   104258          10282       10266          8.0       8.0          7.0
## 4132   104259          10282       10267          6.0       8.0          8.0
## 4133   104260          10282       10268          5.0       7.0          7.0
## 4134   104261          10282       10269          5.0       3.0          4.0
## 4135   104262          10282       10270          3.0       4.0          6.0
## 4136   104263          10283       10250          1.0       1.0          6.0
## 4137   104264          10283       10251          6.0       8.0          8.0
## 4138   104265          10283       10252          3.0       5.0          5.0
```

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## 4139   104266          10283          10253          5.0          5.0               5.0
## 4140   104267          10283          10254          7.0          8.0               7.0
## 4141   104268          10283          10255          5.0          7.0               7.0
## 4142   104269          10283          10256          4.0         10.0              10.0
## 4143   104270          10283          10257          6.0          8.0               8.0
## 4144   104271          10283          10258          6.0          9.0               7.0
## 4145   104272          10283          10259          5.0          7.0               7.0
## 4146   104273          10283          10260          6.0          8.0               8.0
## 4147   104274          10283          10261          6.0         10.0               8.0
## 4148   104275          10283          10262          2.0          5.0               6.0
## 4149   104276          10283          10263          5.0          6.0               8.0
## 4150   104277          10283          10264          2.0          6.0               7.0
## 4151   104278          10283          10265          3.0          6.0               6.0
## 4152   104279          10283          10266          6.0          8.0               8.0
## 4153   104280          10283          10267          6.0          9.0               8.0
## 4154   104281          10283          10268          4.0          5.0               5.0
## 4155   104282          10283          10269          4.0          6.0               6.0
## 4156   104283          10283          10270          4.0          4.0               7.0
## 4157   104284          10284          10250          4.0          9.0               3.0
## 4158   104285          10284          10251          6.0          7.0               6.0
## 4159   104286          10284          10252          5.0          5.0               7.0
## 4160   104287          10284          10253          5.0          6.0               7.0
## 4161   104288          10284          10254          4.0          6.0               7.0
## 4162   104289          10284          10255          3.0          5.0               6.0
## 4163   104290          10284          10256          5.0          4.0               8.0
## 4164   104291          10284          10257          6.0          8.0               8.0
## 4165   104292          10284          10258          4.0          8.0               7.0
## 4166   104293          10284          10259          4.0          5.0               6.0
## 4167   104294          10284          10260          7.0          9.0               8.0
## 4168   104295          10284          10261          6.0         10.0              10.0
## 4169   104296          10284          10262          4.0          7.0               7.0
## 4170   104297          10284          10263          6.0          8.0               8.0
## 4171   104298          10284          10264          4.0          9.0               5.0
## 4172   104299          10284          10265          3.0          7.0               7.0
## 4173   104300          10284          10266          5.0          6.0               6.0
## 4174   104301          10284          10267          7.0          8.0               9.0
## 4175   104302          10284          10268          5.0          6.0               6.0
## 4176   104303          10284          10269          5.0          6.0               6.0
## 4177   104304          10284          10270          3.0          2.0               8.0
## 4178   104305          10285          10250          1.0          2.0               3.0
## 4179   104306          10285          10251          5.0          5.0               6.0
## 4180   104307          10285          10252          5.0          6.0               6.0
## 4181   104308          10285          10253          5.0          5.0               5.0
## 4182   104309          10285          10254          7.0          4.0               5.0
## 4183   104310          10285          10255          3.0          4.0               6.0
## 4184   104311          10285          10256          4.0          3.0               7.0
## 4185   104312          10285          10257          6.0          6.0               7.0
## 4186   104313          10285          10258          5.0          6.0               6.0
## 4187   104314          10285          10259          6.0          4.0               6.0
## 4188   104315          10285          10260          6.0          7.0               8.0
## 4189   104316          10285          10261          6.0          7.0               7.0
## 4190   104317          10285          10262          2.0          3.0               6.0
## 4191   104318          10285          10263          6.0          8.0               9.0
## 4192   104319          10285          10264          2.0          2.0               7.0
```

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## 4193   104320      10285      10265      3.0      7.0      7.0
## 4194   104321      10285      10266      5.0      5.0      6.0
## 4195   104322      10285      10267      6.0      8.0      8.0
## 4196   104323      10285      10268      4.0      6.0      5.0
## 4197   104324      10285      10269      4.0      4.0      4.0
## 4198   104325      10285      10270      2.0      2.0      6.0
## 4199   104326      10286      10250      1.0      6.0      5.0
## 4200   104327      10286      10251      5.0      5.0      6.0
## 4201   104328      10286      10252      5.0      9.0      8.0
## 4202   104329      10286      10253      6.0      6.0      6.0
## 4203   104330      10286      10254      6.0      7.0      7.0
## 4204   104331      10286      10255      4.0      5.0      6.0
## 4205   104332      10286      10256      6.0      5.0      9.0
## 4206   104333      10286      10257      7.0      7.0      7.0
## 4207   104334      10286      10258      8.0      8.0      8.0
## 4208   104335      10286      10259      7.0      6.0      7.0
## 4209   104336      10286      10260      9.0      8.0      7.0
## 4210   104337      10286      10261      5.0     10.0      9.0
## 4211   104338      10286      10262      8.0      7.0      7.0
## 4212   104339      10286      10263      6.0      7.0      7.0
## 4213   104340      10286      10264      6.0      8.0      8.0
## 4214   104341      10286      10265      5.0      5.0      6.0
## 4215   104342      10286      10266      7.0      7.0      7.0
## 4216   104343      10286      10267      7.0      9.0      8.0
## 4217   104344      10286      10268      6.0      7.0      7.0
## 4218   104345      10286      10269      7.0      6.0      6.0
## 4219   104346      10286      10270      5.0      5.0      8.0
## 4220   104347      10287      10250      2.0      6.0      6.0
## 4221   104348      10287      10251      7.0      7.0      7.0
## 4222   104349      10287      10252      5.0      7.0      6.0
## 4223   104350      10287      10253      6.0      7.0      7.0
## 4224   104351      10287      10254      7.0      7.0      6.0
## 4225   104352      10287      10255      5.0      7.0      7.0
## 4226   104353      10287      10256      9.0      6.0      8.0
## 4227   104354      10287      10257      7.0      8.0      7.0
## 4228   104355      10287      10258      7.0      7.0      8.0
## 4229   104356      10287      10259      6.0      7.0      7.0
## 4230   104357      10287      10260      8.0      8.0      9.0
## 4231   104358      10287      10261      6.0     10.0      9.0
## 4232   104359      10287      10262      6.0      8.0      8.0
## 4233   104360      10287      10263      6.0      6.0      6.0
## 4234   104361      10287      10264      7.0      9.0      8.0
## 4235   104362      10287      10265      5.0      5.0      5.0
## 4236   104363      10287      10266      5.0      7.0      9.0
## 4237   104364      10287      10267      8.0      8.0      8.0
## 4238   104365      10287      10268      6.0      5.0      6.0
## 4239   104366      10287      10269      4.0      7.0      7.0
## 4240   104367      10287      10270      6.0      6.0      7.0
## 4241   104368      10288      10250      4.0      2.0      7.0
## 4242   104369      10288      10251      6.0      7.0      7.0
## 4243   104370      10288      10252      8.0      3.0      3.0
## 4244   104371      10288      10253      6.0      6.0      6.0
## 4245   104372      10288      10254      7.0      6.0      6.0
## 4246   104373      10288      10255      7.0      8.0      8.0
```

```
## 4247   104374          10288          10256              4.0          7.0                9.0
## 4248   104375          10288          10257              7.0          7.0                9.0
## 4249   104376          10288          10258              7.0          9.0               10.0
## 4250   104377          10288          10259              7.0          8.0                7.0
## 4251   104378          10288          10260              6.0          6.0                7.0
## 4252   104379          10288          10261              8.0          9.0                9.0
## 4253   104380          10288          10262              5.0          6.0                7.0
## 4254   104381          10288          10263              9.0          5.0                8.0
## 4255   104382          10288          10264              8.0          5.0                8.0
## 4256   104383          10288          10265              4.0          6.0                7.0
## 4257   104384          10288          10266              8.0          8.0                9.0
## 4258   104385          10288          10267              9.0          6.0                8.0
## 4259   104386          10288          10268              5.0          6.0                7.0
## 4260   104387          10288          10269              6.0          7.0                7.0
## 4261   104388          10288          10270              7.0          6.0                9.0
## 4262   104389          10289          10250              1.0          7.0                9.0
## 4263   104390          10289          10251              4.0          7.0                7.0
## 4264   104391          10289          10252              5.0          7.0                9.0
## 4265   104392          10289          10253              7.0          7.0                7.0
## 4266   104393          10289          10254              5.0          6.0                7.0
## 4267   104394          10289          10255              5.0          7.0                9.0
## 4268   104395          10289          10256              4.0          5.0                9.0
## 4269   104396          10289          10257              6.0          8.0                8.0
## 4270   104397          10289          10258              6.0          7.0                9.0
## 4271   104398          10289          10259              4.0          8.0                8.0
## 4272   104399          10289          10260              7.0          8.0                8.0
## 4273   104400          10289          10261              4.0         10.0               10.0
## 4274   104401          10289          10262              7.0          6.0                6.0
## 4275   104402          10289          10263              6.0          7.0                7.0
## 4276   104403          10289          10264              7.0          8.0                9.0
## 4277   104404          10289          10265              4.0          7.0                7.0
## 4278   104405          10289          10266              5.0          8.0                9.0
## 4279   104406          10289          10267              7.0          8.0                9.0
## 4280   104407          10289          10268              4.0          5.0                8.0
## 4281   104408          10289          10269              4.0          7.0                6.0
## 4282   104409          10289          10270              5.0          6.0               10.0
## 4283   104410          10290          10250              8.0          1.0                8.0
## 4284   104411          10290          10251              5.0          7.0                6.0
## 4285   104412          10290          10252              8.0          7.0                5.0
## 4286   104413          10290          10253              6.0          7.0                7.0
## 4287   104414          10290          10254              7.0          7.0                7.0
## 4288   104415          10290          10255              7.0          7.0                7.0
## 4289   104416          10290          10256              9.0         10.0                9.0
## 4290   104417          10290          10257              7.0          7.0                8.0
## 4291   104418          10290          10258              8.0          8.0                8.0
## 4292   104419          10290          10259              6.0          6.0                6.0
## 4293   104420          10290          10260             10.0          9.0                9.0
## 4294   104421          10290          10261             10.0          8.0                9.0
## 4295   104422          10290          10262              6.0          7.0                6.0
## 4296   104423          10290          10263              9.0          6.0                8.0
## 4297   104424          10290          10264              6.0          7.0                8.0
## 4298   104425          10290          10265              5.0          5.0                6.0
## 4299   104426          10290          10266              9.0          8.0                9.0
## 4300   104427          10290          10267              8.0          7.0                7.0
```

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## 4301   104428        10290        10268           7.0           7.0              7.0
## 4302   104429        10290        10269           7.0           7.0              7.0
## 4303   104430        10290        10270           6.0           8.0              8.0
## 4304   104431        10291        10250           2.0           8.0              8.0
## 4305   104432        10291        10251           5.0           7.0              6.0
## 4306   104433        10291        10252           4.0           4.0              5.0
## 4307   104434        10291        10253           6.0           6.0              6.0
## 4308   104435        10291        10254           5.0           6.0              7.0
## 4309   104436        10291        10255           3.0           5.0              5.0
## 4310   104437        10291        10256           6.0           7.0              9.0
## 4311   104438        10291        10257           6.0           6.0              7.0
## 4312   104439        10291        10258           7.0           7.0              8.0
## 4313   104440        10291        10259           7.0           6.0              7.0
## 4314   104441        10291        10260           8.0           8.0              8.0
## 4315   104442        10291        10261           9.0           9.0              9.0
## 4316   104443        10291        10262           3.0           7.0              6.0
## 4317   104444        10291        10263           6.0           8.0              8.0
## 4318   104445        10291        10264           4.0           5.0              4.0
## 4319   104446        10291        10265           4.0           7.0              6.0
## 4320   104447        10291        10266           7.0           8.0              9.0
## 4321   104448        10291        10267           8.0           6.0              7.0
## 4322   104449        10291        10268           6.0           5.0              5.0
## 4323   104450        10291        10269           6.0           7.0              6.0
## 4324   104451        10291        10270           6.0           6.0              6.0
## 4325   104452        10292        10306           9.0           9.0              9.0
## 4326   104453        10292        10307          10.0          10.0             10.0
## 4327   104454        10292        10308           7.0           7.0              8.0
## 4328   104455        10292        10309           6.0           7.0              8.0
## 4329   104456        10292        10310           8.0           8.0              8.0
## 4330   104457        10292        10311           6.0           5.0              6.0
## 4331   104458        10292        10312           7.0           7.0              6.0
## 4332   104459        10292        10313           9.0           8.0             10.0
## 4333   104460        10292        10314           7.0           8.0              9.0
## 4334   104461        10292        10315           8.0           7.0              9.0
## 4335   104462        10292        10316           6.0           7.0              7.0
## 4336   104463        10292        10317          10.0           9.0              9.0
## 4337   104464        10292        10318          10.0           8.0             10.0
## 4338   104465        10292        10319           7.0           7.0              7.0
## 4339   104466        10293        10306           8.0           9.0              8.0
## 4340   104467        10293        10307           9.0          10.0              8.0
## 4341   104468        10293        10308           6.0           7.0              7.0
## 4342   104469        10293        10309           4.0           5.0              5.0
## 4343   104470        10293        10310           5.0           6.0              6.0
## 4344   104471        10293        10311           5.0           7.0              8.0
## 4345   104472        10293        10312           4.0           6.0              5.0
## 4346   104473        10293        10313           7.0           7.0              9.0
## 4347   104474        10293        10314           5.0           6.0              6.0
## 4348   104475        10293        10315           4.0           7.0              7.0
## 4349   104476        10293        10316           6.0           6.0              6.0
## 4350   104477        10293        10317           6.0           9.0              7.0
## 4351   104478        10293        10318           5.0           7.0              7.0
## 4352   104479        10293        10319           4.0           5.0              6.0
## 4353   104480        10294        10306           7.0           8.0              8.0
## 4354   104481        10294        10307           8.0          10.0             10.0
```

```
## 4355   104482        10294        10308         6.0          8.0            8.0
## 4356   104483        10294        10309         5.0          5.0            7.0
## 4357   104484        10294        10310         3.0          6.0            7.0
## 4358   104485        10294        10311         3.0          6.0            9.0
## 4359   104486        10294        10312         4.0          6.0            6.0
## 4360   104487        10294        10313         7.0          8.0            8.0
## 4361   104488        10294        10314         6.0          8.0            8.0
## 4362   104489        10294        10315         5.0         10.0            9.0
## 4363   104490        10294        10316         4.0          5.0            7.0
## 4364   104491        10294        10317         6.0          9.0            7.0
## 4365   104492        10294        10318         5.0          8.0            8.0
## 4366   104493        10294        10319         4.0          7.0            7.0
## 4367   104494        10295        10306         8.0          9.0            8.0
## 4368   104495        10295        10307        10.0         10.0            8.0
## 4369   104496        10295        10308         9.0          8.0            7.0
## 4370   104497        10295        10309         7.0          8.0            5.0
## 4371   104498        10295        10310         7.0          5.0            5.0
## 4372   104499        10295        10311         6.0          7.0            6.0
## 4373   104500        10295        10312         5.0          5.0            6.0
## 4374   104501        10295        10313         6.0          8.0            8.0
## 4375   104502        10295        10314         7.0          6.0            6.0
## 4376   104503        10295        10315         8.0          4.0            6.0
## 4377   104504        10295        10316         7.0          7.0            6.0
## 4378   104505        10295        10317         9.0          9.0            7.0
## 4379   104506        10295        10318         6.0         10.0            7.0
## 4380   104507        10295        10319         6.0          7.0            7.0
## 4381   104508        10296        10306         9.0          8.0            9.0
## 4382   104509        10296        10307         8.0         10.0            8.0
## 4383   104510        10296        10308         7.0          7.0            7.0
## 4384   104511        10296        10309         5.0          6.0            6.0
## 4385   104512        10296        10310         5.0          7.0            7.0
## 4386   104513        10296        10311         4.0          6.0            7.0
## 4387   104514        10296        10312         4.0          5.0            5.0
## 4388   104515        10296        10313         8.0          7.0            9.0
## 4389   104516        10296        10314         5.0          6.0            5.0
## 4390   104517        10296        10315         4.0          8.0            7.0
## 4391   104518        10296        10316         5.0          6.0            7.0
## 4392   104519        10296        10317         7.0          8.0            8.0
## 4393   104520        10296        10318         6.0         10.0            7.0
## 4394   104521        10296        10319         4.0          7.0            7.0
## 4395   104522        10297        10306         8.0          9.0            8.0
## 4396   104523        10297        10307         7.0         10.0            9.0
## 4397   104524        10297        10308         6.0          6.0            6.0
## 4398   104525        10297        10309         5.0          5.0            6.0
## 4399   104526        10297        10310         5.0          7.0            8.0
## 4400   104527        10297        10311         4.0          7.0            7.0
## 4401   104528        10297        10312         6.0          6.0            5.0
## 4402   104529        10297        10313         7.0          9.0            9.0
## 4403   104530        10297        10314         5.0          8.0            7.0
## 4404   104531        10297        10315         5.0          8.0            8.0
## 4405   104532        10297        10316         4.0          7.0            8.0
## 4406   104533        10297        10317         7.0          9.0            8.0
## 4407   104534        10297        10318         6.0         10.0            8.0
## 4408   104535        10297        10319         6.0          7.0            7.0
```

```
## 4409   104536        10298       10306           6.0         8.0              8.0
## 4410   104537        10298       10307          10.0        10.0              8.0
## 4411   104538        10298       10308           6.0         6.0              6.0
## 4412   104539        10298       10309           4.0         2.0              5.0
## 4413   104540        10298       10310           4.0         6.0              6.0
## 4414   104541        10298       10311           3.0         6.0              7.0
## 4415   104542        10298       10312           5.0         7.0              7.0
## 4416   104543        10298       10313           5.0         9.0              9.0
## 4417   104544        10298       10314           6.0         8.0              8.0
## 4418   104545        10298       10315           4.0         7.0              8.0
## 4419   104546        10298       10316           7.0         7.0              7.0
## 4420   104547        10298       10317           6.0         8.0              9.0
## 4421   104548        10298       10318           9.0         4.0              5.0
## 4422   104549        10298       10319           4.0         7.0              7.0
## 4423   104550        10299       10306           7.0         9.0              8.0
## 4424   104551        10299       10307           8.0        10.0             10.0
## 4425   104552        10299       10308           8.0         7.0              7.0
## 4426   104553        10299       10309           6.0         6.0              7.0
## 4427   104554        10299       10310           6.0         6.0              8.0
## 4428   104555        10299       10311           5.0         8.0              9.0
## 4429   104556        10299       10312           7.0         7.0              7.0
## 4430   104557        10299       10313           5.0         8.0              8.0
## 4431   104558        10299       10314           5.0         6.0              8.0
## 4432   104559        10299       10315           4.0        10.0             10.0
## 4433   104560        10299       10316           7.0         7.0              7.0
## 4434   104561        10299       10317           5.0         6.0              7.0
## 4435   104562        10299       10318           7.0         8.0              9.0
## 4436   104563        10299       10319           6.0         7.0              8.0
## 4437   104564        10300       10306           8.0         9.0             10.0
## 4438   104565        10300       10307           5.0         4.0              4.0
## 4439   104566        10300       10308           6.0         6.0              5.0
## 4440   104567        10300       10309           4.0         0.0              2.0
## 4441   104568        10300       10310           6.0         4.0              4.0
## 4442   104569        10300       10311           3.0         6.0              4.0
## 4443   104570        10300       10312           7.0         5.0              6.0
## 4444   104571        10300       10313           2.0         8.0              6.0
## 4445   104572        10300       10314           4.0         5.0              6.0
## 4446   104573        10300       10315           4.0         7.0              8.0
## 4447   104574        10300       10316           4.0         3.0              5.0
## 4448   104575        10300       10317           7.0         8.0              7.0
## 4449   104576        10300       10318           5.0         8.0              6.0
## 4450   104577        10300       10319           6.0         6.0              7.0
## 4451   104578        10301       10306           8.0         9.0             10.0
## 4452   104579        10301       10307          10.0        10.0             10.0
## 4453   104580        10301       10308           6.0         8.0              7.0
## 4454   104581        10301       10309           8.0         7.0              7.0
## 4455   104582        10301       10310           9.0         8.0              8.0
## 4456   104583        10301       10311           7.0         7.0              9.0
## 4457   104584        10301       10312           6.0         7.0              7.0
## 4458   104585        10301       10313           7.0         7.0              7.0
## 4459   104586        10301       10314           6.0         5.0              6.0
## 4460   104587        10301       10315           7.0         7.0              9.0
## 4461   104588        10301       10316           6.0         4.0              5.0
## 4462   104589        10301       10317           9.0         7.0              8.0
```

```
## 4463   104590        10301       10318          7.0          7.0           7.0
## 4464   104591        10301       10319          5.0          7.0           7.0
## 4465   104592        10302       10306          7.0          9.0           8.0
## 4466   104593        10302       10307          8.0         10.0           8.0
## 4467   104594        10302       10308          8.0          7.0           7.0
## 4468   104595        10302       10309          7.0          7.0           4.0
## 4469   104596        10302       10310          6.0          6.0           6.0
## 4470   104597        10302       10311          6.0          8.0           7.0
## 4471   104598        10302       10312          5.0          7.0           5.0
## 4472   104599        10302       10313          7.0          9.0           8.0
## 4473   104600        10302       10314          8.0          8.0           8.0
## 4474   104601        10302       10315          8.0          6.0           8.0
## 4475   104602        10302       10316          5.0          6.0           5.0
## 4476   104603        10302       10317          6.0          6.0           6.0
## 4477   104604        10302       10318          5.0          7.0           6.0
## 4478   104605        10302       10319          4.0          7.0           6.0
## 4479   104606        10303       10306          8.0          9.0           8.0
## 4480   104607        10303       10307         10.0         10.0          10.0
## 4481   104608        10303       10308          7.0          8.0           7.0
## 4482   104609        10303       10309          5.0          7.0           6.0
## 4483   104610        10303       10310          5.0          7.0           8.0
## 4484   104611        10303       10311          6.0          7.0           7.0
## 4485   104612        10303       10312          6.0          6.0           6.0
## 4486   104613        10303       10313          9.0          8.0           8.0
## 4487   104614        10303       10314          5.0          6.0           5.0
## 4488   104615        10303       10315          8.0          9.0           9.0
## 4489   104616        10303       10316          5.0          6.0           5.0
## 4490   104617        10303       10317          6.0          8.0           6.0
## 4491   104618        10303       10318          8.0          2.0           9.0
## 4492   104619        10303       10319          4.0          8.0           7.0
## 4493   104620        10304       10306         10.0         10.0          10.0
## 4494   104621        10304       10307         10.0         10.0           8.0
## 4495   104622        10304       10308          8.0          8.0           7.0
## 4496   104623        10304       10309          6.0          5.0           5.0
## 4497   104624        10304       10310          7.0          6.0           6.0
## 4498   104625        10304       10311          4.0          8.0           6.0
## 4499   104626        10304       10312          9.0          8.0           7.0
## 4500   104627        10304       10313          8.0          8.0           9.0
## 4501   104628        10304       10314          6.0          6.0           5.0
## 4502   104629        10304       10315          7.0         10.0           7.0
## 4503   104630        10304       10316          4.0          6.0           5.0
## 4504   104631        10304       10317          8.0          6.0           7.0
## 4505   104632        10304       10318          6.0          7.0           4.0
## 4506   104633        10304       10319          4.0          8.0           7.0
## 4507   104634        10305       10306          8.0          9.0           9.0
## 4508   104635        10305       10307         10.0         10.0          10.0
## 4509   104636        10305       10308          8.0          8.0           8.0
## 4510   104637        10305       10309          5.0          8.0           6.0
## 4511   104638        10305       10310          7.0          8.0           8.0
## 4512   104639        10305       10311          5.0          7.0           9.0
## 4513   104640        10305       10312          7.0          8.0           7.0
## 4514   104641        10305       10313         10.0          8.0          10.0
## 4515   104642        10305       10314          7.0          7.0           7.0
## 4516   104643        10305       10315          7.0          7.0           7.0
```

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## 4517  104644        10305        10316         6.0         6.0          7.0
## 4518  104645        10305        10317         9.0         9.0          7.0
## 4519  104646        10305        10318         6.0         8.0          8.0
## 4520  104647        10305        10319         6.0         8.0          7.0
## 4521  104648        10306        10292         4.0         9.0          9.0
## 4522  104649        10306        10293         4.0        10.0          9.0
## 4523  104650        10306        10294         5.0         5.0          6.0
## 4524  104651        10306        10295         5.0        10.0          8.0
## 4525  104652        10306        10296         6.0         8.0          8.0
## 4526  104653        10306        10297         8.0         9.0         10.0
## 4527  104654        10306        10298         6.0        10.0         10.0
## 4528  104655        10306        10299         5.0         6.0          8.0
## 4529  104656        10306        10300         5.0        10.0         10.0
## 4530  104657        10306        10301         4.0         6.0          7.0
## 4531  104658        10306        10302         2.0         8.0          9.0
## 4532  104659        10306        10303         5.0         8.0          8.0
## 4533  104660        10306        10304         9.0         9.0          9.0
## 4534  104661        10306        10305         3.0         6.0          7.0
## 4535  104662        10307        10292         7.0         9.0          8.0
## 4536  104663        10307        10293         6.0         8.0          7.0
## 4537  104664        10307        10294         7.0         8.0          9.0
## 4538  104665        10307        10295         7.0         8.0          8.0
## 4539  104666        10307        10296         7.0         9.0          9.0
## 4540  104667        10307        10297         7.0         8.0          8.0
## 4541  104668        10307        10298        10.0        10.0         10.0
## 4542  104669        10307        10299         6.0         7.0         10.0
## 4543  104670        10307        10300         4.0         9.0          8.0
## 4544  104671        10307        10301         7.0         8.0          8.0
## 4545  104672        10307        10302         6.0         7.0          8.0
## 4546  104673        10307        10303         7.0         9.0          9.0
## 4547  104674        10307        10304         8.0         9.0          8.0
## 4548  104675        10307        10305         4.0         7.0          6.0
## 4549  104676        10308        10292         5.0         6.0          5.0
## 4550  104677        10308        10293         6.0         9.0         10.0
## 4551  104678        10308        10294         6.0         5.0          5.0
## 4552  104679        10308        10295         7.0         8.0          9.0
## 4553  104680        10308        10296         7.0         7.0          8.0
## 4554  104681        10308        10297         8.0         8.0          8.0
## 4555  104682        10308        10298         6.0         9.0         10.0
## 4556  104683        10308        10299         3.0         7.0          7.0
## 4557  104684        10308        10300         3.0         7.0          7.0
## 4558  104685        10308        10301         7.0         5.0          7.0
## 4559  104686        10308        10302         8.0         7.0          9.0
## 4560  104687        10308        10303         8.0         7.0          8.0
## 4561  104688        10308        10304         7.0         6.0          6.0
## 4562  104689        10308        10305         4.0         6.0          6.0
## 4563  104690        10309        10292         6.0         6.0          6.0
## 4564  104691        10309        10293         7.0         7.0          7.0
## 4565  104692        10309        10294         7.0         6.0          6.0
## 4566  104693        10309        10295         5.0         9.0          9.0
## 4567  104694        10309        10296         8.0         9.0          9.0
## 4568  104695        10309        10297        10.0         9.0          9.0
## 4569  104696        10309        10298         7.0        10.0          9.0
## 4570  104697        10309        10299         7.0         8.0          9.0
```

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## 4571   104698        10309       10300          7.0           9.0              7.0
## 4572   104699        10309       10301          8.0           7.0              8.0
## 4573   104700        10309       10302          7.0           7.0              7.0
## 4574   104701        10309       10303          9.0           8.0              8.0
## 4575   104702        10309       10304          8.0           8.0              7.0
## 4576   104703        10309       10305          7.5           8.0              8.0
## 4577   104704        10310       10292          6.0           8.0              7.0
## 4578   104705        10310       10293          5.0           7.0              7.0
## 4579   104706        10310       10294          6.0           6.0              6.0
## 4580   104707        10310       10295          5.0           5.0              5.0
## 4581   104708        10310       10296          8.0           9.0              9.0
## 4582   104709        10310       10297          8.0           9.0              9.0
## 4583   104710        10310       10298          8.0          10.0              9.0
## 4584   104711        10310       10299          5.0           6.0              8.0
## 4585   104712        10310       10300         10.0          10.0             10.0
## 4586   104713        10310       10301          6.0          10.0              9.0
## 4587   104714        10310       10302          7.0           6.0              8.0
## 4588   104715        10310       10303          7.0           8.0              8.0
## 4589   104716        10310       10304          7.0           8.0              8.0
## 4590   104717        10310       10305          7.0           8.0              7.5
## 4591   104718        10311       10292          5.0           8.0              8.0
## 4592   104719        10311       10293          7.0           7.0              7.0
## 4593   104720        10311       10294          8.0           8.0              9.0
## 4594   104721        10311       10295          5.0           7.0              7.0
## 4595   104722        10311       10296          8.0           8.0              8.0
## 4596   104723        10311       10297          8.0           9.0              9.0
## 4597   104724        10311       10298          9.0          10.0             10.0
## 4598   104725        10311       10299          7.0           7.0              8.0
## 4599   104726        10311       10300          6.0          10.0              7.0
## 4600   104727        10311       10301          7.0           8.0              8.0
## 4601   104728        10311       10302          6.0           9.0              8.0
## 4602   104729        10311       10303          7.0           7.0              7.0
## 4603   104730        10311       10304          7.0           8.0              8.0
## 4604   104731        10311       10305          8.0           9.0              9.0
## 4605   104732        10312       10292          4.0           9.0              8.0
## 4606   104733        10312       10293          6.0           8.0              9.0
## 4607   104734        10312       10294          5.0           5.0              6.0
## 4608   104735        10312       10295          5.0           7.0              7.0
## 4609   104736        10312       10296          6.0           8.0              8.0
## 4610   104737        10312       10297          8.0           9.0              8.0
## 4611   104738        10312       10298          4.0           9.0             10.0
## 4612   104739        10312       10299          7.0           6.0              7.0
## 4613   104740        10312       10300          5.0           7.0             10.0
## 4614   104741        10312       10301          6.0           7.0              9.0
## 4615   104742        10312       10302          6.0           9.0             10.0
## 4616   104743        10312       10303          6.0           8.0              9.0
## 4617   104744        10312       10304          6.0           8.0              7.0
## 4618   104745        10312       10305          4.0           8.0              8.0
## 4619   104746        10313       10292          6.0           8.0              8.0
## 4620   104747        10313       10293          7.0           7.0              8.0
## 4621   104748        10313       10294          7.0           8.0              8.0
## 4622   104749        10313       10295          3.0           5.0              7.0
## 4623   104750        10313       10296          9.0           8.0              8.0
## 4624   104751        10313       10297          7.0           7.0             10.0
```

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## 4625   104752        10313       10298          8.0          10.0          10.0
## 4626   104753        10313       10299          5.0           6.0           6.0
## 4627   104754        10313       10300          7.0           6.0           6.0
## 4628   104755        10313       10301          5.0           6.0           8.0
## 4629   104756        10313       10302          6.0           8.0          10.0
## 4630   104757        10313       10303          5.0           9.0           9.0
## 4631   104758        10313       10304          8.0           8.0           8.0
## 4632   104759        10313       10305          6.5           8.0           8.0
## 4633   104760        10314       10292          8.0           9.0           9.0
## 4634   104761        10314       10293          5.0           7.0           8.0
## 4635   104762        10314       10294          9.0           8.0           8.0
## 4636   104763        10314       10295          7.0           7.0           7.0
## 4637   104764        10314       10296          9.0           9.0           9.0
## 4638   104765        10314       10297         10.0          10.0          10.0
## 4639   104766        10314       10298          8.0           9.0           9.0
## 4640   104767        10314       10299          6.0           6.0           7.0
## 4641   104768        10314       10300          7.0           6.0           6.0
## 4642   104769        10314       10301          6.0           7.0           8.0
## 4643   104770        10314       10302          9.0           8.0           9.0
## 4644   104771        10314       10303          7.0           5.0           7.0
## 4645   104772        10314       10304          7.0           8.0           8.0
## 4646   104773        10314       10305          6.0           7.0           7.0
## 4647   104774        10315       10292          8.0           8.0           7.0
## 4648   104775        10315       10293          8.0           6.0           7.0
## 4649   104776        10315       10294          8.0          10.0           8.0
## 4650   104777        10315       10295          8.0           8.0           7.0
## 4651   104778        10315       10296          9.0           7.0           8.0
## 4652   104779        10315       10297          8.0           9.0           9.0
## 4653   104780        10315       10298         10.0           9.0          10.0
## 4654   104781        10315       10299          9.0           8.0           8.0
## 4655   104782        10315       10300          7.0          10.0           7.0
## 4656   104783        10315       10301          7.0           7.0           7.0
## 4657   104784        10315       10302          7.0           7.0           8.0
## 4658   104785        10315       10303          8.0           5.0           8.0
## 4659   104786        10315       10304          7.0           8.0           8.0
## 4660   104787        10315       10305          7.0           6.0           7.0
## 4661   104788        10316       10292          3.0           8.0           8.0
## 4662   104789        10316       10293          5.0           9.0           8.0
## 4663   104790        10316       10294          5.0           5.0           5.0
## 4664   104791        10316       10295          3.0           8.0           8.0
## 4665   104792        10316       10296          6.0           7.0           8.0
## 4666   104793        10316       10297          7.0           9.0          10.0
## 4667   104794        10316       10298          7.0          10.0           9.0
## 4668   104795        10316       10299          5.0          10.0          10.0
## 4669   104796        10316       10300          7.0           8.0           5.0
## 4670   104797        10316       10301          5.0           7.0           7.0
## 4671   104798        10316       10302          5.0           6.0           7.0
## 4672   104799        10316       10303          4.0           7.0           8.0
## 4673   104800        10316       10304          5.0           6.0           6.0
## 4674   104801        10316       10305          4.0           6.0           7.0
## 4675   104802        10317       10292          2.0           8.0           7.0
## 4676   104803        10317       10293          4.0           8.0           7.0
## 4677   104804        10317       10294          7.0           9.0           9.0
## 4678   104805        10317       10295          3.0          10.0          10.0
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## 4679   104806        10317       10296         6.0        7.0            7.0
## 4680   104807        10317       10297         7.0        8.0            8.0
## 4681   104808        10317       10298         8.0       10.0           10.0
## 4682   104809        10317       10299         5.0        6.0           10.0
## 4683   104810        10317       10300         2.0       10.0            8.0
## 4684   104811        10317       10301         3.0        6.0            5.0
## 4685   104812        10317       10302         3.0        6.0            5.0
## 4686   104813        10317       10303         4.0        6.0            7.0
## 4687   104814        10317       10304         5.0        6.0            6.0
## 4688   104815        10317       10305         3.0        8.0            6.0
## 4689   104816        10318       10292         4.0        5.0            7.0
## 4690   104817        10318       10293         5.0        9.0            8.0
## 4691   104818        10318       10294         5.0        5.0            5.0
## 4692   104819        10318       10295         3.0        7.0            7.0
## 4693   104820        10318       10296         6.0        7.0            7.0
## 4694   104821        10318       10297         7.0        9.0            9.0
## 4695   104822        10318       10298         8.0        9.0           10.0
## 4696   104823        10318       10299         5.0        6.0           10.0
## 4697   104824        10318       10300         6.0        9.0            8.0
## 4698   104825        10318       10301         5.0        8.0            9.0
## 4699   104826        10318       10302         5.0        6.0            7.0
## 4700   104827        10318       10303         7.0        7.0            7.0
## 4701   104828        10318       10304         6.0        6.0            7.0
## 4702   104829        10318       10305         5.0        6.0            6.0
## 4703   104830        10319       10292         5.0        7.0            7.0
## 4704   104831        10319       10293         7.0        7.0            7.0
## 4705   104832        10319       10294         8.0        7.0            8.0
## 4706   104833        10319       10295         4.0        7.0            7.0
## 4707   104834        10319       10296         7.0        7.0            7.0
## 4708   104835        10319       10297         6.0        7.0            7.0
## 4709   104836        10319       10298         9.0        8.0           10.0
## 4710   104837        10319       10299         6.0        6.0            7.0
## 4711   104838        10319       10300         7.0        6.0            7.0
## 4712   104839        10319       10301         4.0        6.0            8.0
## 4713   104840        10319       10302         5.0        5.0            6.0
## 4714   104841        10319       10303         7.0        6.0            7.0
## 4715   104842        10319       10304         6.0        6.0            8.0
## 4716   104843        10319       10305         4.0        7.0            8.0
## 4717   104844        10320       10330         7.0        7.0            7.0
## 4718   104845        10320       10331         6.0        6.0            7.0
## 4719   104846        10320       10332         6.0        7.0            6.0
## 4720   104847        10320       10333         5.0        4.0            4.0
## 4721   104848        10320       10334         6.0        8.0            8.0
## 4722   104849        10320       10335         9.0        9.0            9.0
## 4723   104850        10320       10336         6.0        6.0            6.0
## 4724   104853        10321       10330         8.0       10.0            9.0
## 4725   104854        10321       10331         8.0        8.0            7.0
## 4726   104855        10321       10332         8.0        7.0            7.0
## 4728   104857        10321       10334         6.0        5.0            4.0
## 4729   104858        10321       10335        10.0       10.0            9.0
## 4730   104859        10321       10336         6.0        6.0            7.0
## 4731   104862        10322       10330        10.0       10.0            9.0
## 4732   104863        10322       10331         7.0        8.0            7.0
## 4733   104864        10322       10332         6.0        8.0            6.0
```

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## 4734   104865          10322       10333        6.0        7.0            7.0
## 4735   104866          10322       10334        7.0        7.0            6.0
## 4736   104867          10322       10335        6.0        6.0            7.0
## 4737   104868          10322       10336        5.0        6.0            6.0
## 4738   104871          10323       10330        5.0       10.0            9.0
## 4739   104872          10323       10331        5.0        8.0            7.0
## 4740   104873          10323       10332        7.0        8.0            8.0
## 4741   104874          10323       10333        4.0        8.0            5.0
## 4742   104875          10323       10334        6.0        8.0            8.0
## 4743   104876          10323       10335       10.0        9.0            9.0
## 4744   104877          10323       10336        5.0        6.0            7.0
## 4745   104880          10324       10330        6.0       10.0            9.0
## 4746   104881          10324       10331        4.0        7.0            5.0
## 4747   104882          10324       10332        6.0        8.0            8.0
## 4748   104883          10324       10333        4.0        7.0            6.0
## 4749   104884          10324       10334        4.0        8.0            7.0
## 4750   104885          10324       10335        7.0       10.0            9.0
## 4751   104886          10324       10336        5.0        8.0            8.0
## 4752   104889          10325       10330        9.0       10.0           10.0
## 4753   104890          10325       10331        7.0        8.0            7.0
## 4754   104891          10325       10332        9.0        7.0            7.0
## 4755   104892          10325       10333        7.0        6.0            7.0
## 4756   104893          10325       10334        8.0        5.0            7.0
## 4757   104894          10325       10335       10.0       10.0           10.0
## 4758   104895          10325       10336        8.0        8.0            8.0
## 4759   104898          10326       10330       10.0       10.0            9.0
## 4760   104899          10326       10331        6.0        8.0            7.0
## 4761   104900          10326       10332        8.0        8.0            8.0
## 4762   104901          10326       10333        5.0        8.0            6.0
## 4763   104902          10326       10334        5.0        7.0            7.0
## 4764   104903          10326       10335        9.0        6.0            8.0
## 4765   104904          10326       10336        8.0        8.0            8.0
## 4766   104907          10327       10330        4.0        6.0            8.0
## 4767   104908          10327       10331        4.0        6.0            6.0
## 4768   104909          10327       10332        6.0        7.0            7.0
## 4769   104910          10327       10333        5.0        7.0            5.0
## 4770   104911          10327       10334        2.0        2.0            5.0
## 4771   104912          10327       10335        7.0        9.0            8.0
## 4772   104913          10327       10336        6.0        8.0            7.0
## 4773   104916          10328       10330        7.0        7.0            8.0
## 4774   104917          10328       10331        9.0        8.0            7.0
## 4775   104918          10328       10332        8.0        8.0            8.0
## 4776   104919          10328       10333        8.0        8.0            8.0
## 4777   104920          10328       10334        6.0        3.0            7.0
## 4778   104921          10328       10335       10.0        7.0            8.0
## 4779   104922          10328       10336        7.0        7.0            8.0
## 4780   104925          10329       10330        4.0        8.0            8.0
## 4781   104926          10329       10331        3.0        4.0            3.0
## 4782   104927          10329       10332        5.0        8.0            7.0
## 4783   104928          10329       10333        3.0        6.0            4.0
## 4784   104929          10329       10334        2.0        7.0            7.0
## 4785   104930          10329       10335        8.0        9.0            7.0
## 4786   104931          10329       10336        6.0        5.0            7.0
## 4787   104934          10330       10320        8.0        7.0           10.0
```

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## 4788   104935        10330       10321            6.0         7.0              8.0
## 4789   104936        10330       10322            1.0        10.0             10.0
## 4790   104937        10330       10323            5.0         7.0              8.0
## 4791   104938        10330       10324            7.0        10.0              8.0
## 4792   104939        10330       10325            5.0        10.0              8.0
## 4793   104940        10330       10326            6.0         8.0              8.0
## 4794   104941        10330       10327            6.0         7.0              7.0
## 4795   104942        10330       10328            3.0         9.0              8.0
## 4796   104943        10330       10329            4.0         8.0              8.0
## 4797   104944        10331       10320           10.0         7.0             10.0
## 4798   104945        10331       10321            8.0         7.0              8.0
## 4799   104946        10331       10322            3.0         6.0              7.0
## 4800   104947        10331       10323            7.0         7.0              7.0
## 4801   104948        10331       10324            9.0        10.0              9.0
## 4802   104949        10331       10325            8.0         8.0              8.0
## 4803   104950        10331       10326            8.0         8.0              8.0
## 4804   104951        10331       10327            7.0         6.0              8.0
## 4805   104952        10331       10328            8.0         9.0              9.0
## 4806   104953        10331       10329           10.0         8.0              5.0
## 4807   104954        10332       10320            8.0         7.0             10.0
## 4808   104955        10332       10321            8.0         7.0              8.0
## 4809   104956        10332       10322            2.0         6.0              8.0
## 4810   104957        10332       10323            7.0         6.0              7.0
## 4811   104958        10332       10324            8.0        10.0              9.0
## 4812   104959        10332       10325            8.0         8.0              8.0
## 4813   104960        10332       10326            8.0         6.0              8.0
## 4814   104961        10332       10327            8.0         6.0              8.0
## 4815   104962        10332       10328            6.0         8.0              6.0
## 4816   104963        10332       10329           10.0         8.0              7.0
## 4817   104964        10333       10320            5.0         7.0             10.0
## 4818   104965        10333       10321            6.0         7.0              7.0
## 4819   104966        10333       10322            1.0         7.0             10.0
## 4820   104967        10333       10323            8.0         7.0              8.0
## 4821   104968        10333       10324            7.0        10.0             10.0
## 4822   104969        10333       10325            8.0        10.0              8.0
## 4823   104970        10333       10326            8.0         7.0              8.0
## 4824   104971        10333       10327            6.0         7.0              8.0
## 4825   104972        10333       10328            6.0         7.0              9.0
## 4826   104973        10333       10329            7.0         7.0              7.0
## 4827   104974        10334       10320            8.0         7.0             10.0
## 4828   104975        10334       10321            6.0         7.0              7.0
## 4829   104976        10334       10322            3.0         7.0              8.0
## 4830   104977        10334       10323            6.0         7.0              6.0
## 4831   104978        10334       10324            7.0        10.0              9.0
## 4832   104979        10334       10325            8.0         8.0              8.0
## 4833   104980        10334       10326            6.0         8.0              8.0
## 4834   104981        10334       10327            7.0         7.0              9.0
## 4835   104982        10334       10328            4.0         9.0              8.0
## 4836   104983        10334       10329            6.0         7.0              7.0
## 4837   104984        10335       10320            8.0         7.0             10.0
## 4838   104985        10335       10321            6.0         8.0              7.0
## 4839   104986        10335       10322            1.0         7.0              9.0
## 4840   104987        10335       10323            6.0         8.0              8.0
## 4841   104988        10335       10324            8.0        10.0              9.0
```

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## 4842   104989        10335       10325          8.0        10.0           8.0
## 4843   104990        10335       10326          7.0         9.0           8.0
## 4844   104991        10335       10327          6.0         8.0           8.0
## 4845   104992        10335       10328          4.0         8.0           8.0
## 4846   104993        10335       10329          5.0         7.0           7.0
## 4847   104994        10336       10320          5.0         7.0          10.0
## 4848   104995        10336       10321          6.0         7.0           7.0
## 4849   104996        10336       10322          1.0         7.0           9.0
## 4850   104997        10336       10323          5.0         5.0           7.0
## 4851   104998        10336       10324          7.0        10.0           9.0
## 4852   104999        10336       10325          8.0         8.0           8.0
## 4853   105000        10336       10326          5.0         7.0           7.0
## 4854   105001        10336       10327          3.0         7.0           8.0
## 4855   105002        10336       10328          4.0         9.0           8.0
## 4856   105003        10336       10329          4.0         8.0           7.0
## 4857   105024        10339       10359          7.0         8.0           9.0
## 4858   105025        10339       10360          8.0         8.0           8.0
## 4859   105026        10339       10361          6.0         7.0           7.0
## 4860   105027        10339       10362          8.0         9.0           8.0
## 4861   105028        10339       10363          6.0         7.0           7.0
## 4862   105029        10339       10364          9.0         8.0           8.0
## 4863   105030        10339       10365          6.0         8.0           7.0
## 4864   105031        10339       10366          8.0         7.0           8.0
## 4866   105033        10339       10368          6.0         9.0           7.0
## 4867   105034        10339       10369          8.0         7.0           7.0
## 4869   105036        10339       10371          8.0         7.0           9.0
## 4870   105037        10339       10372          7.0         6.0           6.0
## 4871   105038        10339       10373          4.0         7.0           7.0
## 4872   105039        10339       10374          8.0         9.0           7.0
## 4873   105040        10339       10375          8.0         8.0           8.0
## 4874   105041        10339       10376          6.0         7.0           6.0
## 4875   105042        10340       10359          6.0         7.0           7.0
## 4876   105043        10340       10360          6.0         7.0           7.0
## 4877   105044        10340       10361          6.0         8.0           8.0
## 4878   105045        10340       10362          6.0         7.0           7.0
## 4879   105046        10340       10363          5.0         5.0           6.0
## 4880   105047        10340       10364          7.0         6.0           6.0
## 4881   105048        10340       10365          7.0         6.0           6.0
## 4882   105049        10340       10366          7.0         8.0           8.0
## 4883   105050        10340       10367         10.0         8.0           7.0
## 4884   105051        10340       10368          5.0         5.0           6.0
## 4885   105052        10340       10369          6.0        10.0           9.0
## 4886   105053        10340       10370          7.0         7.0           7.0
## 4888   105055        10340       10372          5.0         5.0           6.0
## 4889   105056        10340       10373          3.0         6.0           6.0
## 4890   105057        10340       10374          6.0         9.0           8.0
## 4891   105058        10340       10375          5.0         5.0           5.0
## 4892   105059        10340       10376          4.0         6.0           6.0
## 4893   105060        10341       10359         10.0        10.0          10.0
## 4894   105061        10341       10360          7.0         7.0           7.0
## 4895   105062        10341       10361          4.0         7.0           7.0
## 4896   105063        10341       10362          3.0         9.0           8.0
## 4897   105064        10341       10363          6.0         9.0           9.0
## 4898   105065        10341       10364          6.0         7.0           6.0
```

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## 4899  105066        10341    10365         3.0       6.0           6.0
## 4900  105067        10341    10366         5.0       7.0           8.0
## 4901  105068        10341    10367         8.0       7.0          10.0
## 4902  105069        10341    10368         3.0       6.0           7.0
## 4903  105070        10341    10369         2.0      10.0           7.0
## 4904  105071        10341    10370         5.0       9.0           9.0
## 4905  105072        10341    10371         7.0       9.0          10.0
## 4906  105073        10341    10372         5.0       5.0           6.0
## 4908  105075        10341    10374         5.0       9.0           7.0
## 4910  105077        10341    10376         5.0       7.0           8.0
## 4911  105078        10342    10359         9.0       9.0          10.0
## 4912  105079        10342    10360         8.0       8.0           8.0
## 4913  105080        10342    10361         6.0       7.0           7.0
## 4914  105081        10342    10362         8.0       7.0           8.0
## 4915  105082        10342    10363         8.0       6.0           7.0
## 4916  105083        10342    10364         8.0       9.0           9.0
## 4917  105084        10342    10365         5.0       5.0           6.0
## 4918  105085        10342    10366         7.0       8.0           8.0
## 4919  105086        10342    10367        10.0       8.0           9.0
## 4920  105087        10342    10368         6.0       6.0           8.0
## 4921  105088        10342    10369         4.0       8.0           7.0
## 4923  105090        10342    10371         7.0       9.0           9.0
## 4925  105092        10342    10373         3.0       5.0           7.0
## 4926  105093        10342    10374         7.0       9.0           7.0
## 4927  105094        10342    10375         8.0       8.0           8.0
## 4928  105095        10342    10376         7.0       8.0           6.0
## 4930  105097        10343    10360         7.0       7.0           8.0
## 4931  105098        10343    10361         5.0       8.0           7.0
## 4932  105099        10343    10362         7.0       9.0           9.0
## 4933  105100        10343    10363         3.0       8.0           6.0
## 4934  105101        10343    10364         6.0       6.0           6.0
## 4935  105102        10343    10365         7.0       7.0           7.0
## 4936  105103        10343    10366         7.0       8.0           8.0
## 4937  105104        10343    10367        10.0       8.0          10.0
## 4938  105105        10343    10368         5.0      10.0          10.0
## 4939  105106        10343    10369         4.0       8.0           7.0
## 4940  105107        10343    10370         7.0       7.0           6.0
## 4941  105108        10343    10371         7.0       8.0           9.0
## 4942  105109        10343    10372         6.0       5.0           6.0
## 4943  105110        10343    10373         3.0       7.0           6.0
## 4944  105111        10343    10374         6.0       7.0           7.0
## 4945  105112        10343    10375         5.0       8.0           9.0
## 4946  105113        10343    10376         7.0       8.0           7.0
## 4947  105132        10345    10359         4.0       9.0           7.0
## 4948  105133        10345    10360         6.0       7.0           7.0
## 4949  105134        10345    10361         2.0       4.0           4.0
## 4950  105135        10345    10362         3.0       8.0           6.0
## 4951  105136        10345    10363         4.0       8.0           8.0
## 4952  105137        10345    10364         2.0       6.0           7.0
## 4955  105140        10345    10367         4.0       4.0           5.0
## 4956  105141        10345    10368         2.0      10.0           6.0
## 4957  105142        10345    10369         2.0       8.0           8.0
## 4958  105143        10345    10370         2.0       6.0           7.0
## 4959  105144        10345    10371         4.0       3.0           4.0
```

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## 4960   105145        10345        10372         5.0          4.0           5.0
## 4961   105146        10345        10373         1.0          4.0           2.0
## 4962   105147        10345        10374         4.0          9.0           8.0
## 4963   105148        10345        10375         5.0          6.0           5.0
## 4965   105150        10346        10359         7.0          7.0           8.0
## 4966   105151        10346        10360         5.0          8.0           7.0
## 4967   105152        10346        10361         6.0          8.0           9.0
## 4968   105153        10346        10362         6.0          8.0           8.0
## 4969   105154        10346        10363         2.0          7.0           9.0
## 4970   105155        10346        10364         5.0          6.0           6.0
## 4971   105156        10346        10365         5.0          8.0           7.0
## 4972   105157        10346        10366         6.0          7.0           7.0
## 4973   105158        10346        10367         4.0          4.0           5.0
## 4974   105159        10346        10368         4.0          7.0           5.0
## 4975   105160        10346        10369         3.0          8.0           7.0
## 4976   105161        10346        10370         5.0          9.0           7.0
## 4977   105162        10346        10371         6.0          9.0          10.0
## 4978   105163        10346        10372         5.0          6.0           5.0
## 4979   105164        10346        10373         3.0          6.0           6.0
## 4980   105165        10346        10374         5.0          9.0           7.0
## 4981   105166        10346        10375         5.0          9.0           8.0
## 4982   105167        10346        10376         4.0          8.0           8.0
## 4983   105168        10347        10359        10.0         10.0          10.0
## 4984   105169        10347        10360         8.0          8.0           8.0
## 4985   105170        10347        10361         7.0          8.0           7.0
## 4986   105171        10347        10362         9.0          8.0           9.0
## 4987   105172        10347        10363         7.0          7.0           6.0
## 4988   105173        10347        10364         9.0         10.0           8.0
## 4989   105174        10347        10365         8.0          7.0           7.0
## 4990   105175        10347        10366         7.0          8.0           7.0
## 4992   105177        10347        10368         5.0          6.0           6.0
## 4993   105178        10347        10369         8.0          8.0           7.0
## 4994   105179        10347        10370         9.0          9.0           9.0
## 4995   105180        10347        10371        10.0         10.0          10.0
## 4996   105181        10347        10372         8.0          7.0           6.0
## 4997   105182        10347        10373        10.0          8.0           6.0
## 4998   105183        10347        10374        10.0          9.0           8.0
## 4999   105184        10347        10375         8.0          8.0           8.0
## 5000   105185        10347        10376         6.0          7.0           6.0
## 5001   105186        10348        10359        10.0         10.0          10.0
## 5002   105187        10348        10360         8.0          8.0           8.0
## 5003   105188        10348        10361         7.0          8.0           8.0
## 5004   105189        10348        10362         6.0          9.0           9.0
## 5005   105190        10348        10363         9.0          6.0           6.0
## 5006   105191        10348        10364         8.0          7.0           7.0
## 5007   105192        10348        10365         7.0          7.0           6.0
## 5008   105193        10348        10366         7.0          8.0           7.0
## 5009   105194        10348        10367         8.0          8.0          10.0
## 5010   105195        10348        10368         8.0          7.0           7.0
## 5011   105196        10348        10369         7.0          8.0           7.0
## 5012   105197        10348        10370         9.0          8.0           7.0
## 5013   105198        10348        10371        10.0          9.0           9.0
## 5014   105199        10348        10372         6.0          5.0           6.0
## 5015   105200        10348        10373         7.0          7.0           8.0
```

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## 5016   105201        10348        10374        6.0        9.0              7.0
## 5017   105202        10348        10375        7.0        8.0              9.0
## 5018   105203        10348        10376        8.0        8.0              6.0
## 5020   105205        10349        10360        7.0        7.0              8.0
## 5021   105206        10349        10361        7.0        7.0              6.0
## 5022   105207        10349        10362        9.0        9.0              9.0
## 5023   105208        10349        10363        7.0        7.0              6.0
## 5024   105209        10349        10364        6.0        8.0              8.0
## 5025   105210        10349        10365        8.0        6.0              5.0
## 5026   105211        10349        10366        8.0        7.0              7.0
## 5027   105212        10349        10367        6.0        8.0              8.0
## 5028   105213        10349        10368        3.0        7.0              7.0
## 5029   105214        10349        10369        6.0        7.0              7.0
## 5030   105215        10349        10370        7.0        9.0              7.0
## 5031   105216        10349        10371        9.0        6.0              9.0
## 5032   105217        10349        10372        7.0        6.0              5.0
## 5033   105218        10349        10373        7.0        6.0              5.0
## 5034   105219        10349        10374        5.0        9.0              6.0
## 5035   105220        10349        10375        8.0        8.0              8.0
## 5036   105221        10349        10376        8.0        7.0              7.0
## 5037   105222        10350        10359        6.0       10.0              6.0
## 5038   105223        10350        10360        6.0        8.0              7.0
## 5039   105224        10350        10361        8.0        8.0              7.0
## 5040   105225        10350        10362        7.0        9.0              9.0
## 5041   105226        10350        10363        4.0        6.0              7.0
## 5042   105227        10350        10364        6.0        8.0              7.0
## 5043   105228        10350        10365        4.0        4.0              4.0
## 5044   105229        10350        10366        7.0        9.0              8.0
## 5045   105230        10350        10367        7.0       10.0              9.0
## 5046   105231        10350        10368        3.0        8.0              7.0
## 5047   105232        10350        10369        6.0        8.0              8.0
## 5048   105233        10350        10370        6.0        9.0              8.0
## 5049   105234        10350        10371        6.0        9.0              9.0
## 5050   105235        10350        10372        7.0        6.0              5.0
## 5051   105236        10350        10373        5.0        5.0              4.0
## 5052   105237        10350        10374        5.0        9.0              8.0
## 5053   105238        10350        10375        6.0        8.0              6.0
## 5054   105239        10350        10376        7.0        9.0              7.0
## 5055   105240        10351        10359        4.0        9.0              4.0
## 5056   105241        10351        10360        6.0        8.0              8.0
## 5057   105242        10351        10361        5.0        7.0              6.0
## 5058   105243        10351        10362        5.0        8.0              7.0
## 5059   105244        10351        10363        4.0        6.0              7.0
## 5060   105245        10351        10364        4.0        7.0              6.0
## 5063   105248        10351        10367        6.0       10.0              9.0
## 5064   105249        10351        10368        5.0        9.0              5.0
## 5065   105250        10351        10369        4.0        9.0              9.0
## 5066   105251        10351        10370        5.0        9.0              8.0
## 5067   105252        10351        10371        6.0        6.0              6.0
## 5068   105253        10351        10372        5.0        5.0              6.0
## 5069   105254        10351        10373        2.0        4.0              4.0
## 5070   105255        10351        10374        5.0        9.0              8.0
## 5071   105256        10351        10375        6.0        9.0              9.0
## 5072   105257        10351        10376        7.0       10.0              6.0
```

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## 5073  105258      10352      10359      10.0       9.0         9.0
## 5074  105259      10352      10360       6.0       8.0         8.0
## 5075  105260      10352      10361       7.0       7.0         8.0
## 5076  105261      10352      10362       8.0       7.0         7.0
## 5077  105262      10352      10363       8.0       6.0         7.0
## 5078  105263      10352      10364       8.0       7.0         7.0
## 5079  105264      10352      10365       7.0       8.0         7.0
## 5080  105265      10352      10366       7.0       8.0         8.0
## 5081  105266      10352      10367      10.0       9.0        10.0
## 5082  105267      10352      10368       6.0       8.0         6.0
## 5083  105268      10352      10369       6.0       8.0         7.0
## 5084  105269      10352      10370       7.0       7.0         6.0
## 5085  105270      10352      10371       7.0       9.0         9.0
## 5087  105272      10352      10373       2.0       3.0         6.0
## 5088  105273      10352      10374       6.0       8.0         7.0
## 5089  105274      10352      10375       6.0       7.0         6.0
## 5090  105275      10352      10376       6.0       6.0         5.0
## 5091  105276      10353      10359       7.0       8.0         6.0
## 5092  105277      10353      10360       8.0       8.0         8.0
## 5093  105278      10353      10361       6.0       8.0         8.0
## 5094  105279      10353      10362       7.0       9.0         9.0
## 5095  105280      10353      10363       9.0       7.0         6.0
## 5096  105281      10353      10364       9.0       8.0         9.0
## 5097  105282      10353      10365       7.0       7.0         6.0
## 5098  105283      10353      10366       7.0       8.0         7.0
## 5101  105286      10353      10369       8.0       6.0         5.0
## 5102  105287      10353      10370       9.0       8.0         7.0
## 5103  105288      10353      10371       8.0       9.0         9.0
## 5105  105290      10353      10373       2.0       4.0         4.0
## 5106  105291      10353      10374       7.0       8.0         7.0
## 5107  105292      10353      10375       7.0       6.0         6.0
## 5108  105293      10353      10376       7.0       8.0         5.0
## 5109  105294      10354      10359       9.0      10.0         9.0
## 5112  105297      10354      10362       9.0       7.0         9.0
## 5113  105298      10354      10363       9.9       8.0         8.0
## 5115  105300      10354      10365       9.0       7.0         8.0
## 5116  105301      10354      10366       7.0       7.0         8.0
## 5119  105304      10354      10369       7.0       7.0         6.0
## 5122  105307      10354      10372       6.0       6.0         6.0
## 5123  105308      10354      10373       6.0       8.0         8.0
## 5124  105309      10354      10374       9.0       9.0         9.0
## 5127  105312      10355      10359       7.0       8.0         9.0
## 5128  105313      10355      10360       7.0       7.0         7.0
## 5129  105314      10355      10361       6.0       7.0         7.0
## 5130  105315      10355      10362      10.0       9.0         9.0
## 5131  105316      10355      10363       6.0       8.0         8.0
## 5132  105317      10355      10364       8.0       8.0         8.0
## 5133  105318      10355      10365       6.0       7.0         8.0
## 5134  105319      10355      10366       7.0       9.0         8.0
## 5136  105321      10355      10368       9.0       7.0         7.0
## 5137  105322      10355      10369       6.0       7.0         8.0
## 5138  105323      10355      10370       8.0       8.0         8.0
## 5139  105324      10355      10371       9.0      10.0         9.0
## 5140  105325      10355      10372      10.0       8.0         7.0
```

```
## 5141   105326        10355        10373         6.0         8.0          8.0
## 5142   105327        10355        10374         9.0         9.0          8.0
## 5143   105328        10355        10375         7.0         7.0          9.0
## 5144   105329        10355        10376         8.0         8.0          7.0
## 5145   105330        10356        10359         7.0         9.0          9.0
## 5146   105331        10356        10360         8.0         8.0          8.0
## 5147   105332        10356        10361         7.0         8.0          7.0
## 5148   105333        10356        10362         7.0         7.0          9.0
## 5150   105335        10356        10364         8.0         7.0          8.0
## 5151   105336        10356        10365         7.0         7.0          8.0
## 5152   105337        10356        10366         9.0         6.0          8.0
## 5153   105338        10356        10367         8.0         8.0         10.0
## 5154   105339        10356        10368         7.0         9.0         10.0
## 5155   105340        10356        10369         6.0         6.0          7.0
## 5156   105341        10356        10370         9.0         8.0          8.0
## 5157   105342        10356        10371         9.0         9.0         10.0
## 5158   105343        10356        10372         6.0         5.0          6.0
## 5159   105344        10356        10373         5.0         7.0          8.0
## 5160   105345        10356        10374        10.0        10.0         10.0
## 5161   105346        10356        10375         7.0         8.0          9.0
## 5162   105347        10356        10376         6.0         7.0          8.0
## 5163   105348        10357        10359         9.5         9.0          9.5
## 5164   105349        10357        10360         7.0         8.0          8.0
## 5165   105350        10357        10361         7.0         6.0          8.0
## 5166   105351        10357        10362         8.0        10.0         10.0
## 5168   105353        10357        10364         7.0         7.0          8.0
## 5169   105354        10357        10365         5.0         8.0          8.0
## 5171   105356        10357        10367        10.0         9.0         10.0
## 5172   105357        10357        10368         6.0         3.0          5.0
## 5173   105358        10357        10369         5.0         8.0          7.0
## 5174   105359        10357        10370         2.0         2.0          6.0
## 5175   105360        10357        10371         6.0         5.0          8.0
## 5176   105361        10357        10372         5.0         7.0          5.0
## 5177   105362        10357        10373         2.0         4.0          3.0
## 5178   105363        10357        10374         9.0         9.0          9.0
## 5179   105364        10357        10375         5.0         7.0          7.0
## 5180   105365        10357        10376         6.0         7.0          8.0
## 5181   105366        10358        10359         9.0        10.0          9.0
## 5182   105367        10358        10360         6.0         8.0          8.0
## 5183   105368        10358        10361         4.0         6.0          6.0
## 5184   105369        10358        10362         9.0         8.0          8.0
## 5185   105370        10358        10363         2.0         7.0          7.0
## 5186   105371        10358        10364         6.0         7.0          8.0
## 5187   105372        10358        10365         4.0         9.0          7.0
## 5188   105373        10358        10366         7.0         9.0          9.0
## 5189   105374        10358        10367         7.0        10.0         10.0
## 5191   105376        10358        10369         7.0         7.0          8.0
## 5192   105377        10358        10370         8.0         5.0          7.0
## 5194   105379        10358        10372         6.0         6.0          5.0
## 5195   105380        10358        10373         4.0         9.0          9.0
## 5196   105381        10358        10374         5.0         9.0          7.0
## 5197   105382        10358        10375         8.0         8.0          8.0
## 5198   105383        10358        10376         5.0         8.0          5.0
## 5199   105384        10359        10339         4.0         3.0          6.0
```

```
## 5201  105386       10359      10359      3.0       5.0        5.0
## 5202  105387       10359      10342      6.0       9.0        9.0
## 5204  105390       10359      10345      4.0       1.0        5.0
## 5205  105391       10359      10346      8.0      10.0       10.0
## 5206  105392       10359      10347      2.0       8.0        5.0
## 5207  105393       10359      10348      4.0       9.0        9.0
## 5208  105394       10359      10349      6.0       7.0        7.0
## 5209  105395       10359      10350      6.0       6.0        7.0
## 5210  105396       10359      10351      4.0       4.0        5.0
## 5211  105397       10359      10352      1.0      10.0        4.0
## 5212  105398       10359      10353      4.0       8.0        7.0
## 5213  105399       10359      10354      4.0       8.0        7.0
## 5214  105400       10359      10355      2.0       6.0        6.0
## 5215  105401       10359      10356      6.0       7.0        8.0
## 5216  105402       10359      10357      5.0       8.0        8.0
## 5217  105403       10359      10358      4.0       4.0        5.0
## 5218  105404       10360      10339      6.0       4.0        6.0
## 5219  105405       10360      10340      5.0       4.0        4.0
## 5220  105406       10360      10341      5.0       5.0        7.0
## 5221  105407       10360      10342      6.0       6.0        8.0
## 5222  105408       10360      10343      6.0      10.0       10.0
## 5224  105411       10360      10346      7.0       6.0        7.0
## 5225  105412       10360      10347      4.0       7.0        9.0
## 5226  105413       10360      10348      5.0       8.0        8.0
## 5227  105414       10360      10349      7.0       7.0        7.0
## 5228  105415       10360      10350      6.0       8.0        8.0
## 5229  105416       10360      10351      5.0       6.0        8.0
## 5230  105417       10360      10352      4.0      10.0       10.0
## 5231  105418       10360      10353      5.0       8.0        9.0
## 5233  105420       10360      10355      3.0       7.0        7.0
## 5234  105421       10360      10356      6.0       8.0        7.0
## 5235  105422       10360      10357      6.0       6.0        8.0
## 5236  105423       10360      10358      5.0       6.0        6.0
## 5237  105424       10361      10339      4.0      10.0        8.0
## 5238  105425       10361      10340      4.0       5.0        6.0
## 5239  105426       10361      10341      7.0       7.0        7.0
## 5240  105427       10361      10342      5.0       5.0        5.0
## 5241  105428       10361      10343      4.0      10.0       10.0
## 5242  105430       10361      10345      6.0      10.0        9.0
## 5243  105431       10361      10346      9.0       9.0       10.0
## 5244  105432       10361      10347      4.0       8.0        6.0
## 5245  105433       10361      10348      4.0       8.0        8.0
## 5246  105434       10361      10349      7.0       7.0        7.0
## 5247  105435       10361      10350      6.0       8.0        8.0
## 5248  105436       10361      10351      6.0       8.0        8.0
## 5249  105437       10361      10352      1.0      10.0        4.0
## 5250  105438       10361      10353      5.0       6.0        7.0
## 5252  105440       10361      10355      4.0       8.0        7.0
## 5253  105441       10361      10356      6.0       7.0        7.0
## 5254  105442       10361      10357      6.0       5.0        5.0
## 5255  105443       10361      10358      4.0       4.0        5.0
## 5256  105444       10362      10339      6.0      10.0        8.0
## 5257  105445       10362      10340      5.0       6.0        7.0
## 5258  105446       10362      10341      5.0       8.0        7.0
```

```
## 5259   105447      10362      10342       9.0        9.0         9.0
## 5260   105448      10362      10343       6.0        8.0         8.0
## 5261   105450      10362      10345       7.0       10.0         9.0
## 5262   105451      10362      10346       9.0        8.0         9.0
## 5263   105452      10362      10347       5.0        6.0         8.0
## 5264   105453      10362      10348       5.0        8.0         6.0
## 5265   105454      10362      10349       8.0        8.0         8.0
## 5266   105455      10362      10350       8.0        9.0         8.0
## 5267   105456      10362      10351       6.0        7.0         8.0
## 5268   105457      10362      10352       7.0       10.0         8.0
## 5269   105458      10362      10353       5.0       10.0         9.0
## 5270   105459      10362      10354       7.0        6.0         7.0
## 5271   105460      10362      10355       6.0        8.0         6.0
## 5272   105461      10362      10356       6.0        7.0         7.0
## 5273   105462      10362      10357       6.0        4.0         7.0
## 5274   105463      10362      10358       6.0        8.0         7.0
## 5275   105464      10363      10339       7.0        7.0         8.0
## 5276   105465      10363      10340       5.0        6.0         5.0
## 5277   105466      10363      10341       6.0        6.0         8.0
## 5278   105467      10363      10342       6.0        6.0         6.0
## 5279   105468      10363      10343      10.0        9.0         9.0
## 5280   105470      10363      10345       9.0        7.0         7.0
## 5281   105471      10363      10346       7.0       10.0        10.0
## 5282   105472      10363      10347       6.0        5.0         8.0
## 5283   105473      10363      10348       7.0        8.0         7.0
## 5284   105474      10363      10349       6.0        6.0         6.0
## 5285   105475      10363      10350       8.0        6.0         7.0
## 5286   105476      10363      10351       6.0        6.0         7.0
## 5287   105477      10363      10352       9.0       10.0         8.0
## 5288   105478      10363      10353       8.0        9.0         9.0
## 5289   105479      10363      10354       5.0        7.0         7.0
## 5290   105480      10363      10355       6.0        7.0         8.0
## 5293   105483      10363      10358       7.0        8.0         7.0
## 5294   105484      10364      10339       8.0        8.0        10.0
## 5295   105485      10364      10340       6.0        5.0         6.0
## 5296   105486      10364      10341       9.0        8.0         8.0
## 5297   105487      10364      10342       8.0        8.0         8.0
## 5298   105488      10364      10343       9.0       10.0        10.0
## 5299   105490      10364      10345       7.0        9.0         9.0
## 5300   105491      10364      10346       9.0       10.0        10.0
## 5301   105492      10364      10347       6.0        8.0         8.0
## 5302   105493      10364      10348       6.0        9.0         9.0
## 5303   105494      10364      10349       8.0        8.0         8.0
## 5304   105495      10364      10350       9.0        8.0         8.0
## 5305   105496      10364      10351       5.0        8.0         7.0
## 5306   105497      10364      10352       9.0       10.0        10.0
## 5307   105498      10364      10353       9.0        8.0         7.0
## 5309   105500      10364      10355       6.0        8.0        10.0
## 5310   105501      10364      10356       8.0        8.0         8.0
## 5311   105502      10364      10357       8.0        9.0         9.0
## 5312   105503      10364      10358       6.0        7.0         6.0
## 5313   105504      10365      10339       6.0       10.0        10.0
## 5314   105505      10365      10340       8.0        9.0         8.0
## 5315   105506      10365      10341       8.0        8.0         8.0
```

```
## 5316 105507        10365      10342        7.0      8.0          7.0
## 5317 105508        10365      10343        7.0     10.0          9.0
## 5319 105511        10365      10346        7.0      7.0          8.0
## 5320 105512        10365      10347        4.0      8.0          7.0
## 5321 105513        10365      10348        6.0      9.0          9.0
## 5322 105514        10365      10349        7.0      7.0          7.0
## 5323 105515        10365      10350        7.0      8.0          7.0
##      funny_o ambitious_o shared_interests_o attractive_partner sincere_partner
## 1        8.0         8.0                6.0                6.0             9.0
## 2        7.0         7.0                5.0                7.0             8.0
## 3       10.0        10.0               10.0                5.0             8.0
## 4        8.0         9.0                8.0                7.0             6.0
## 5        6.0         9.0                7.0                5.0             6.0
## 6        8.0         7.0                7.0                4.0             9.0
## 7        5.0         8.0                7.0                7.0             6.0
## 8        6.0         8.0                6.0                4.0             9.0
## 9        8.0         8.0                9.0                7.0             6.0
## 10       6.0         6.0                6.0                5.0             6.0
## 11       9.0         7.0                4.0                5.0             7.0
## 12       6.0         6.0                5.0                8.0             5.0
## 13      10.0        10.0               10.0                5.0             8.0
## 14       9.0         9.0                9.0                7.0             9.0
## 15      10.0         7.0                8.0                6.0             8.0
## 16       5.0         7.0                7.0                8.0             7.0
## 17       3.0         5.0                3.0                7.0             5.0
## 18       7.0         7.0                5.0                5.0             8.0
## 19       9.0         8.0                7.0                7.0             6.0
## 20       7.0         9.0                7.0                6.0             7.0
## 21       5.0         8.0                4.0                7.0             9.0
## 22       6.0         6.0                5.0                9.0             7.0
## 23      10.0        10.0               10.0                7.0             9.0
## 24       8.0         8.0                8.0                9.0             7.0
## 25       6.0         7.0                6.0                9.0            10.0
## 26       6.0         6.0                6.0                8.0            10.0
## 27       4.0         5.0                4.0                8.0             9.0
## 28       4.0         6.0                4.0                7.0             9.0
## 29       8.0         7.0                7.0                9.0             9.0
## 30       5.0         8.0                6.0                8.0             7.0
## 31       7.0         7.0                5.0                4.0            10.0
## 32       6.0         6.0                5.0                8.0             7.0
## 33      10.0        10.0               10.0                4.0             7.0
## 34       9.0         9.0                9.0                8.0            10.0
## 35       8.0         8.0                9.0                6.0             9.0
## 36       7.0         8.0                7.0                5.0            10.0
## 37       5.0         6.0                5.0                7.0            10.0
## 38       6.0         6.0                5.0                5.0             9.0
## 39      10.0         9.0               10.0                9.0             8.0
## 40       7.0         8.0                7.0                8.0             9.0
## 41       8.0         7.0                6.0                5.0             8.0
## 42       7.0         6.0                5.0                8.0             6.0
## 43      10.0        10.0               10.0                4.0             6.0
## 44       8.0        10.0               10.0                8.0             5.0
## 45       7.0         9.0                5.0                6.0             7.0
## 46       7.0         7.0                7.0                5.0             6.0
```

```
## 47     4.0       5.0          3.0          6.0          6.0
## 48     5.0       5.0          5.0          5.0          5.0
## 49     9.0       9.0          6.0          7.0          5.0
## 50     7.0      10.0          5.0          9.0          6.0
## 51     9.0       8.0          4.0          6.0          9.0
## 52     6.0       7.0          6.0          6.0          9.0
## 53    10.0      10.0         10.0          4.0          7.0
## 54     7.0       9.0          8.0          8.0          6.0
## 55     7.0       9.0          6.0          5.0          4.0
## 56     8.0       8.0          7.0          3.0          7.0
## 57     4.0       5.0          4.0          8.0          8.0
## 58     7.0       8.0          5.0          4.0          8.0
## 59     6.0       6.0          6.0          7.0          6.0
## 60     6.0      10.0          7.0          8.0          9.0
## 61     8.0       7.0          7.0          4.0          8.0
## 62     6.0       6.0          5.0          6.0          6.0
## 63    10.0      10.0         10.0          3.0          6.0
## 64     8.0       9.0          9.0          7.0          8.0
## 65     6.0       9.0          5.0          4.0          7.0
## 66     6.0       6.0          6.0          4.0          8.0
## 67     4.0       4.0          3.0          7.0          7.0
## 68     7.0       7.0          5.0          5.0          7.0
## 69     9.0       9.0         10.0          6.0          6.0
## 70     6.0       8.0          7.0          8.0          6.0
## 71     6.0       6.0          5.0          5.0          8.0
## 72     7.0       6.0          5.0          8.0          7.0
## 73    10.0      10.0         10.0          5.0          8.0
## 74     8.0       8.0          7.0          8.0          6.0
## 75     9.0       7.0          7.0          6.0          8.0
## 76     7.0       8.0          7.0          6.0          8.0
## 77     5.0       6.0          4.0          6.0          7.0
## 78     8.0       7.0          5.0          5.0          6.0
## 79    10.0       8.0         10.0          8.0          8.0
## 80     9.0       8.0          8.0          7.0          6.0
## 81     8.0       7.0          5.0          8.0         10.0
## 82     7.0       6.0          5.0         10.0         10.0
## 83    10.0      10.0         10.0          5.0         10.0
## 84     8.0       8.0          7.0         10.0          9.0
## 85     9.0       7.0          7.0          5.0         10.0
## 86     8.0       7.0          7.0          8.0          9.0
## 87     8.0       6.0          5.0          6.0          8.0
## 88     7.0       6.0          5.0          6.0          7.0
## 89     7.0       6.0          6.0          8.0          5.0
## 90     6.0       6.0          6.0          7.0          8.0
## 91     8.0       6.0          5.0          6.0         10.0
## 92     1.0       1.0          1.0          1.0          1.0
## 93    10.0      10.0         10.0          6.0         10.0
## 94     9.0       8.0          8.0         10.0         10.0
## 95     7.0       8.0          6.0          5.0          7.0
## 96     7.0       7.0          7.0          5.0         10.0
## 97     3.0       4.0          4.0          5.0         10.0
## 98     6.0       6.0          5.0          5.0          6.0
## 99     7.0       6.0          6.0          9.0          9.0
## 100    6.0       6.0          6.0          9.0          9.0
```

```
## 101      7.0          6.0             5.0             6.0          8.0
## 102      4.0          6.0             3.0             8.0          7.0
## 103      7.0          8.0             9.0             7.0          8.0
## 104      5.0          8.0             7.0             6.0          7.0
## 105      2.0          2.0             2.0             6.0          8.0
## 106      6.0          7.0             6.0             7.0          9.0
## 107      5.0          7.0             4.0             7.0          8.0
## 108      4.0          7.0             5.0             8.0          7.0
## 109      8.0          7.0             6.0             6.0          8.0
## 110      6.0          6.0             6.0             7.0          8.0
## 111      8.0          5.0             6.0             7.0          8.0
## 112      6.0          9.0             6.0             7.0          6.0
## 113      8.0          9.0             7.0             6.0          7.0
## 114     10.0          7.0             8.0             6.0          5.0
## 115      5.0          5.0             5.0             6.0          7.0
## 116      6.0          8.0             2.0             6.0          8.0
## 117      4.0          9.0             4.0             7.0          9.0
## 118      9.0          6.0             7.0             8.0          8.0
## 119     10.0         10.0            10.0             8.0          8.0
## 120      1.0          1.0             6.0             1.0          1.0
## 121      8.0          5.0             7.0            10.0         10.0
## 122      6.0          3.0             4.0            10.0         10.0
## 123      7.0          9.0             7.0            10.0         10.0
## 124      8.0          6.0             7.0            10.0         10.0
## 125      8.0          6.0             5.0            10.0         10.0
## 126      4.0          3.0             2.0            10.0         10.0
## 127      7.0          8.0             8.0            10.0         10.0
## 128      6.0          7.0             7.0            10.0         10.0
## 129      6.0          6.0             6.0            10.0         10.0
## 130     10.0          6.0             6.0            10.0         10.0
## 131      7.0          6.0             8.0             7.0          8.0
## 132      6.0          5.0             7.0             9.0          9.0
## 133      7.0          9.0             7.0             7.0          9.0
## 134     10.0          7.0            10.0             7.0          7.0
## 135      7.0          7.0             9.0             6.0          8.0
## 136      8.0          2.0             8.0             6.0          8.0
## 137      7.0          7.0             6.0             8.0          8.0
## 138      6.0          6.0             5.0             8.0          8.0
## 139      8.0          7.0             7.0             7.0          8.0
## 140     10.0         10.0             6.0             7.0          8.0
## 141      7.0          6.0             6.0             8.0          7.0
## 142      9.0          7.0             8.0            10.0         10.0
## 143     10.0         10.0            10.0             6.0         10.0
## 144      9.0          8.0             9.0             8.0          8.0
## 145      5.0          4.0             8.0             5.0          9.0
## 146      8.0          4.0             2.0             9.0          7.0
## 147      4.0          8.0             5.0             8.0          7.0
## 148      5.0          6.0             7.0             9.0          9.0
## 149      8.0          5.0             5.0             7.0          9.0
## 150      7.0          7.0             6.0             6.0          9.0
## 151      4.0          6.0             4.0             7.0          7.0
## 152      3.0          6.0             2.0             7.0          8.0
## 153      7.0          9.0             9.0             7.0          6.0
## 154      4.0          8.0             2.0             6.0          6.0
```

```
## 155      5.0       7.0           8.0            5.0          8.0
## 156      1.0       1.0           1.0            6.0          6.0
## 157      4.0       5.0           4.0            8.0          8.0
## 158      5.0       6.0           7.0            8.0          7.0
## 159      7.0       6.0           5.0            6.0          6.0
## 160      4.0       6.0           6.0            6.0          8.0
## 161      4.0       6.0           7.0            3.0          6.0
## 162      6.0       7.0           9.0            5.0          3.0
## 163      7.0       7.0           9.0            6.0          3.0
## 164      7.0      10.0           5.0            7.0          6.0
## 165      5.0       5.0           6.0            2.0          3.0
## 166      8.0       3.0           4.0            5.0          6.0
## 167      7.0       7.0           7.0            7.0          6.0
## 168      5.0       7.0           7.0            6.0          4.0
## 169      6.0       6.0           6.0            8.0          6.0
## 170      6.0       9.0           6.0            7.0          7.0
## 171      6.0       5.0           6.0            6.0          7.0
## 172      5.0       9.0           5.0            7.0          7.0
## 173      8.0       9.0           7.0            4.0          5.0
## 174      5.0       9.0           7.0            6.0          7.0
## 175      6.0       7.0           5.0            5.0          5.0
## 176      2.0       8.0           3.0            6.0          7.0
## 177      5.0       9.0           5.0            8.0          7.0
## 178      4.0       5.0           6.0            9.0          8.0
## 179      7.0       9.0           6.0            7.0          7.0
## 180      4.0       5.0           6.0            6.0          6.0
## 181      9.0       8.0           8.0            7.0          7.0
## 182      9.0       4.0           5.0            8.0          6.0
## 183      9.0       9.0           9.0            7.0          7.0
## 184     10.0       7.0           8.0            7.0          7.0
## 185      8.0       7.0           9.0            5.0          9.0
## 186      8.0       6.0           9.0            6.0          7.0
## 187      8.0       8.0           6.0            9.0          7.0
## 188      9.0       8.0           9.0            8.0          7.0
## 189      6.0       5.0           5.0            6.0          6.0
## 190      9.0       9.0           9.0            7.0          7.0
## 191      8.0      10.0           8.0            6.0          6.0
## 192      7.0       9.0           8.0            6.0          5.0
## 193      7.0       9.0           7.0            5.0          6.0
## 194     10.0       8.0           8.0            7.0          8.0
## 195      9.0       6.0           5.0            3.0         10.0
## 196      9.0      10.0           7.0            7.0         10.0
## 197      7.0       8.0           6.0            7.0          6.0
## 198      7.0       9.0           8.0            8.0         10.0
## 199      8.0       7.0           8.0            5.0          6.0
## 200     10.0       8.0           8.0            6.0          6.0
## 201      6.0       4.0           7.0            6.0          8.0
## 202      5.0       5.0           6.0            5.0          8.0
## 203      5.0       9.0           2.0            8.0          9.0
## 204      4.0       6.0           2.0            5.0          8.0
## 205      6.0       7.0           7.0            7.0          7.0
## 206      7.0       9.0           6.0            6.0          8.0
## 207      8.0       9.0           8.0            6.0          8.0
## 208      5.0       5.0           7.0            4.0          7.0
```

```
## 209     5.0      8.0           3.0              7.0           7.0
## 210     4.0      6.0           4.0              9.0           9.0
## 211     7.0      7.0           6.0              5.0           7.0
## 212     3.0      2.0           2.0              7.0           4.0
## 213     6.0      7.0           6.0              5.0           8.0
## 214     7.0      7.0           6.0              6.0           8.0
## 215     7.0      7.0           5.0              6.0           8.0
## 216     7.0      9.0           5.0              5.0           9.0
## 217     8.0      6.0           4.0              5.0           7.0
## 218     5.0      5.0           6.0              4.0           7.0
## 219     5.0      5.0           1.0              5.0           6.0
## 220     3.0      5.0           1.0              5.0           7.0
## 221     6.0      8.0           5.0              6.0           8.0
## 222     5.0      6.0           5.0              6.0           7.0
## 223     5.0      6.0           5.0              8.0           7.0
## 224     5.0      6.0           3.0              5.0           7.0
## 225     5.0      7.0           3.0              7.0           7.0
## 226     7.0      7.0           6.0              6.0           7.0
## 227     6.0      7.0           6.0              5.0           6.0
## 228     2.0      2.0           1.0              3.0           4.0
## 229     6.0      5.0           5.0              3.0           6.0
## 230     7.0      8.0           6.0              7.0           7.0
## 231     6.0      6.0           5.0              4.0           5.0
## 232     7.0     10.0           8.0              6.0           7.0
## 233     7.0      4.0           3.0              5.0           7.0
## 234     8.0      8.0           6.0              5.0           7.0
## 235     8.0      9.0           6.0              6.0           6.0
## 236     4.0      3.0           2.0              5.0           7.0
## 237    10.0      7.0           8.0              7.0           7.0
## 238     6.0      6.0           6.0              6.0           7.0
## 239     8.0      8.0           9.0              7.0           6.0
## 240     4.0      7.0           4.0              5.0           6.0
## 241     4.0      3.0           3.0              6.0           6.0
## 242     6.0      7.0           3.0              7.0           7.0
## 243     6.0      7.0           6.0              6.0           6.0
## 244     1.0      1.0           1.0              7.0           6.0
## 245     6.0      6.0           5.0              6.0           6.0
## 247     7.0      9.0           7.0              6.0           7.0
## 248     8.0     10.0           7.0              6.0           8.0
## 249     9.0      8.0           5.0              5.0           6.0
## 250     5.0      5.0           6.0              7.0           8.0
## 251     9.0      8.0           2.0              6.0           8.0
## 252     4.0      7.0           2.0              7.0           8.0
## 253     7.0      8.0           8.0              5.0           8.0
## 254     6.0      5.0           5.0              7.0           7.0
## 255     8.0      7.0           9.0              9.0           8.0
## 256     5.0      6.0           4.0              5.0           7.0
## 257     5.0      7.0           3.0              7.0           7.0
## 258     5.0      6.0           7.0              6.0           7.0
## 259     9.0      7.0           6.0              6.0           8.0
## 260     6.0      6.0           6.0              6.0           6.0
## 261     5.0      6.0           2.0              4.0           7.0
## 262     8.0      7.0           7.0              8.0           7.0
## 263     7.0      7.0           8.0              6.0           8.0
```

```
## 264     8.0       8.0          6.0          8.0       7.0
## 265     9.0       8.0          4.0          7.0       8.0
## 266     5.0       5.0          6.0          5.0       8.0
## 267     7.0       5.0          6.0          6.0       7.0
## 268     6.0       5.0          1.0          4.0       5.0
## 269     7.0       5.0          4.0          6.0       7.0
## 270     7.0       6.0          6.0          6.0       8.0
## 271     8.0       7.0          8.0          7.0       8.0
## 272     5.0       5.0          2.0          3.0       8.0
## 273     8.0       7.0          5.0          7.0       8.0
## 274     8.0       6.0          5.0          8.0       8.0
## 275     7.0       7.0          6.0          9.0       8.0
## 276     6.0       2.0          2.0          6.0       5.0
## 277     7.0       6.0          6.0          5.0       4.0
## 278     8.0       8.0          7.0          7.0       8.0
## 279     9.0       7.0          5.0          5.0       8.0
## 280    10.0       9.0          8.0          7.0       7.0
## 281     8.0       7.0          4.0          2.0       5.0
## 282     5.0       5.0          6.0          2.0       5.0
## 283     9.0       8.0          6.0          2.0       5.0
## 284     5.0       5.0          2.0          2.0       6.0
## 285     8.0       7.0          7.0          3.0       8.0
## 286     7.0       6.0          7.0          4.0       7.0
## 287    10.0       7.0          8.0          7.0       4.0
## 288     6.0       6.0          6.0          3.0       7.0
## 289     9.0       7.0          8.0          6.0       5.0
## 290     7.0       7.0          8.0          5.0       8.0
## 291     7.0       7.0          6.0          7.0       6.0
## 292     5.0       3.0          2.0          6.0       7.0
## 293     7.0       6.0          6.0          2.0       7.0
## 294     9.0       8.0          8.0          6.0       8.0
## 295     8.0       7.0          6.0          2.0       8.0
## 296     9.0       9.0          8.0          6.0       6.0
## 297     8.0       7.0          5.0          2.0       6.0
## 298     8.0       8.0          6.0          1.0       6.0
## 299     9.0       8.0          6.0          1.0       4.0
## 300     7.0       3.0          5.0          1.0       6.0
## 301     7.0       6.0          5.0          1.0       3.0
## 302     8.0       6.0          7.0          3.0       6.0
## 303     8.0       7.0          9.0          8.0       7.0
## 304     6.0       4.0          5.0          1.0       4.0
## 305     6.0       7.0          7.0          4.0       6.0
## 306     7.0       7.0          0.0          4.0       5.0
## 307     7.0       7.0          6.0          6.0       5.0
## 308     7.0       5.0          3.0          1.0       2.0
## 309     6.0       6.0          7.0          1.0       3.0
## 310     8.0       8.0          7.0          6.0       4.0
## 311     9.0       8.0          7.0          2.0       4.0
## 312    10.0       9.0          8.0          5.0       6.0
## 313     4.0       3.0          3.0          4.0       9.0
## 314     8.0       8.0          6.0          4.0       8.0
## 315     5.0       8.0          6.0          6.0       8.0
## 316     4.0       6.0          5.0          5.0       7.0
## 317     6.0       7.0          5.0          8.0       6.0
```

```
## 318     7.0       6.0          6.0          6.0        8.0
## 319     8.0       7.0          7.0          8.0        6.0
## 320     6.0       7.0          2.0          5.0        6.0
## 321     5.0       9.0          3.0          8.0        7.0
## 322     7.0       6.0          5.0          7.0        5.0
## 323     7.0       7.0          6.0          7.0        7.0
## 324     3.0       3.0          3.0          6.0        7.0
## 325     7.0       5.0          5.0          6.0        8.0
## 326     7.0       7.0          6.0          9.0        8.0
## 327     7.0       7.0          5.0          6.0        7.0
## 328     8.0       9.0          6.0          6.0        8.0
## 329     7.0       8.0          4.0          3.0        6.0
## 330    10.0      10.0          6.0          8.0        9.0
## 331     6.0       6.0          6.0          6.0        7.0
## 332     3.0       7.0          1.0          4.0        6.0
## 333     7.0       6.0          7.0          6.0        9.0
## 334     6.0       6.0          5.0          4.0        5.0
## 335     9.0       8.0          6.0          8.0        7.0
## 336     3.0       6.0          3.0          5.0        5.0
## 337     4.0       7.0          3.0          7.0        7.0
## 338     7.0       7.0          6.0          8.0        7.0
## 339     7.0       7.0          6.0          7.0        7.0
## 340     2.0       6.0          4.0          5.0        5.0
## 341     6.0       6.0          4.0          3.0        7.0
## 342     7.0       8.0          6.0          7.0        7.0
## 343     7.0       8.0          6.0          3.0        5.0
## 344    10.0      10.0         10.0          7.0        7.0
## 345     4.0       8.0          3.0          4.0        6.0
## 346     8.0       8.0          6.0          3.0        6.0
## 347     2.0       9.0          6.0          4.0        5.0
## 348     6.0       5.0          3.0          4.0        5.0
## 349     6.0       7.0          7.0          4.0        6.0
## 350     7.0       8.0          6.0          4.0        5.0
## 351     6.0       7.0          8.0          9.0        6.0
## 352     5.0       7.0          5.0          2.0        3.0
## 353     8.0       7.0          6.0          8.0        9.0
## 354     8.0       9.0          6.0          7.0        8.0
## 355     8.0       8.0          6.0          9.0        7.0
## 356     4.0       5.0          5.0          4.0        6.0
## 357     6.0       7.0          5.0          3.0        8.0
## 358     8.0       9.0          7.0          7.0        7.0
## 359     8.0       7.0          7.0          4.0        5.0
## 360    10.0      10.0          8.0          9.0        8.0
## 361     7.0       8.0          4.0          4.0        8.0
## 362    10.0      10.0          6.0          7.0        8.0
## 363     8.0      10.0          4.0          5.0        6.0
## 364     4.0       4.0          3.0          5.0        7.0
## 365     7.0       7.0          8.0          5.0        7.0
## 366     8.0       8.0          7.0          8.0        8.0
## 367     7.0      10.0          7.0          8.0        9.0
## 368     6.0       5.0          5.0          7.0        9.0
## 369     5.0       8.0          3.0          7.0        8.0
## 370     7.0       7.0          6.0          6.0        8.0
## 371     7.0       7.0          6.0          7.0        8.0
```

```
## 372     9.0      5.0        4.0        5.0        6.0
## 373     7.0      6.0        5.0        4.0        7.0
## 374     8.0      9.0        7.0        7.0        6.0
## 375     7.0      8.0        6.0        7.0        6.0
## 376     8.0      7.0        7.0        8.0        8.0
## 377     8.0      5.0        3.0        6.0        8.0
## 378    10.0     10.0        6.0        2.0        6.0
## 379     8.0     10.0        6.0        6.0        8.0
## 380     3.0      6.0        4.0        5.0        7.0
## 381     6.0      6.0        8.0        5.0        6.0
## 382     5.0      7.0        5.0        6.0        6.0
## 383     8.0      8.0        8.0        8.0        7.0
## 384     6.0      6.0        3.0        4.0        5.0
## 385     5.0      7.0        3.0        8.0        7.0
## 386     8.0      8.0        7.0        6.0        7.0
## 387     8.0      8.0        5.0        7.0        9.0
## 388     6.0      5.0        4.0        7.0        5.0
## 389     6.0      6.0        6.0        9.0        9.0
## 390     7.0      9.0        7.0        8.0        7.0
## 391     7.0      7.0        7.0        5.0        6.0
## 392     8.0      8.0        7.0        7.0        7.0
## 393     8.0      6.0        4.0        4.0        4.0
## 394    10.0     10.0        6.0        3.0        4.0
## 395     6.0      6.0        3.0        5.0        4.0
## 396     6.0      7.0        2.0        4.0        4.0
## 397     7.0      6.0        6.0        4.0        6.0
## 398     7.0      7.0        7.0        4.0        5.0
## 399     9.0      8.0        7.0        9.0        8.0
## 400     7.0      7.0        6.0        3.0        3.0
## 401     5.0      5.0        3.0        5.0        4.0
## 402     6.0      7.0        6.0        7.0        8.0
## 403     7.0      9.0        6.0        4.0        4.0
## 404     2.0      8.0        1.0        3.0        3.0
## 405     5.0      5.0        5.0        4.0        4.0
## 406     8.0      8.0        7.0        5.0        4.0
## 407     8.0      7.0        7.0        4.0        6.0
## 408     9.0     10.0        9.0        4.0        4.0
## 409     5.0      7.0        3.0        6.0        8.0
## 410     5.0      5.0        6.0        5.0        9.0
## 411     7.0     10.0        4.0        6.0        8.0
## 412     3.0      7.0        5.0        6.0        8.0
## 413     7.0      8.0        6.0        5.0        8.0
## 414     6.0      7.0        7.0        7.0        8.0
## 415     6.0      9.0        8.0        8.0        8.0
## 416     5.0      6.0        4.0        5.0        6.0
## 417     5.0      5.0        4.0        8.0        8.0
## 418     5.0      6.0        5.0        7.0        9.0
## 419     7.0      7.0        6.0        6.0        8.0
## 420     1.0      7.0        1.0        8.0        8.0
## 421     6.0      6.0        5.0        6.0        7.0
## 422     8.0      8.0        6.0        8.0        8.0
## 423     7.0      8.0        7.0        6.0        8.0
## 424     9.0      9.0        8.0        6.0        8.0
## 425     7.0      8.0        4.0        2.0        5.0
```

```
## 426     5.0          5.0              6.0              1.0              2.0
## 427     5.0          6.0              6.0              2.0              2.0
## 428     4.0          5.0              4.0              1.0              1.0
## 429     5.0          6.0              7.0              1.0              1.0
## 430     7.0          7.0              7.0              2.0              2.0
## 431     6.0          9.0              7.0              2.0              5.0
## 432     5.0          8.0              4.0              1.0              3.0
## 433     7.0          9.0              4.0              3.0              1.0
## 434     7.0         10.0              5.0              4.0              5.0
## 435     7.0          7.0              6.0              5.0              4.0
## 436     5.0          5.0              2.0              5.0              2.0
## 437     7.0          5.0              5.0              1.0              5.0
## 438     7.0          8.0              6.0              9.0              8.0
## 439     6.0          7.0              6.0              3.0              4.0
## 440     8.0          9.0              7.0              5.0              6.0
## 441     7.0          6.0              3.0              2.0              4.0
## 442     5.0          5.0              6.0              2.0              5.0
## 443     6.0          4.0              6.0              4.0              4.0
## 444     3.0          6.0              4.0              4.0              7.0
## 445     5.0          7.0              5.0              7.0              6.0
## 446     6.0          5.0              6.0              6.0              4.0
## 447     8.0          9.0              7.0              8.0              5.0
## 448     4.0          6.0              3.0              3.0              5.0
## 449     5.0          4.0              4.0              8.0              5.0
## 450     6.0          8.0              3.0              6.0              5.0
## 451     7.0          7.0              6.0              6.0              3.0
## 452     3.0          7.0              7.0              7.0              4.0
## 453     7.0          6.0              5.0              2.0              6.0
## 454     7.0          8.0              7.0              7.0              7.0
## 455     6.0          8.0              6.0              4.0              3.0
## 456     7.0          7.0              6.0              5.0              7.0
## 457     9.0         10.0              7.0              2.0              8.0
## 458     5.0          5.0              6.0              1.0              1.0
## 459     8.0         10.0              6.0              8.0              8.0
## 460     6.0          7.0              2.0              3.0              7.0
## 461     7.0          6.0              5.0              5.0             10.0
## 462     9.0          7.0              7.0              6.0              6.0
## 463    10.0          8.0              7.0             10.0              6.0
## 464     6.0          6.0              6.0              7.0              9.0
## 465     8.0          7.0              6.0              8.0              6.0
## 466     8.0          8.0              4.0              9.0              9.0
## 467     7.0          7.0              6.0              8.0              8.0
## 468     6.0          7.0              7.0              8.0              7.0
## 469     7.0          7.0              5.0              2.0              9.0
## 470     8.0          9.0              6.0              3.0              9.0
## 471     7.0          8.0              6.0              3.0              9.0
## 472    10.0         10.0             10.0              8.0              8.0
## 473    10.0          4.0              4.0              6.0              7.0
## 474    10.0          5.0              6.0              3.0             10.0
## 475     6.0          6.0              5.0              5.0              5.0
## 476     7.0          5.0              3.0              7.0              9.0
## 477     5.0          5.0              4.0              4.0              7.0
## 478     5.0          6.0              5.0              4.0              5.0
## 479     9.0          7.0              6.0              8.0              6.0
```

```
## 480      5.0        5.0            6.0            5.0        5.0
## 481      6.0        5.0            3.0            8.0        5.0
## 482      8.0        4.0            5.0            5.0        7.0
## 483      7.0        7.0            6.0            5.0        6.0
## 484      8.0        8.0            9.0            3.0        1.0
## 485      6.0        7.0            5.0            3.0        9.0
## 486      7.0        9.0            6.0            8.0        7.0
## 487      8.0        7.0            5.0            4.0        8.0
## 488      9.0       10.0            9.0            6.0        7.0
## 489      9.0        5.0            7.0            3.0       10.0
## 490      6.0        7.0            5.0            4.0       10.0
## 491      6.0        6.0            7.0            5.0        4.0
## 492      7.0        7.0            6.0            5.0       10.0
## 493      6.0        8.0            5.0            8.0       10.0
## 494      3.0        5.0            2.0            8.0        9.0
## 495      6.0        6.0            6.0            9.0        8.0
## 496      4.0        5.0            6.0            5.0        6.0
## 497      5.0        6.0            5.0            6.0        6.0
## 498      6.0        6.0            4.0            7.0        5.0
## 499      9.0        7.0            6.0            8.0       10.0
## 500     10.0        7.0            4.0            6.0       10.0
## 501      4.0        4.0            6.0            8.0        7.0
## 502      7.0        7.0            8.0            5.0        6.0
## 503      3.0        1.0            3.0            5.0        8.0
## 504      4.0        4.0            3.0            4.0        6.0
## 505      3.0       10.0            3.0            8.0        9.0
## 506      9.0        9.0            8.0            3.0       10.0
## 507      5.0        9.0            5.0            5.0        5.0
## 508      6.0        7.0            2.0            5.0        5.0
## 509      6.0        6.0            7.0            8.0        8.0
## 510      7.0        8.0            6.0            5.0        5.0
## 511      6.0        8.0            5.0            5.0        5.0
## 512      3.0        5.0            2.0            5.0        5.0
## 513      2.0        1.0            6.0            8.0        8.0
## 514      3.0        6.0            6.0            8.0        8.0
## 515      5.0        9.0            5.0           10.0       10.0
## 516      3.0        6.0            2.0            8.0        8.0
## 517      7.0        9.0            7.0           10.0       10.0
## 518      4.0        6.0            2.0           10.0       10.0
## 519      4.0        4.0            6.0           10.0       10.0
## 520      6.0        7.0            6.0           10.0        5.0
## 521      1.0        8.0            2.0            5.0        5.0
## 522      3.0        4.0            3.0            5.0        5.0
## 523      1.0       10.0            1.0            5.0        5.0
## 524      6.0        8.0            6.0            5.0        5.0
## 525      8.0        7.0            6.0            3.0       10.0
## 526      5.0        6.0            3.0            3.0        6.0
## 527      6.0        6.0            6.0            6.0       10.0
## 528      7.0        7.0            6.0            7.0        6.0
## 529      7.0        9.0            7.0            8.0        9.0
## 530      3.0        7.0            3.0            7.0        8.0
## 531      2.0        6.0            1.0            8.0        9.0
## 532      5.0        5.0            6.0            3.0        8.0
## 533      7.0        8.0            7.0            4.0        7.0
```

```
## 534      5.0         6.0             4.0              8.0          7.0
## 535      7.0         8.0             6.0              5.0          9.0
## 536      6.0         6.0             5.0              6.0         10.0
## 537      6.0         7.0             6.0              6.0          9.0
## 538      8.0         7.0             9.0              3.0          8.0
## 539      1.0         5.0             1.0              4.0          7.0
## 540      7.0         5.0             4.0              4.0          8.0
## 541      7.0         7.0             7.0              6.0         10.0
## 542      7.0         9.0             6.0              4.0          9.0
## 543      4.0         9.0             3.0              4.0          5.0
## 544      5.0         7.0             3.0              4.0          5.0
## 545      6.0         6.0             7.0              4.0          6.0
## 546      8.0         7.0             6.0              5.0          5.0
## 547      4.0        10.0             4.0              8.0          5.0
## 548      1.0         7.0             2.0              6.0          5.0
## 549      6.0         4.0             3.0              7.0          6.0
## 550      3.0         5.0             6.0              4.0          4.0
## 551      5.0         7.0             6.0              3.0          4.0
## 552      5.0         5.0             5.0              6.0          6.0
## 553      6.0         9.0             5.0              5.0          6.0
## 554      5.0         7.0             5.0              4.0          4.0
## 555      4.0         6.0             6.0              6.0          5.0
## 556      8.0         7.0             7.0              7.0          4.0
## 557      1.0         1.0             1.0              6.0          5.0
## 558      2.0         6.0             2.0              4.0          6.0
## 559      4.0         8.0             2.0              4.0          6.0
## 560      7.0         6.0             5.0              3.0          7.0
## 561      5.0         7.0             2.0              6.0          7.0
## 562      7.0         7.0             6.0              6.0          7.0
## 563      6.0         6.0             9.0              8.0          8.0
## 564      7.0         8.0             6.0              5.0          7.0
## 565      7.0         9.0             3.0              7.0          6.0
## 566      6.0         6.0             4.0              8.0          7.0
## 567      2.0         2.0             1.0              9.0          7.0
## 568      3.0         7.0             2.0              7.0          6.0
## 569      5.0         6.0             3.0              7.0          7.0
## 570      5.0         8.0             5.0              9.0          7.0
## 571      5.0         4.0             6.0              7.0          6.0
## 572      2.0         5.0             7.0              6.0          7.0
## 573      4.0         5.0             3.0              8.0          7.0
## 574      7.0         7.0             5.0              8.0          7.0
## 575      1.0         1.0             1.0              7.0          7.0
## 576      6.0         9.0             6.0              5.0          5.0
## 577      4.0         5.0             7.0              7.0          6.0
## 578      4.0         5.0             1.0              8.0          5.0
## 579      6.0         8.0             4.0              7.0          8.0
## 580      4.0         6.0             6.0              7.0          7.0
## 581      6.0         7.0             5.0              7.0          8.0
## 582      7.0         8.0             6.0              6.0          6.0
## 583      5.0         8.0             7.0              7.0          6.0
## 584      1.0         4.0             3.0              7.0          6.0
## 585      4.0         5.0             1.0              8.0          8.0
## 586      4.0         7.0             2.0              8.0          8.0
## 587      2.0         6.0             5.0              6.0          6.0
```

```
## 588       3.0        6.0            4.0              9.0              8.0
## 589       5.0        9.0            6.0              9.0              8.0
## 590       3.0        7.0            3.0              6.0              5.0
## 591       5.0        6.0            5.0              7.0              7.0
## 592       7.0        8.0            9.0              8.0              6.0
## 593       2.0        8.0            4.0              7.0              7.0
## 594       4.0        5.0            2.0              6.0              7.0
## 595       3.0        8.0            3.0              6.0              6.0
## 596       1.0        5.0            1.0              5.0              7.0
## 597       6.0        8.0            5.0              6.0              7.0
## 598       7.0        6.0            7.0              5.0              8.0
## 599       7.0        7.0            6.0              6.0              8.0
## 600       8.0        7.0            8.0              7.0              8.0
## 601       6.0       10.0            6.0             10.0              8.0
## 602       6.0        5.0            4.0             10.0              9.0
## 603       6.0        4.0            4.0              9.0              8.0
## 604       5.0        7.0            6.0              6.0              7.0
## 605       7.0        5.0            5.0              6.0              8.0
## 606       7.0        6.0            5.0              9.0              6.0
## 607       7.0        8.0            7.0              8.0              9.0
## 608       5.0        6.0            4.0              6.0              8.0
## 609       7.0        8.0            6.0              7.0              7.0
## 610       9.0        8.0           10.0              8.0              8.0
## 611       3.0        4.0            2.0              6.0              7.0
## 612       7.0        6.0            5.0              6.0              8.0
## 613       9.0        5.0            3.0              8.0              8.0
## 614       9.0        6.0            6.0              6.0              8.0
## 615       4.0        7.0            3.0              9.0              5.0
## 616       6.0        6.0            5.0              6.0              5.0
## 617       6.0        6.0            6.0              5.0              6.0
## 618       7.0        7.0            7.0              6.0              6.0
## 619       8.0       10.0            5.0              6.0              7.0
## 620       4.0        6.0            2.0              5.0              6.0
## 621       4.0        4.0            4.0              7.0              5.0
## 622       7.0        6.0            6.0              5.0              6.0
## 623       7.0        7.0            6.0              9.0              5.0
## 624       2.0        6.0            2.0              7.0              6.0
## 625       7.0        8.0            8.0              5.0              7.0
## 626       7.0        7.0            4.0              5.0              6.0
## 627       3.0        5.0            3.0              5.0              6.0
## 628       8.0        7.0            8.0              7.0              5.0
## 629       1.0        2.0            1.0              6.0              6.0
## 630       6.0        6.0            6.0              6.0              3.0
## 631       7.0        4.0            3.0              6.0              7.0
## 632       8.0        5.0            7.0              3.0              7.0
## 633       5.0        6.0            3.0              3.0              8.0
## 634       7.0        7.0            6.0              4.0              6.0
## 635       8.0        6.0            5.0              4.0              6.0
## 636       8.0        7.0            6.0              6.0              8.0
## 637       8.0        6.0            6.0              9.0              8.0
## 638       7.0        6.0            3.0              9.0              8.0
## 639       5.0        6.0            7.0              8.0              8.0
## 640       8.0        8.0            6.0              6.0              8.0
## 641       7.0        5.0            7.0              5.0              6.0
```

```
## 642      8.0        8.0           8.0              7.0            7.0
## 643      9.0        6.0           4.0              5.0            6.0
## 644      6.0        7.0           8.0              5.0            8.0
## 645      3.0        2.0           2.0              7.0            7.0
## 646      8.0        7.0           6.0              7.0            7.0
## 647      2.0        2.0           3.0              6.0            8.0
## 648      9.0        4.0           6.0              3.0            6.0
## 649      8.0        5.0           3.0              7.0            7.0
## 650      7.0        5.0           5.0              3.0            5.0
## 651      9.0        9.0           8.0              6.0            7.0
## 652      5.0        7.0           4.0              7.0            8.0
## 653      7.0        6.0           7.0              7.0            8.0
## 654      8.0        7.0           6.0              7.0            7.0
## 655      8.0        9.0           8.0              9.0            8.0
## 656      7.0        7.0           6.0              9.0            8.0
## 657      5.0        6.0           6.0              8.0            8.0
## 658      8.0        6.0           4.0              7.0            8.0
## 659      7.0        7.0           7.0              7.0            7.0
## 660      6.0        7.0           5.0              9.0            7.0
## 661      9.0        6.0           6.0              7.0            7.0
## 662      5.0        7.0           5.0              7.0            7.0
## 663      7.0        8.0           6.0              8.0            8.0
## 664      9.0        9.0          10.0              8.0            8.0
## 665      8.0       10.0           8.0              8.0            8.0
## 666      4.0        4.0           4.0              6.0            8.0
## 667      8.0        5.0           3.0              8.0            7.0
## 668      7.0        9.0           6.0              7.0            8.0
## 669      7.0        7.0           6.0              5.0            8.0
## 670      7.0        7.0           7.0              6.0            8.0
## 671      8.0        8.0           7.0              5.0            7.0
## 672      8.0        7.0           6.0              7.0            7.0
## 673      8.0       10.0           7.0              7.0            7.0
## 674      7.0        6.0           6.0              8.0            7.0
## 675      7.0        8.0           4.0              8.0            7.0
## 676      7.0        7.0           6.0              6.0            7.0
## 677      8.0        7.0           7.0              6.0            7.0
## 678      9.0        8.0           8.0              8.0            8.0
## 679      9.0        8.0           4.0              6.0            7.0
## 680      7.0       10.0           5.0              6.0            8.0
## 681      6.0        7.0           4.0              7.0            7.0
## 682     10.0        8.0           9.0              7.0            7.0
## 683      5.0        8.0           3.0              7.0            7.0
## 684      8.0        4.0           4.0              5.0            7.0
## 685      9.0        9.0           7.0              6.0            7.0
## 687      4.0        4.0           2.0              2.0            8.0
## 688      4.0        4.0           2.0              2.0            2.0
## 689      4.0        4.0           4.0              4.0            6.0
## 690      7.0        8.0           6.0              7.0            5.0
## 691      7.0       10.0           8.0              6.0            4.0
## 692      5.0        6.0           6.0              7.0            3.0
## 693      1.0        6.0           2.0              8.0            4.0
## 694      4.0        6.0           6.0              5.0            8.0
## 695      2.0        4.0           3.0              3.0            5.0
## 696      5.0        5.0           5.0              7.0            7.0
```

```
## 697      6.0      7.0           5.0           8.0           7.0
## 698      1.0      9.0           2.0           6.0           9.0
## 699      2.0      2.0           2.0           6.0           6.0
## 700      6.0      7.0           6.0           8.0           4.0
## 701      2.0      5.0           4.0           5.0           6.0
## 702      7.0      6.0           8.0           2.0           9.0
## 703      8.0      8.0           3.0           6.0           8.0
## 704      1.0      9.0           6.0           1.0           8.0
## 705      5.0      8.0           2.0           6.0           6.0
## 706      5.0      5.0           4.0           4.0           6.0
## 707      7.0      5.0           6.0           7.0           7.0
## 708      6.0      8.0           7.0           7.0           7.0
## 709      5.0      9.0           7.0           8.0           7.0
## 710      4.0      4.0           4.0           8.0           7.0
## 711      1.0      4.0           2.0           8.0           7.0
## 712      5.0      7.0           5.0           5.0           7.0
## 713      6.0      7.0           5.0           6.0           7.0
## 714      5.0      5.0           5.0           8.0           8.0
## 715      6.0      9.0           4.0           6.0           7.0
## 716      9.0      7.0           9.0           5.0           7.0
## 717      4.0      5.0           3.0           6.0           6.0
## 718      7.0      7.0           9.0           7.0           7.0
## 719      2.0      5.0           2.0           6.0           6.0
## 720      6.0      4.0           5.0           5.0           7.0
## 721      3.0      8.0           3.0           7.0           7.0
## 722      6.0      9.0           6.0           4.0           6.0
## 723      7.0      7.0           2.0           6.0           8.0
## 724      6.0      7.0           8.0           6.0           8.0
## 725      7.0      7.0           6.0           7.0           8.0
## 726      7.0      8.0           8.0           8.0           8.0
## 727      7.0      8.0           5.0           9.0           8.0
## 728      6.0      7.0           5.0           9.0           9.0
## 729      3.0      8.0           2.0           8.0           8.0
## 730      5.0      7.0           6.0           6.0           8.0
## 731      7.0      9.0           7.0           6.0           8.0
## 732      6.0      6.0           6.0           8.0           8.0
## 733      8.0      9.0           9.0           8.0           9.0
## 734      6.0      7.0           4.0           7.0           9.0
## 735      3.0      7.0           3.0           8.0           8.0
## 736      8.0      8.0           6.0           8.0           7.0
## 737      5.0      6.0           7.0           7.0           8.0
## 738      4.0      7.0           4.0           7.0           8.0
## 739      3.0      9.0           5.0           6.0           9.0
## 740      5.0      5.0           6.0           5.0           8.0
## 741      6.0      8.0           2.0           5.0           7.0
## 742      4.0      5.0           4.0           4.0           7.0
## 743      6.0      5.0           5.0           6.0           7.0
## 744      8.0      8.0           8.0           8.0           7.0
## 745      6.0      9.0           6.0           8.0           9.0
## 746      2.0      7.0           2.0           8.0           8.0
## 747      3.0      6.0           2.0           9.0           9.0
## 748      4.0      6.0           5.0           5.0           8.0
## 749      4.0      7.0           6.0           6.0           8.0
## 750      4.0      5.0           5.0           8.0           8.0
```

```
## 751      8.0       9.0          9.0          7.0          8.0
## 752      5.0       6.0          8.0          5.0          8.0
## 753      5.0       7.0          3.0          8.0          8.0
## 754      6.0       7.0          9.0          8.0          8.0
## 755      4.0       5.0          2.0          9.0          8.0
## 756      2.0       3.0          3.0          6.0          8.0
## 757      5.0       9.0          5.0          6.0          8.0
## 758      5.0       6.0          6.0          3.0          8.0
## 759      8.0       9.0          5.0          5.0          8.0
## 760      7.0       7.0          7.0          5.0          8.0
## 761      6.0       7.0          5.0          6.0          9.0
## 762      7.0       7.0          2.0          8.0          9.0
## 763      8.0       8.0          6.0          8.0          9.0
## 764      6.0       6.0          4.0          8.0          9.0
## 765      4.0       3.0          4.0          9.0          8.0
## 766      6.0       5.0          3.0          6.0          8.0
## 767      8.0       7.0          8.0          7.0          9.0
## 768     10.0       9.0          8.0          8.0         10.0
## 769      9.0       7.0          5.0          6.0          8.0
## 770      6.0       6.0          4.0          6.0          9.0
## 771      6.0       6.0          5.0          8.0          9.0
## 772      8.0       8.0          6.0          8.0          8.0
## 773      6.0       8.0          4.0          6.0          9.0
## 774      7.0       4.0          5.0          6.0          9.0
## 775      8.0       9.0          8.0          8.0         10.0
## 776     10.0       7.0          6.0          5.0          9.0
## 777      7.0       9.0          5.0          2.0          6.0
## 778      7.0       7.0          5.0          3.0          9.0
## 779      6.0       4.0          3.0          3.0          7.0
## 780      7.0       6.0          6.0          5.0         10.0
## 781      7.0       7.0          5.0          4.0          7.0
## 782     10.0       9.0          6.0          3.0         10.0
## 783      5.0       7.0          5.0          3.0         10.0
## 784      5.0       4.0          5.0          4.0         10.0
## 785      8.0      10.0          5.0          3.0         10.0
## 786      7.0       7.0          5.0          3.0         10.0
## 787      6.0       6.0          5.0          8.0          7.0
## 788      5.0       4.0          1.0          8.0          8.0
## 789      5.0       5.0          4.0          7.0          6.0
## 790      5.0       5.0          6.0          9.0          8.0
## 791      5.0       5.0          4.0          8.0         10.0
## 792      6.0       8.0          6.0         10.0          9.0
## 793      7.0       7.0          7.0         10.0         10.0
## 794      6.0       6.0          5.0         10.0         10.0
## 795      8.0       6.0          5.0          8.0          9.0
## 796      6.0       5.0          5.0          8.0          8.0
## 797      8.0       8.0          6.0          9.0         10.0
## 798     10.0       7.0          6.0          7.0         10.0
## 799      4.0       6.0          4.0          5.0          1.0
## 800      4.0       4.0          6.0          9.0          9.0
## 801      8.0       6.0          5.0          6.0         10.0
## 802      6.0       5.0          1.0          2.0         10.0
## 803      6.0       5.0          5.0         10.0          4.0
## 804      6.0       7.0          5.0          7.0         10.0
```

```
## 805     7.0      7.0        5.0          9.0        10.0
## 806     6.0      5.0        5.0          2.0        10.0
## 807     5.0      6.0        5.0          5.0         8.0
## 808     4.0      3.0        2.0          6.0         8.0
## 809     5.0      5.0        2.0          7.0         7.0
## 810     4.0      6.0        3.0          8.0         8.0
## 811     7.0      5.0        5.0          6.0         5.0
## 812     7.0      7.0        2.0          6.0         9.0
## 813     5.0      6.0        5.0          7.0         7.0
## 814     3.0      6.0        5.0          6.0         5.0
## 815     7.0      8.0        7.0          5.0         8.0
## 816     6.0      5.0        7.0          6.0         8.0
## 817     8.0      7.0        5.0          6.0         7.0
## 818    10.0     10.0       10.0          8.0         9.0
## 819     5.0      5.0        4.0          6.0         7.0
## 820     6.0      7.0        6.0          8.0         8.0
## 821     5.0      6.0        7.0          7.0         7.0
## 822    10.0      6.0        6.0          7.0         8.0
## 823     7.0      7.0        7.0          7.0         7.0
## 824     6.0      5.0        5.0          7.0         8.0
## 825     9.0      7.0        8.0          6.0         8.0
## 826     4.0      5.0        5.0          7.0         7.0
## 827     5.0      6.0        4.0          2.0         7.0
## 828     5.0      5.0        5.0          7.0         7.0
## 829     6.0      5.0        3.0          7.0         7.0
## 830     7.0      9.0        6.0          6.0         7.0
## 831     7.0      5.0        4.0          6.0         6.0
## 832     7.0      7.0        6.0          1.0         7.0
## 833     5.0      7.0        6.0          3.0         8.0
## 834     6.0      7.0        5.0          4.0         5.0
## 835     7.0      3.0        5.0          3.0         8.0
## 836     7.0      6.0        5.0          3.0         7.0
## 837     5.0      4.0        4.0          7.0         7.0
## 838     6.0      7.0        6.0          7.0         7.0
## 839     3.0      7.0        2.0          4.0         5.0
## 840     4.0      9.0        1.0          7.0         7.0
## 841     6.0      6.0        5.0          5.0         6.0
## 842     8.0      8.0        5.0          5.0         6.0
## 843     4.0      7.0        6.0          6.0         6.0
## 844     6.0      5.0        5.0          6.0         6.0
## 845     9.0      6.0        8.0          6.0         6.0
## 846     5.0      6.0        5.0          8.0         6.0
## 847     8.0      6.0        8.0          6.0         7.0
## 848     8.0      7.0        7.0          6.0         7.0
## 849     7.0      5.0        3.0          7.0         7.0
## 850     8.0      6.0        2.0          7.0         7.0
## 851     7.0      7.0        8.0          7.0         7.0
## 852     9.0      8.0        6.0          5.0         7.0
## 853     7.0      6.0        7.0          7.0         7.0
## 854     7.0      6.0        5.0          7.0         7.0
## 855     9.0      5.0        6.0          7.0         7.0
## 856     8.0      6.0        5.0          5.0         8.0
## 857     3.0      2.0        3.0          7.0         6.0
## 858     7.0      7.0        7.0          4.0         7.0
```

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## 859     5.0      7.0           6.0           5.0           8.0
## 860     8.0      8.0           3.0           3.0           6.0
## 861     7.0      8.0           6.0           9.0           8.0
## 862     5.0      4.0           2.0           2.0           6.0
## 863     6.0      8.0           5.0           4.0           6.0
## 864     7.0      8.0           6.0           8.0           8.0
## 865     7.0      9.0           7.0           8.0           8.0
## 866     7.0      8.0           1.0           5.0          10.0
## 867     3.0      7.0           3.0           6.0           6.0
## 868     8.0      7.0           3.0           0.0           6.0
## 869     9.0      8.0           8.0          10.0          10.0
## 870     5.0      5.0           5.0           5.0           5.0
## 871     6.0      5.0           5.0           6.0           6.0
## 872     7.0      7.0           6.0           7.0           6.0
## 873     3.0      5.0           2.0           6.0           4.0
## 874     7.0      7.0           7.0           5.0           6.0
## 875     1.0      1.0           1.0           3.0           6.0
## 876     7.0      8.0           6.0           4.0           6.0
## 877     5.0      6.0           6.0           8.0           7.0
## 878     5.0      5.0           5.0           4.0           7.0
## 879     4.0      5.0           3.0           3.0           4.0
## 880     7.0      7.0           6.0           6.0           7.0
## 881     5.0      8.0           6.0           7.0           5.0
## 882     8.0      9.0           9.0           4.0           7.0
## 883     9.0      7.0           4.0           4.0           7.0
## 884     8.0      8.0           5.0           2.0           8.0
## 885     8.0      8.0           8.0           8.0           6.0
## 886     5.0      6.0           5.0           1.0           6.0
## 887     6.0      4.0           4.0           4.0           6.0
## 888     7.0      8.0           6.0           5.0           6.0
## 889     9.0     10.0           7.0           8.0           6.0
## 890    10.0     10.0          10.0           5.0           8.0
## 891     8.0      8.0           8.0           6.0           6.0
## 892     8.0      8.0           4.0           5.0           8.0
## 893     7.0      8.0           7.0           8.0           6.0
## 894     8.0      8.0           5.0           5.0           7.0
## 895     6.0      8.0           4.0           6.0           6.0
## 896     7.0      7.0           6.0           7.0           7.0
## 897     6.0      7.0           7.0           9.0           8.0
## 898     8.0      8.0           7.0           6.0           9.0
## 899     1.0      7.0           2.0           4.0           8.0
## 900     8.0      8.0           5.0           6.0           6.0
## 901     7.0      8.0           8.0          10.0           6.0
## 902     3.0      5.0           1.0           6.0           4.0
## 903     4.0      7.0           5.0           7.0           7.0
## 904     5.0      7.0           5.0           8.0           8.0
## 905     3.0      5.0           4.0           7.0           8.0
## 906    10.0      9.0           9.0           5.0           8.0
## 907     1.0      1.0           3.0           5.0           8.0
## 908     8.0      8.0           5.0           5.0           8.0
## 909     6.0      7.0           7.0           7.0           7.0
## 910     3.0      7.0           1.0           5.0           8.0
## 911     6.0      6.0           6.0           6.0           7.0
## 912     7.0      6.0           7.0           5.0           7.0
```

```
## 913     8.0      9.0           7.0            7.0           7.0
## 914    10.0     10.0           9.0            6.0           8.0
## 915     9.0      7.0           4.0            4.0           7.0
## 916     8.0      9.0           4.0            3.0           7.0
## 917     7.0      9.0           7.0            7.0           7.0
## 918     5.0      8.0           5.0            4.0           8.0
## 919     6.0      5.0           4.0            3.0           7.0
## 920     8.0      8.0           5.0            6.0           8.0
## 921     3.0      5.0           2.0            8.0          10.0
## 922    10.0      9.0          10.0            7.0           6.0
## 923     9.0     10.0           8.0            6.0           8.0
## 924     8.0      7.0           4.0            5.0           9.0
## 925     7.0      7.0           8.0           10.0           9.0
## 926     7.0      8.0           3.0            7.0           8.0
## 927     5.0      6.0           4.0            8.0           7.0
## 928     7.0      7.0           5.0            7.0           9.0
## 929     2.0      9.0           3.0            8.0           6.0
## 930    10.0      9.0           7.0            6.0           8.0
## 931     5.0      7.0           5.0            5.0           6.0
## 932     8.0      8.0           5.0            6.0           7.0
## 933     6.0      8.0           6.0            6.0           5.0
## 934     2.0      3.0           2.0            5.0           6.0
## 935     5.0      8.0           5.0            6.0           6.0
## 936     6.0      8.0           5.0            6.0           7.0
## 937     7.0      7.0           6.0            5.0           5.0
## 938     8.0      4.0           6.0            4.0           5.0
## 939     8.0      7.0           6.0            2.0          10.0
## 940     7.0      7.0           7.0           10.0           8.0
## 941     7.0      7.0           6.0            2.0          10.0
## 942     5.0      7.0           3.0            6.0           8.0
## 943     7.0      7.0           4.0            1.0          10.0
## 944     8.0      7.0           6.0            1.0          10.0
## 945    10.0      6.0           9.0            1.0           7.0
## 946     7.0      7.0           7.0            6.0           7.0
## 947     6.0      6.0           5.0            2.0           3.0
## 948     9.0      8.0           7.0            5.0           7.0
## 949     8.0      4.0           6.0            4.0           8.0
## 950     9.0      9.0           9.0            8.0           6.0
## 951     7.0      5.0           8.0            5.0           5.0
## 952     8.0      8.0           7.0            5.0           5.0
## 953     8.0      7.0           3.0            5.0           5.0
## 954     8.0      6.0           4.0            2.0           8.0
## 955     7.0      7.0           5.0            4.0           7.0
## 956     6.0      5.0           5.0            4.0           6.0
## 957     6.0      7.0           6.0            4.0           6.0
## 958     9.0      6.0           6.0            6.0           5.0
## 959     7.0      7.0           6.0            8.0           9.0
## 960     8.0      8.0           9.0           10.0           7.0
## 961     5.0      5.0           4.0            4.0           6.0
## 962     5.0      7.0           6.0            3.0           5.0
## 963     6.0      6.0           6.0            6.0           7.0
## 964     7.0      7.0           5.0            9.0           7.0
## 965     6.0      6.0           7.0            6.0           6.0
## 966     8.0      7.0           7.0            7.0           7.0
```

```
## 967      6.0      4.0      6.0      5.0      6.0
## 968      8.0      9.0      7.0      9.0      9.0
## 969      6.0      5.0      3.0      9.0      7.0
## 970      7.0      5.0      4.0      6.0      7.0
## 971      6.0      9.0      8.0      8.0      9.0
## 972      5.0      6.0      5.0      4.0      6.0
## 973      6.0      5.0      3.0      4.0      2.0
## 974      4.0      4.0      6.0      2.0      4.0
## 975      6.0      6.0      6.0      2.0      5.0
## 976      7.0      6.0      5.0      9.0      5.0
## 977      7.0      7.0      6.0      7.0      9.0
## 978      4.0      2.0      4.0      7.0      9.0
## 979      7.0      8.0      8.0      2.0      9.0
## 980      5.0      7.0      6.0      2.0      9.0
## 981      3.0      6.0      5.0      3.0      8.0
## 982      6.0      6.0      6.0      5.0      9.0
## 983      6.0      4.0      4.0      9.0      5.0
## 984      6.0      4.0      6.0      7.0      9.0
## 985      8.0      8.0      6.0      5.0      9.0
## 986      5.0      5.0      5.0      9.0      9.0
## 987      5.0      4.0      3.0      7.0      4.0
## 988      8.0      8.0      3.0      7.0     10.0
## 989      4.0      6.0      6.0      2.0      2.0
## 990      2.0      2.0      3.0      5.0      5.0
## 991      8.0      6.0      9.0      5.0      6.0
## 992      6.0      5.0      5.0      5.0      6.0
## 993      9.0      8.0      8.0      7.0      7.0
## 994      6.0      7.0      7.0      7.0      7.0
## 995      7.0      7.0      6.0      2.0      2.0
## 996      8.0      8.0      9.0      7.0      7.0
## 997      8.0      6.0      4.0      4.0      6.0
## 998      6.0      7.0      6.0      4.0      6.0
## 999      4.0      6.0      3.0      2.0      2.0
## 1000     6.0      7.0      6.0      5.0      5.0
## 1001     7.0      7.0      4.0      6.0      6.0
## 1002     9.0      5.0      6.0      6.0      6.0
## 1003     6.0      9.0      8.0      5.0      5.0
## 1004     7.0      6.0      5.0      5.0      7.0
## 1005     7.0      4.0      7.0      6.0      6.0
## 1006     7.0      7.0      5.0      5.0      5.0
## 1007     8.0      6.0      6.0      4.0      4.0
## 1008     5.0      3.0      7.0      6.0      6.0
## 1009     7.0      7.0      5.0      1.0      7.0
## 1010     5.0      6.0      4.0      7.0      9.0
## 1011     6.0      7.0      6.0      6.0      7.0
## 1012     4.0      6.0      6.0      8.0      8.0
## 1013     7.0      7.0      6.0      6.0      7.0
## 1014     7.0      5.0      5.0      8.0      8.0
## 1015     7.0      8.0      4.0      6.0      8.0
## 1016     7.0      7.0      6.0      6.0      8.0
## 1017     7.0      7.0     10.0      8.0      8.0
## 1018     6.0      7.0      6.0      7.0      8.0
## 1019     6.0      7.0      4.0      8.0      8.0
## 1020     6.0      5.0      7.0      8.0      8.0
```

```
## 1021    3.0    10.0    4.0    7.0     9.0
## 1022    5.5     6.0    2.0    6.0     9.0
## 1023    7.0     6.0    2.0    8.0     8.0
## 1024    7.0     7.0    5.0    8.0     8.0
## 1025    6.0     9.0    6.0    6.0     7.0
## 1026    3.0     5.0    5.0    7.0     9.0
## 1027    8.0     8.0    6.0    2.0    10.0
## 1028    8.0     6.0    7.0    3.0     7.0
## 1029    8.0     7.0    6.0    2.0     6.0
## 1030    7.0     8.0    7.0    8.0     8.0
## 1031    7.0     7.0    6.0    7.0     6.0
## 1032    5.0     5.0    8.0    8.0     8.0
## 1033    9.0     9.0    8.0    3.0     8.0
## 1034    7.0     7.0    6.0    3.0     8.0
## 1035    8.0     8.0    9.0    2.0     8.0
## 1036    8.0     8.0    8.0    4.0     9.0
## 1037    7.0     7.0    6.0    6.0     8.0
## 1038    8.0    10.0    5.0    9.0     9.0
## 1039    3.0    10.0    9.0    4.0     9.0
## 1040    9.0     9.0    8.0    2.0     7.0
## 1041    7.0     6.0    6.0    7.0     7.0
## 1042    6.0     8.0    5.0    6.0     9.0
## 1043    5.0    10.0    5.0    6.0     6.0
## 1044    6.0     8.0    3.0    4.0     9.0
## 1045    8.0     6.0    6.0    7.0     7.0
## 1046    6.0     5.0    4.0    4.0     8.0
## 1047    8.0     7.0    6.0    5.0    10.0
## 1048    5.0     6.0    7.0    8.0     9.0
## 1049    7.0     7.0    6.0    7.0    10.0
## 1050    4.0     3.0    2.0    8.0     8.0
## 1051    8.0     8.0    7.0    5.0    10.0
## 1052    9.0     7.0    8.0    5.0    10.0
## 1053    9.0     8.0    5.0    4.0    10.0
## 1054    6.0     6.0    3.0    6.0     8.0
## 1055    8.0     6.0    5.0    8.0     9.0
## 1056    6.0     7.0    6.0    7.0     9.0
## 1057    5.0     3.0    6.0    5.0    10.0
## 1058    8.0     7.0    7.5    7.0    10.0
## 1059    7.0     5.0    4.0    7.0    10.0
## 1060    8.0     7.0    5.0    6.0    10.0
## 1061    8.0     6.0    7.0    7.0     8.0
## 1062    5.0     5.0    3.0    6.0    10.0
## 1063    7.0     7.0    5.0    4.0     6.0
## 1064    6.0     7.0    5.0    5.0     6.0
## 1065    6.0     6.0    6.0    4.0     8.0
## 1066    6.0     8.0    4.0    8.0     6.0
## 1067    7.0     7.0    6.0    5.0     6.0
## 1068    8.0     9.0    9.0    8.0     7.0
## 1069    8.0     8.0    6.0    4.0     8.0
## 1070    7.0     7.0    6.0    5.0     8.0
## 1071    8.0     5.0    6.0    5.0     7.0
## 1072    8.0     8.0    8.0    7.0     8.0
## 1073    7.0     7.0    5.0    7.0     8.0
## 1074    7.0     5.0    8.0    5.0    10.0
```

```
## 1075    10.0    10.0    10.0     5.0     8.0
## 1076     8.0     7.0     6.5     8.0     8.0
## 1077     7.0     6.0     4.0     5.0     7.0
## 1078     7.0     7.0     5.0     4.0     8.0
## 1079     8.0     8.0     6.0     4.0     7.0
## 1080     7.0     5.0     8.0     4.0     8.0
## 1081     6.0     6.0     5.0     1.0     5.0
## 1082     6.0     6.0     4.0     5.0     8.0
## 1083     8.0     8.0     8.0     5.0     8.0
## 1084     7.0     6.0     6.0     4.0     6.0
## 1085     7.0     7.0     6.0     5.0     8.0
## 1086     7.0     7.0     7.0     7.0     5.0
## 1087     8.0     7.0     5.0     2.0     5.0
## 1088     7.0     7.0     6.0     3.0     7.0
## 1089     5.0     5.0     4.0     4.0     5.0
## 1090     8.0     8.0     7.0     5.0     5.0
## 1091     6.0     6.0     5.0     6.0     2.0
## 1092     8.0     7.0     9.0     5.0     5.0
## 1093     8.0     8.0     8.0     4.0     6.0
## 1094     6.5     9.0     4.0     4.0     8.0
## 1095     8.0     8.0     5.0     4.0     0.0
## 1096     8.0     6.0     7.0     5.0     5.0
## 1097     6.0     8.0     6.0     4.0     4.0
## 1098     5.0     5.0     3.0     3.0     5.0
## 1099     7.0     7.0     5.0     4.0     1.0
## 1100     6.0     5.0     6.0     5.0     6.0
## 1101     7.0     7.0     6.0     5.0     5.0
## 1102     5.0     7.0     4.0     7.0     8.0
## 1103     7.0     7.0     6.0     8.0     8.0
## 1104     5.0     4.0     9.0     8.0     7.0
## 1105     9.0     7.0     9.0     5.0     8.0
## 1106     8.0     7.0     7.0     4.0     7.0
## 1107     2.0     7.0     3.0     5.0     8.0
## 1108     8.0     7.0     7.0     8.0     7.0
## 1109     6.0     5.0     5.0     7.0     7.0
## 1110     7.0     6.0     7.0     8.0     8.0
## 1111     3.0     6.0     6.0     6.0     8.0
## 1112     8.0     6.0     8.0     7.0     6.0
## 1113     5.0     4.0     3.0     6.0     6.0
## 1114     8.0     7.0     4.0     6.0     8.0
## 1115     8.0     8.0     6.0     5.0     5.0
## 1116     6.0     7.0     6.0     6.0     4.0
## 1117     8.0     6.0     6.0     5.0     7.0
## 1118     9.0     6.0     9.0     6.0     8.0
## 1119     8.0     7.0     8.0     6.0     7.0
## 1120     8.0     8.0     7.0     7.0     7.0
## 1121    10.0     7.0    10.0     7.0     8.0
## 1122     4.0     8.0     5.0     7.0     6.0
## 1123     9.0     7.0     8.0     7.0     6.0
## 1124     9.0     7.0     6.0     6.0     7.0
## 1125     8.0     8.0     5.0     5.0     8.0
## 1126     7.0     7.0     6.0     7.0     6.0
## 1127     8.0     7.0     6.0     9.0     8.0
## 1128     8.0     7.0     6.0     7.0     8.0
```

```
## 1129    8.0    9.0    1.0     5.0    7.0
## 1130    7.0    8.0    8.0    10.0    7.0
## 1131    7.0    7.0    5.0    10.0    8.0
## 1132    8.0    7.0    8.0     6.0    7.0
## 1133    8.0    7.0    8.0     8.0    7.0
## 1134    4.0    7.0    3.0     4.0    5.0
## 1135    7.0    7.0    5.0     2.0    3.0
## 1136    6.0    6.0    6.0     2.0    2.0
## 1137    7.0    7.0    6.0     3.0    6.0
## 1138    7.0    6.0    5.0     3.0    4.0
## 1139    7.0    7.0   10.0     2.0    8.0
## 1140    8.0    7.0    4.0     8.0    8.0
## 1141    8.0    6.0    4.0     3.0   10.0
## 1142    6.0    7.0    6.0     1.0    3.0
## 1143    7.0    4.0    3.0     2.0    3.0
## 1144    7.0    7.0    8.0     3.0    5.0
## 1145    6.0    6.0    5.0     2.0    3.0
## 1146    6.0    7.0    5.0     1.0    6.0
## 1147    8.0    4.0    6.0     2.0    4.0
## 1148    9.0    9.0    8.5     8.0   10.0
## 1149    6.0    7.0    3.0     7.0    9.0
## 1150    8.0    7.0    8.0     2.0    4.0
## 1151    7.0    9.0    6.0     4.0    3.0
## 1152    5.0    5.0    4.0     2.0    4.0
## 1153    6.0    6.0    5.0     1.0    2.0
## 1154    7.0    7.0    6.0     2.0   10.0
## 1155    7.0    7.0    6.0     3.0    7.0
## 1156    5.0    7.0    6.0     6.0    7.0
## 1157   10.0    7.0   10.0     3.0   10.0
## 1158    4.0    5.0    8.0     8.0   10.0
## 1159    9.0    9.0    8.0     4.0   10.0
## 1160    7.0    7.0    6.0     3.0   10.0
## 1161    6.0    7.0    5.0     2.0   10.0
## 1162    6.0    7.0    6.0     6.0    7.0
## 1163    6.0    6.0    5.0     6.0    9.0
## 1164    8.0    7.0    7.0     6.0    9.0
## 1165    8.0    6.0    5.0     2.0   10.0
## 1166    9.0    9.0    9.0     3.0   10.0
## 1167    8.0    5.0    4.0     8.0   10.0
## 1168    6.0    6.0    7.0     5.0   10.0
## 1169    7.0    6.0    6.0     4.0   10.0
## 1170    5.0    5.0    4.0     2.0   10.0
## 1171    5.0    5.0    5.0     6.0    9.0
## 1172    4.0    6.0    3.0     6.0    9.0
## 1173    7.0    7.0    6.0     6.0   10.0
## 1174    7.0    7.0    5.0     7.0    9.0
## 1175    7.0    7.0    6.0     6.0    9.0
## 1176    7.0    7.0    6.0     9.0    9.0
## 1177    9.0    8.0    7.0     8.0    9.0
## 1178    6.0    9.0    2.0     5.0    9.0
## 1179    1.0    3.0    2.0     6.0   10.0
## 1180    7.0    8.0    5.0     8.0    9.0
## 1181    6.0    7.0    6.0     9.0    9.0
## 1182    6.0    8.0    5.0     6.0    9.0
```

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## 1183     8.0      10.0          6.0           8.0          10.0
## 1184     6.0       9.0          4.0           9.0           9.0
## 1185     6.0       6.0          4.0           9.0           9.0
## 1186     6.0       8.0          3.0           8.0          10.0
## 1187     5.0       9.0          6.0           7.0          10.0
## 1188     6.0       8.0          7.0           7.0          10.0
## 1189     3.0       3.0          3.0           0.0           5.0
## 1190     4.0       5.0          4.0           8.0           8.0
## 1191     6.0       6.0          6.0           5.0           5.0
## 1192     4.0       9.0          5.0           7.0           6.0
## 1193     7.0      10.0          6.0           6.0           6.0
## 1194     6.0       5.0          0.0           7.0           8.0
## 1195     2.0       4.0          2.0           5.0           8.0
## 1196     6.0       8.0          6.0           4.0           8.0
## 1197     2.0       2.0          2.0           5.0           7.0
## 1198     5.0       5.0          5.0           4.0           8.0
## 1199    10.0      10.0         10.0          10.0          10.0
## 1200     5.0       6.0          5.0           5.0           7.0
## 1201     3.0       7.0          4.0           6.0           7.0
## 1202     6.0       6.0          2.0           6.0           7.0
## 1203     6.0       5.0          3.0           7.0           7.0
## 1204     6.0       8.0          3.0           6.0           7.0
## 1205     4.0       7.0          6.0           6.0           6.0
## 1206     4.0       5.0          7.0           6.0           9.0
## 1207     8.0       8.0          5.0           5.0           7.0
## 1208     7.0       8.0          7.0           5.0           6.0
## 1209     8.0       8.0          7.0           4.0           6.0
## 1210     8.0       9.0          6.0           6.0           7.0
## 1211     7.0       7.0          6.0           6.0           9.0
## 1212     7.0       8.0          8.0           8.0           7.0
## 1213     9.0       9.0          8.0           6.0           7.0
## 1214     8.0       7.0          6.0           4.0           7.0
## 1215     8.0      10.0          7.0           4.0           6.0
## 1216     8.0       8.0          8.0           7.0           7.0
## 1217     6.0       8.0          6.0           7.0           7.0
## 1218     9.0       7.0          7.0           7.0          10.0
## 1219    10.0      10.0         10.0           5.0           7.0
## 1220     8.0       8.0          7.0           8.0           7.0
## 1221     9.0       8.0          4.0           9.0           7.0
## 1222     7.0       8.0          5.0           6.0           7.0
## 1223     7.0       8.0          6.0           6.0           7.0
## 1224     5.0       6.0          6.0           5.0           8.0
## 1225     6.0       7.0          7.0           4.0           3.0
## 1226     7.0       4.0          5.0           4.0           8.0
## 1227     6.0       7.0          5.0           3.0           9.0
## 1228     6.0       8.0          9.0          10.0          10.0
## 1229     7.0       7.0          6.0           8.0           7.0
## 1230     5.0       7.0          7.0          10.0          10.0
## 1231     7.0       6.0          6.0           6.0           8.0
## 1232     7.0       7.0          6.0           6.0           9.0
## 1233     6.0       8.0          7.0           4.0           8.0
## 1234     6.0       6.0          6.0           8.0           7.0
## 1235     6.0       6.0          6.0           8.0           8.0
## 1236     7.0       6.0          6.0           7.0           8.0
```

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## 1237     4.0      6.0          6.0           7.0          8.0
## 1238     9.0      9.0          8.0           8.0          9.0
## 1239     6.0      8.0          2.0           8.0          9.0
## 1240     6.0      8.0          3.0           7.0          9.0
## 1241     8.0      7.0          5.0           6.0          9.0
## 1242     3.0      4.0          4.0           6.0          7.0
## 1243     8.0      6.0          7.0           6.0          6.0
## 1244     8.0      5.0          6.0           7.0          8.0
## 1245     8.0      7.0          6.0           7.0          7.0
## 1246     8.0      7.0          8.0           8.0          7.0
## 1247     7.0      7.0          6.0           6.0          6.0
## 1248     5.0      9.0          7.0           7.0          6.0
## 1249    10.0      8.0          7.0           7.0          7.0
## 1250     8.0      7.0          7.0           7.0          6.0
## 1251     6.0      6.0          5.0           6.0          7.0
## 1252     8.0      7.0          6.0           7.0          7.0
## 1253     8.0      6.0          6.0           8.0          8.0
## 1254     7.0      6.0          5.0           7.0          7.0
## 1255     8.0      8.0          8.0           7.0          7.0
## 1256     9.5      9.5          9.0           7.0          7.0
## 1257     7.0      6.0          4.0           7.0          7.0
## 1258     7.0      7.0          3.0           7.0          7.0
## 1259     7.0      8.0          8.0           7.0          7.0
## 1260     5.0      5.0          5.0           7.0          7.0
## 1261    10.0      8.0          6.0           6.0          6.0
## 1262    10.0      7.0          7.0           8.0          8.0
## 1263     2.0     10.0          2.0           7.0          5.0
## 1264     6.0      9.0          5.0           7.0          7.0
## 1265     7.0      7.0          7.0           6.0          7.0
## 1266     8.0     10.0          6.0           9.0          8.0
## 1267    10.0      9.0          8.0           9.0          9.0
## 1268     6.0      9.0          8.0           7.0          7.0
## 1269    10.0      0.0          3.0           6.0          7.0
## 1270     1.0     10.0          1.0           7.0          7.0
## 1271     9.0      5.0          6.0           6.0          8.0
## 1272     1.0      1.0          1.0           7.0          7.0
## 1273     1.0     10.0          4.0           7.0          6.0
## 1274     5.0      7.0          6.0           5.0          5.0
## 1275     0.0      9.0          0.0           5.0          6.0
## 1276     7.0      8.0          6.0           9.0          8.0
## 1277     3.0      8.0          5.0           9.0          8.0
## 1278     7.0      8.0          6.0           7.0          9.0
## 1279     4.0      6.0          6.0           6.0          6.0
## 1280     6.0      5.0          7.0           4.0          6.0
## 1281     4.0      9.0          6.0           5.0          6.0
## 1282     5.0      5.0          4.0           4.0          7.0
## 1283     8.0      9.0          8.0           5.0          8.0
## 1284     5.0      7.0          6.0           6.0          6.0
## 1285     5.0      7.0          4.0           4.0          6.0
## 1286     7.0      8.0          8.0           7.0          7.0
## 1287     5.0      5.0          4.0           5.0          7.0
## 1288     5.0      6.0          2.0           5.0          7.0
## 1289     7.0      7.0          6.0           8.0          8.0
## 1290     2.0      2.0          1.0           6.0          7.0
```

```
## 1291    2.0     10.0     5.0      6.0     7.0
## 1292    7.0      7.0     6.0      3.0     5.0
## 1293    8.0      6.0     4.0      3.0     8.0
## 1294    6.0      7.0     6.0      7.0     7.0
## 1295    4.0      8.0     3.0      6.0     6.0
## 1296    7.0      7.0     7.0      5.0     7.0
## 1297    4.0      4.0     6.0      6.0     7.0
## 1298    4.0      6.0     2.0      7.0     7.0
## 1299    2.0      9.0     2.0      6.0     6.0
## 1300    5.0      5.0     5.0      8.0     9.0
## 1301    7.0      8.0     7.0      6.0     7.0
## 1302    4.0      7.0     4.0      7.0     7.0
## 1303    8.0      9.0     7.0      7.0     8.0
## 1304    5.0      7.0     6.0      7.0     7.0
## 1305    6.0      6.0     5.0      7.0     7.0
## 1306    6.0      6.0     2.0      7.0     7.0
## 1307    4.0      7.0     6.0      8.0     8.0
## 1308    5.0      7.0     4.0      7.0     6.0
## 1309    2.0     10.0     3.0      7.0     7.0
## 1310    7.0      8.0     6.0      6.0     7.0
## 1311    5.0      6.0     7.0      6.0     8.0
## 1312    6.0      6.0     5.0      8.0     8.0
## 1313    6.0      9.0     5.0      7.0     7.0
## 1314    6.0      6.0     6.0      7.0     8.0
## 1315    8.0      7.0     6.0      4.0     6.0
## 1316    7.0      6.0     7.0      6.0     9.0
## 1317    7.0      7.0     2.0      8.0     7.0
## 1318    7.0      7.0     7.0      5.0     7.0
## 1319    8.0      7.0     8.0      4.0     6.0
## 1320    8.0      7.0     6.0      7.0     7.0
## 1321    7.0      8.0     8.0      5.0     6.0
## 1322    7.0      7.0     6.0      7.0     6.0
## 1323    4.0      7.0     3.0      7.0     7.0
## 1324    7.0      5.0     4.0      6.0     6.0
## 1325    7.0      7.0     6.0      8.0     8.0
## 1326    6.0      7.0     3.0      8.0     8.0
## 1327    7.0     10.0     7.0      6.0     7.0
## 1328    8.0      9.0     5.0      8.0     8.0
## 1329    7.0      7.0     5.0      3.0     7.0
## 1330    6.0      7.0     6.0      8.0     8.0
## 1331    8.0      9.0    10.0      8.0     7.0
## 1332    8.0      7.0     6.0      8.0     8.0
## 1333    2.0      7.0     6.0     10.0    10.0
## 1334    6.0      7.0     5.0     10.0    10.0
## 1335    2.0      9.0     2.0     10.0    10.0
## 1336    2.0      2.0     2.0     10.0    10.0
## 1337    6.0      6.0     5.0     10.0    10.0
## 1338    4.0      6.0     3.0     10.0    10.0
## 1339    7.0      8.0     6.0     10.0    10.0
## 1340    4.0      5.0     4.0     10.0    10.0
## 1341    2.0      2.0     2.0     10.0    10.0
## 1342    1.0      1.0     1.0     10.0    10.0
## 1343    5.0      5.0     5.0     10.0    10.0
## 1344    5.0      9.0     7.0     10.0    10.0
```

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## 1345     3.0     10.0     10.0     10.0     10.0
## 1346     6.0      7.0      5.0     10.0     10.0
## 1347     5.0      4.0      3.0     10.0     10.0
## 1348     5.0      8.0      3.0     10.0     10.0
## 1349     3.0      8.0      6.0     10.0     10.0
## 1350     6.0      6.0      5.0     10.0     10.0
## 1351     6.0      8.0      6.0      4.0      7.0
## 1352     7.0      9.0      9.0      8.0      8.0
## 1353     9.0      7.0      9.0      4.0      4.0
## 1354     7.0      7.0      7.0      6.0      7.0
## 1355     8.0      7.0      7.0      5.0      4.0
## 1356     7.0      9.0      8.0      8.0      7.0
## 1357    10.0     10.0     10.0      4.0      8.0
## 1358     8.0      8.0      7.0      6.0      7.0
## 1359     7.0      5.0      7.0      4.0      6.0
## 1360     6.0      6.0      5.0      5.0      7.0
## 1361     5.0      5.0      5.0      5.0      8.0
## 1362     7.0      8.0      7.0      8.0      8.0
## 1363     8.0     10.0      8.0      6.0      7.0
## 1364     9.0      9.0      9.0      9.0      8.0
## 1365     6.0      5.0      4.0      6.0      8.0
## 1366     8.0      8.0      6.0      9.0      8.0
## 1367    10.0      9.0      9.0      6.0      7.0
## 1368     7.0      7.0      6.0      5.0      5.0
## 1369     7.0      7.0      6.0      4.0      7.0
## 1370     4.0      7.0      6.0      8.0      7.0
## 1371     4.0      7.0      6.0      8.0      8.0
## 1372     6.0      6.0      4.0      4.0      8.0
## 1373     7.0      8.0      7.0      6.0      9.0
## 1374     6.0      7.0      5.0      9.0      8.0
## 1375     9.0     10.0      8.0      6.0      9.0
## 1376     4.0      5.0      3.0      5.0      9.0
## 1377     4.0      7.0      5.0      5.0      8.0
## 1378     5.0      8.0      3.0      7.0      9.0
## 1379     5.0      5.0      5.0      8.0     10.0
## 1380     5.0      9.0      5.0      6.0      8.0
## 1381     6.0     10.0      9.0      7.0      8.0
## 1382    10.0      9.0      9.0      9.0      8.0
## 1383     6.0      7.0      4.0      8.0      7.0
## 1384     7.0      7.0      6.0      9.0      7.0
## 1385     4.0      9.0      5.0      9.0      8.0
## 1386     7.0      7.0      7.0      8.0      9.0
## 1387     7.0      7.0      6.0      7.0      7.0
## 1388     3.0      7.0      2.0      7.0      7.0
## 1389     2.0      9.0      2.0      7.0      7.0
## 1390     5.0      5.0      5.0      6.0      8.0
## 1391     6.0      8.0      6.0      6.0      8.0
## 1392     2.0      9.0      2.0      8.0      8.0
## 1393     8.0      8.0      7.0      9.0      8.0
## 1394     7.0      8.0      6.0      8.0      8.0
## 1395     2.0      2.0      5.0      8.0      9.0
## 1396     4.0      8.0      3.0      7.0      7.0
## 1397     5.0      7.0      4.0      9.0      8.0
## 1398     2.0      4.0      1.0      8.0      6.0
```

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## 1399     3.0    10.0     2.0      8.0      8.0
## 1400     6.0     6.0     6.0      8.0      9.0
## 1401     4.0     5.0     4.0      6.0      9.0
## 1402     5.0     7.0     4.0      8.0      7.0
## 1403     8.0     9.0     8.0      9.0      8.0
## 1404     6.0     7.0     6.0      9.0      8.0
## 1405     1.0     7.0     3.0      5.0      7.0
## 1406     7.0     4.0     6.0      4.0      5.0
## 1407     7.0     7.0     8.0      5.0      5.0
## 1408     2.0     2.0     2.0      4.0      4.0
## 1409     8.0     8.0     9.0     10.0      9.0
## 1410     1.0     7.0     1.0     10.0      9.0
## 1411     6.0     8.0     6.0      6.0      5.0
## 1412     6.0     7.0     4.0     10.0      9.0
## 1413     3.0     7.0     3.0      9.0      8.0
## 1414     6.0     5.0     3.0      5.0      6.0
## 1415     5.0     5.0     4.0      6.0      8.0
## 1416     5.0     4.0     2.0      8.0      6.0
## 1417     1.0    10.0     1.0      5.0      5.0
## 1418     6.0     7.0     5.0      3.0      7.0
## 1419     5.0     6.0     5.0      3.0      7.0
## 1420     6.0     5.0     3.0      7.0      7.0
## 1421     7.0     8.0     6.0      7.0      8.0
## 1422     6.0     7.0     6.0      7.0      7.0
## 1423     7.0    10.0     6.0      6.0      8.0
## 1424    10.0     8.0     7.0      6.0      7.0
## 1425     7.0     7.0     6.0      6.0      7.0
## 1426     5.0     5.0     5.0      5.0      7.0
## 1427     8.0     8.0     8.0      7.0      8.0
## 1428     6.0     7.0     6.0      8.0      8.0
## 1429     8.0     9.0     7.0      6.0      7.0
## 1430     8.0     8.0     8.0      8.0      8.0
## 1431     5.0     5.0     5.0      7.0      7.0
## 1432     6.0     6.0     3.0      6.0      7.0
## 1433     5.0     5.0     3.0      6.0      7.0
## 1434     4.0     7.0     1.0      8.0      7.0
## 1435     6.0    10.0     3.0      7.0      6.0
## 1436     7.0     8.0     5.0      8.0      7.0
## 1437     6.0     4.0     4.0      6.0      7.0
## 1438     7.0     7.0     6.0      8.0      8.0
## 1439     5.0     8.0     5.0      6.0      6.0
## 1440     7.0     7.0     7.0      6.0      7.0
## 1441     5.0     7.0     6.0      6.0      8.0
## 1442     5.0     5.0     6.0      6.0      6.0
## 1443     9.0     9.0     5.0      6.0      8.0
## 1444     8.0     6.0     7.0      6.0      8.0
## 1445     6.0     8.0     7.0      6.0      9.0
## 1446     8.0     4.0     7.0      8.0      6.0
## 1447     7.0     8.0     7.0      7.0      8.0
## 1448     6.0     6.0     6.0      7.0      6.0
## 1449     5.0     5.0     2.0      6.0      6.0
## 1450     7.0     9.0     5.0      6.0      8.0
## 1451     8.0     5.0     7.0      7.0      7.0
## 1452     5.0     5.0     2.0      7.0      6.0
```

```
## 1453     5.0      8.0              3.0              6.0            6.0
## 1454     8.0      8.0              7.0              7.0            7.0
## 1455    10.0     10.0              7.0             10.0           10.0
## 1456     7.0      7.0              6.0              8.0            7.0
## 1457     7.0      8.0              7.0              9.0            8.0
## 1458     8.0      8.0              8.0              7.0            8.0
## 1459     8.0      7.0              6.0              7.0            7.0
## 1460    10.0      9.0              8.0              8.0            7.0
## 1461     7.0      9.0              7.0              5.0            8.0
## 1462     6.0      6.0              6.0              5.0            9.0
## 1463     9.0      8.0              8.0              6.0            9.0
## 1464     8.0      2.0              7.0              8.0            7.0
## 1465    10.0      9.0              8.0              8.0            7.0
## 1466     8.0      8.0              8.0              8.0            9.0
## 1467     8.0      7.0              5.0              7.0            9.0
## 1468     6.0      6.0              2.0              7.0            7.0
## 1469     8.0      8.0              6.0              8.0            8.0
## 1470     7.0      9.0              4.0              8.0            7.0
## 1471    10.0     10.0              8.0              7.0            8.0
## 1472     7.0      7.0              5.0              7.0            8.0
## 1473     7.0      7.0              6.0              6.0            7.0
## 1474    10.0     10.0             10.0              8.0            8.0
## 1475     9.0      8.0              8.0              8.0            7.0
## 1476     7.0      7.0              6.0              8.0            7.0
## 1477     6.0      6.0              6.0              8.0            3.0
## 1478     5.0      6.0              4.0              7.0            5.0
## 1479     7.0      7.0              6.0             10.0           10.0
## 1480     5.0      5.0              5.0              8.0           10.0
## 1481     8.0      8.0              6.0              8.0           10.0
## 1482     9.0      8.0              3.0              9.0            5.0
## 1483     8.0      9.0              7.0              6.0           10.0
## 1484     8.0      8.0              8.0             10.0           10.0
## 1485     6.0      5.0              5.0             10.0           10.0
## 1486     6.0      8.0              2.0              6.0           10.0
## 1487     7.0      7.0              6.0              8.0            6.0
## 1488     4.0      7.0              3.0              7.0            3.0
## 1489     2.0      2.0              3.0              8.0           10.0
## 1490     9.0     10.0              5.0              8.0            8.0
## 1491     8.0      7.0              5.0              6.0           10.0
## 1492     7.0      7.0              6.0             10.0           10.0
## 1493     8.0      8.0              7.0              6.0           10.0
## 1494     7.0      7.0              7.0              9.0           10.0
## 1495    10.0      7.0              8.0              9.0            9.0
## 1496    10.0      9.0             10.0              6.0            8.0
## 1497     9.0      9.0              9.0              6.5            7.0
## 1498     7.0      5.0              6.0              6.0            8.0
## 1499     8.0      9.0              8.0              6.0            8.0
## 1500     8.0      6.0              4.0             10.0            9.0
## 1501    10.0      8.0              9.0              8.0            8.0
## 1502     7.0      5.0              8.0              9.0           10.0
## 1503     5.0      7.0              6.0              7.0            7.0
## 1504     5.0      6.0              5.0              8.0            8.0
## 1505     6.0      6.0              8.0              8.0            8.0
## 1506     9.0      8.0              8.0              9.0            9.0
```

```
## 1507   10.0   10.0    6.0    9.0    9.0
## 1508   10.0    7.0    6.0    8.0    7.0
## 1509    7.0    8.0    6.0    7.0    8.0
## 1510    8.0    7.0    6.0    8.0    9.0
## 1511   10.0    9.0    9.0    9.0    9.0
## 1512    7.0    7.0    6.0    7.5    8.5
## 1513    5.0    8.0    8.0    7.0    7.0
## 1514    9.0    6.0    5.0    9.0    6.0
## 1515    2.0    2.0    2.0    7.0    7.0
## 1516    6.0    6.0    6.0    7.0    8.0
## 1517    8.0    8.0    8.0    6.0    8.0
## 1518    8.0    7.0    7.0    8.0    7.0
## 1519   10.0    8.0   10.0    6.0    7.0
## 1520    6.0    7.0    5.0    6.0    7.0
## 1521    7.0    7.0    6.0    7.0    8.0
## 1522    4.0    6.0    1.0    7.0    7.0
## 1523    7.0   10.0    5.0    8.0    6.0
## 1524    6.0    7.0    5.0    7.0    7.0
## 1525    5.0   10.0    8.0    8.0    9.0
## 1526   10.0    8.0    7.0    6.0    5.0
## 1527    6.0    4.0    5.0    6.0    8.0
## 1528    7.0    6.0    7.0    8.0    7.0
## 1529    9.0    8.0    9.0    8.0    7.0
## 1530    7.0    7.0    6.0    8.0    8.0
## 1531   10.0    7.0    6.0    8.0   10.0
## 1532    6.0    7.0    7.0    7.0   10.0
## 1533    6.0   10.0    6.0    7.0   10.0
## 1534    5.0    5.0    5.0    7.0   10.0
## 1535    8.0    8.0    8.0    7.0   10.0
## 1536    8.0    8.0    7.0    8.0   10.0
## 1537    8.0    8.0    8.0    7.0   10.0
## 1538    9.0    6.0    8.0    7.0   10.0
## 1539    6.0    5.0    5.0    7.0   10.0
## 1540    5.0    6.0    2.0    7.0   10.0
## 1541    7.0    5.0    7.0    7.0   10.0
## 1542    8.0    8.0    4.0    7.0   10.0
## 1543   10.0   10.0   10.0    7.0   10.0
## 1544    8.0    8.0    6.0    8.0   10.0
## 1545    5.0    6.0    7.0    7.0   10.0
## 1546    8.0    8.0    6.0   10.0   10.0
## 1547    7.0    9.0    7.0    9.0   10.0
## 1548    6.0    7.0    6.0    7.0   10.0
## 1549    7.0    6.0    6.0    6.0    6.0
## 1550    9.0    9.0    8.0    6.0    7.0
## 1551    2.0    7.0    8.0    5.0    5.0
## 1552    4.0    4.0    4.0    5.0    8.0
## 1553    8.0    8.0    8.0    6.0    8.0
## 1554    6.0    7.0    6.0    5.0    5.0
## 1555    9.0    8.0    6.0    6.0    8.0
## 1556    4.0    8.0    6.0    7.0    8.0
## 1557    4.0    9.0    4.0    8.0    6.0
## 1558    7.0    5.0    3.0    6.0    8.0
## 1559    7.0    7.0    8.0    7.0    8.0
## 1560    7.0    5.0    2.0    7.0    8.0
```

```
## 1561    10.0    10.0     8.0      6.0      8.0
## 1562    10.0     7.0     6.0      5.0      7.0
## 1563     7.0     8.0     7.0      5.0      6.0
## 1564     8.0     8.0     6.0      8.0      8.0
## 1565     8.0     8.0     5.0      9.0      7.0
## 1566     6.0     6.0     6.0      5.0      7.0
## 1567     7.0     7.0     6.0      3.0      4.0
## 1568     4.0     5.0     2.0      6.0      7.0
## 1569     7.0     9.0     6.0      4.0      4.0
## 1570     6.0     6.0     6.0      3.0      6.0
## 1571     8.0     9.0     8.0      5.0      5.0
## 1572     6.0     7.0     5.0      4.0      4.0
## 1573     8.0     8.0     7.0      5.0      6.0
## 1574     8.0     7.0     8.0      3.0      7.0
## 1575     4.0     5.0     4.0      2.0      6.0
## 1576     2.0     6.0     1.0      3.0      8.0
## 1577     5.0     5.0     6.0      5.0      6.0
## 1578     7.0     7.0     3.0      7.0      6.0
## 1579    10.0    10.0     7.0      6.0      6.0
## 1580     9.0     9.0     6.0      7.0      7.0
## 1581     6.0     6.0     8.0      3.0      8.0
## 1582     7.0     7.0     6.0      8.0      7.0
## 1583     7.0     8.0     5.0      7.0      6.0
## 1584     7.0     7.0     7.0      5.0      7.0
## 1585     9.0     9.0     9.0      7.0      7.0
## 1586     6.0     4.0     5.0      4.0      8.0
## 1587     4.0     4.0     5.0      5.0      1.0
## 1588     9.0     8.0     7.0      7.0      7.0
## 1589     6.0     6.0     6.0      5.0      7.0
## 1590    10.0     8.0    10.0     10.0      6.0
## 1591     9.0     9.0     7.0      9.0     10.0
## 1592     5.0     5.0     5.0      2.0      7.0
## 1593    10.0    10.0    10.0      8.0     10.0
## 1594     4.0     4.0     5.0      5.0      9.0
## 1595     5.0     5.0     8.0      5.0      9.0
## 1596     7.0     7.0     6.0     10.0      9.0
## 1597     9.0     8.0     6.0      6.0      9.0
## 1598     5.0     5.0     5.0      9.0      9.0
## 1599     8.0     8.0     8.0      6.0     10.0
## 1600     5.0     5.0     5.0      4.0      9.0
## 1601     7.0     7.0     7.0      7.0      6.0
## 1602     5.0     4.0     5.0      8.0      7.0
## 1603     7.0     7.0     7.0      4.0      3.0
## 1604     6.0     7.0     5.0      7.0      5.0
## 1605     6.0     7.0     7.0      5.0      6.0
## 1606     2.0     5.0     2.0      2.0      3.0
## 1607     8.0     8.0     7.0      8.0      6.0
## 1608     5.0     5.0     5.0      5.0      6.0
## 1609    10.0    10.0    10.0     10.0     10.0
## 1610     4.0     5.0     4.0      6.0     10.0
## 1611     4.0     4.0     6.0      2.0     10.0
## 1612    10.0     9.0    10.0     10.0     10.0
## 1613     6.0     6.0     5.0      6.0     10.0
## 1614    10.0     7.0     8.0      8.0      5.0
```

```
## 1615   10.0     8.0         7.0         9.0        10.0
## 1617   10.0    10.0        10.0        10.0        10.0
## 1618    4.0     4.0         6.0         7.0        10.0
## 1619    2.0     5.0         4.0         4.0         4.0
## 1620   10.0    10.0        10.0        10.0         8.0
## 1621    9.0     7.0         7.0         6.0         9.0
## 1622    7.0     5.0         5.0         8.0         6.0
## 1623    7.0     8.0         6.0         7.0         8.0
## 1624    5.0     5.0         5.0         4.0         8.0
## 1625   10.0    10.0        10.0        10.0        10.0
## 1626    6.0     5.0         6.0         7.0        10.0
## 1627    5.0     5.0         5.0         4.0         8.0
## 1628   10.0    10.0        10.0        10.0        10.0
## 1629    7.0     7.0         8.0         6.0        10.0
## 1630    8.0    10.0         6.0         8.0         6.0
## 1631    9.0     7.0         7.0         7.0         8.0
## 1633    7.0     8.0         7.0         3.0         8.0
## 1634    6.0     7.0         7.0         6.0         6.0
## 1635    5.0     3.0         2.0         4.0         9.0
## 1636    6.0     6.0         7.0         6.0         8.0
## 1637    9.0     7.0         7.0         5.0         4.0
## 1638    6.0     7.0         3.0         8.0        10.0
## 1639    7.0     8.0         8.0         5.0         7.0
## 1640    6.0     6.0         6.0         2.0         7.0
## 1641    7.0     7.0         7.0         7.0         8.0
## 1642    5.0     7.0         4.0         5.0         8.0
## 1643    6.0     8.0         7.0         2.0         1.0
## 1644    8.0     7.0         7.0         6.0         8.0
## 1645    7.0     6.0         8.0         8.0        10.0
## 1646    8.0     5.0         6.0         9.0         4.0
## 1647   10.0     8.0         7.0         8.0         7.0
## 1648    6.0     6.0         2.0         7.0         8.0
## 1649    7.0     6.0         6.0         8.0        10.0
## 1650    4.0     5.0         4.0         9.0        10.0
## 1651    6.0     7.0         7.0         4.0         6.0
## 1652    5.0     4.0         2.0         6.0        10.0
## 1653    6.0     6.0         5.0         8.0         7.0
## 1654    0.0     5.0         0.0         4.0         4.0
## 1655    7.0     8.0         7.0         9.0        10.0
## 1656    6.0     7.0         2.0         7.0        10.0
## 1657    9.0     7.0         8.0         9.0         9.0
## 1658   10.0     5.0         5.0        10.0        10.0
## 1659    7.0     4.0         4.0         6.0        10.0
## 1660   10.0    10.0        10.0        10.0        10.0
## 1661   10.0    10.0        10.0        10.0        10.0
## 1662   10.0    10.0        10.0        10.0        10.0
## 1663    5.0     5.0         6.0         9.0         9.0
## 1664    8.0     8.0         5.0         6.0         7.0
## 1665    7.0     7.0         8.0         6.0         9.0
## 1666    4.0     9.0         3.0         9.0         7.0
## 1667    5.0     5.0         2.0         6.0         5.0
## 1668    6.0     5.0         4.0         4.0         6.0
## 1669    7.0     6.0         5.0         4.0         5.0
## 1670    8.0     8.0         6.0         6.0         5.0
```

```
## 1671     7.0        8.0            4.0            6.0            6.0
## 1672     8.0        9.0            4.0            6.0            4.0
## 1673     2.0        2.0            2.0            9.0            6.0
## 1674     5.0       10.0            9.0            5.0            4.0
## 1675     2.0        8.0            1.0            6.0            7.0
## 1676     1.0       10.0            1.0            7.0            6.0
## 1677     2.0        9.0            3.0            5.0            6.0
## 1678     2.0       10.0            2.0            6.0            2.0
## 1679     2.0       10.0            0.0            5.0            4.0
## 1680     5.0        9.0            3.0            8.0            7.0
## 1681     7.0        8.0            6.0            9.0            8.0
## 1682     1.0        6.0            0.0            7.0            5.0
## 1683     6.0        6.0            1.0            2.0            7.0
## 1684     8.0        7.0            8.0            9.0            8.0
## 1685    10.0       10.0            7.0            8.0            8.0
## 1686     6.0        5.0            3.0            5.0            8.0
## 1687    10.0       10.0           10.0           10.0           10.0
## 1688     9.0        8.0            8.0           10.0           10.0
## 1689    10.0       10.0           10.0           10.0            5.0
## 1690     9.0        8.0            6.0            8.0            8.0
## 1691     6.0        8.0            5.0            9.0            8.0
## 1692     8.0        8.0            4.0            4.0            6.0
## 1693     6.0        8.0            7.0            7.0            8.0
## 1694     7.0        7.0            6.0            6.0            8.0
## 1695     5.0        5.0            7.0            6.0            7.0
## 1696     8.0       10.0            6.0            5.0            7.0
## 1697     7.0        9.0            4.0            7.0            6.0
## 1698     7.0        8.0            6.0            7.0            7.0
## 1699     7.0        6.0            6.0            6.0            9.0
## 1700     7.0        8.0            6.0            7.0            7.0
## 1701     7.0       10.0            9.0            4.0            8.0
## 1702     8.0        8.0            8.0           10.0            7.0
## 1703    10.0        7.0            8.0            5.0            5.0
## 1704     2.0        6.0            2.0            5.0            7.0
## 1705     9.0       10.0            8.0            7.0            3.0
## 1706     7.0        5.0            6.0            7.0            7.0
## 1707     6.0        8.0            5.0            7.0            7.0
## 1708    10.0        8.0            7.0            9.0            8.0
## 1709     2.0        2.0            1.0            8.0            5.0
## 1710     1.0        1.0            1.0            5.0            8.0
## 1711     8.0        7.0            9.0           10.0            9.0
## 1712     8.0        7.0            4.0            7.0            9.0
## 1713     8.0        7.0            5.0            7.0            9.0
## 1714     8.0        8.0            7.0            9.0            7.0
## 1715     6.0        6.0            3.0            7.0            7.0
## 1716     6.0        6.0            6.0            8.0            8.0
## 1717     7.0        7.0            6.0            9.0            8.0
## 1718     6.0        5.0            2.0            8.0            8.0
## 1719     5.0        7.0            4.0            6.0            9.0
## 1720     2.0        5.0            1.0            5.0            5.0
## 1721     3.0        6.0            2.0            5.0            5.0
## 1722     5.0        3.0            3.0            5.0            5.0
## 1724     3.0        7.0            0.0            5.0            5.0
## 1726     2.0        7.0            1.0            6.0            6.0
```

```
## 1727    5.0      7.0          2.0          6.0          6.0
## 1728    8.0     10.0          1.0          7.0          5.0
## 1729    8.0      9.0          7.0          7.0          9.0
## 1730    6.0      6.0          4.0          8.0          8.0
## 1731    8.0      7.0          6.0          5.0          7.0
## 1732    7.0      7.0          7.0          8.0          9.0
## 1733    7.0      7.0          8.0          5.0          8.0
## 1734    6.0      7.0          5.0          7.0          7.0
## 1735    9.0      8.0          1.0          7.0          6.0
## 1736    6.0      8.0          6.0          6.0          5.0
## 1737    6.0      8.0          6.0          8.0          7.0
## 1738    9.0      6.0          5.0          5.0          6.0
## 1739    8.0      8.0          7.0          8.0          9.0
## 1740    2.0      7.0          1.0          7.0          8.0
## 1741    7.0      6.0          6.0          7.0          7.0
## 1742    7.0      7.0          6.0          8.0          9.0
## 1743    7.0      6.0          5.0          6.0          5.0
## 1744    7.0      7.0          6.0          8.0          5.0
## 1745    1.0      7.0          1.0          8.0          8.0
## 1746    6.0      5.0          6.0          7.0          8.0
## 1747    7.0      7.0          7.0          8.0          8.0
## 1748    8.0      6.0          5.0          7.0          7.0
## 1749    9.0      6.0          9.0          8.0          8.0
## 1750    8.0      6.0          8.0          6.0         10.0
## 1751    9.0     10.0          8.0          9.0          9.0
## 1752    7.0      7.0          5.0          7.0          8.0
## 1753    8.0      8.0          8.0          8.0          7.0
## 1754    7.0      8.0          6.0          3.0          8.0
## 1755    8.0      7.0          8.0          3.0          8.0
## 1756    7.0      7.0          2.0          4.0          6.0
## 1757    5.0      9.0          5.0          8.0          7.0
## 1758    6.0      6.0          7.0          6.0          8.0
## 1759    5.0      8.0          5.0          7.0          9.0
## 1760    8.0      4.0          6.0          6.0          7.0
## 1761    9.0      9.0          8.0          7.0          7.0
## 1762    8.0      8.0          7.0          5.0          9.0
## 1763    9.0     10.0          7.0          6.5          8.0
## 1764    8.0      7.0          6.0          6.5          8.0
## 1765    8.0      7.0          7.0          8.0          7.0
## 1766    7.0      5.0          6.0          6.0         10.0
## 1767    5.0      6.0          4.0          7.0          8.0
## 1768    8.0      8.0          6.0          8.0          9.0
## 1769    7.0      7.0          5.0          4.0          5.0
## 1770    6.0      7.0          4.0          5.0         10.0
## 1771    7.0      9.0          6.0          8.0          8.0
## 1772    7.0      6.0          4.0         10.0         10.0
## 1773    6.0      6.0          5.0          8.0         10.0
## 1774    5.0      6.0          5.0          6.0          8.0
## 1775    7.0      7.0          6.0          8.0          9.0
## 1776    7.0      8.0          6.0          6.0          8.0
## 1777    4.0      7.0          6.0          8.0          6.0
## 1778    6.0      4.0          4.0          8.0          8.0
## 1779    7.0      7.0          8.0          6.0          9.0
## 1780    8.0      7.0          8.0         10.0         10.0
```

```
## 1781     7.0        5.0           7.0              4.0           7.0
## 1782     9.0        8.0           7.0              4.0          10.0
## 1783     7.0        7.0           6.0              8.0           7.0
## 1784     7.0        5.0           5.0              6.0           4.0
## 1785     6.0        8.0           7.0              5.0           6.0
## 1786     5.0        4.0           4.0              4.0           6.0
## 1787     5.0        8.0           3.0              5.0           5.0
## 1788     5.0       10.0           6.0              5.0           6.0
## 1789     2.0        7.0           2.0              6.0           7.0
## 1790     6.0        6.0           4.0              9.0           8.0
## 1791     5.0        7.0           6.0              8.0           7.0
## 1792     6.0        8.0           4.0             10.0           9.0
## 1793     5.0        7.0           6.0              9.0           8.0
## 1794     4.0        5.0           2.0              5.0           6.0
## 1795     6.0        6.0           6.0              7.0           8.0
## 1796     8.0        8.0           8.0              8.0           9.0
## 1797     5.0        7.0           3.0              5.0           5.0
## 1798     6.0        7.0           9.0              8.0           9.0
## 1799     2.0        8.0           1.0              8.0           8.0
## 1800     4.0        5.0           5.0              7.0           5.0
## 1801     7.0        7.0           8.0              4.0           6.0
## 1802     8.0        7.0           9.0              4.0           7.0
## 1803     9.0        9.0           7.0              7.0           8.0
## 1804     9.0        3.0           1.0              8.0           8.0
## 1805     7.0        7.0           5.0              7.0           7.0
## 1806     6.0        6.0           5.0              6.0           7.0
## 1807     7.0        6.0           5.0              8.0           8.0
## 1808     8.0        7.0           6.0              7.0           6.0
## 1809     9.0        7.0           6.0              7.0           8.0
## 1810     4.0        5.0           6.0              6.0           7.0
## 1811     8.0        8.0           8.0              5.0           5.0
## 1812     9.0        7.0           9.0              7.0           7.0
## 1813     7.0        7.0           6.0              5.0           7.0
## 1814     9.0        8.0          10.0              5.0           7.0
## 1815     5.0        6.0           4.0              5.0           8.0
## 1816     6.0        6.0           5.0              6.0           7.0
## 1817     7.0        7.0           8.0              7.0          10.0
## 1818     7.0        7.0           9.0              7.0          10.0
## 1819     4.0       10.0           3.0              8.0          10.0
## 1820     7.0        5.0           3.0             10.0           9.0
## 1821     7.0        6.0           5.0              9.0           9.0
## 1822     8.0        5.0           3.0              9.0           9.0
## 1823     8.0        7.0           7.0              9.0          10.0
## 1824     6.0        8.0           5.0              8.0           8.0
## 1825     6.0        7.0           6.0              7.0           7.0
## 1826     4.0        5.0           5.0             10.0           9.0
## 1827     7.0        7.0           7.0              6.0           9.0
## 1828     8.0        9.0           8.0              9.0           7.0
## 1829     6.0        6.0           8.0              8.0          10.0
## 1830     5.0        8.0           3.0              9.0           9.0
## 1831     2.0        4.0           2.0              9.0           9.0
## 1832     5.0        5.0           5.0              8.0          10.0
## 1833     7.0        7.0           8.0              4.0           6.0
## 1834     5.0        6.0           6.0              5.0           7.0
```

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## 1835     6.0      7.0          6.0          8.0         10.0
## 1836     4.0      5.0          5.0          6.0          8.0
## 1837     3.0      6.0          3.0          5.0          5.0
## 1838     6.0      7.0          7.0          6.0          8.0
## 1839     8.0      8.0          8.0         10.0          9.0
## 1840     7.0      7.0          7.0          8.0          8.0
## 1841     7.0      7.0          6.0          5.0          8.0
## 1842     2.0      5.0          3.0          5.0          7.0
## 1843     6.0      6.0          3.0          6.0          8.0
## 1844     7.0      8.0          7.0          8.0          8.0
## 1845     6.0      6.0          5.0          6.0          8.0
## 1846     6.0      7.0          7.0          8.0          8.0
## 1847     1.0      3.0          1.0          8.0          8.0
## 1848     5.0      5.0          4.0          6.0          8.0
## 1849     9.0      8.0          6.0          5.0          5.0
## 1850     6.0      6.0          3.0          5.0          6.0
## 1851     8.0      8.0          7.0          8.0          6.0
## 1852    10.0      6.0          6.0          7.0          6.0
## 1853     8.0      7.0          5.0          5.0          6.0
## 1854     8.0      7.0          8.0          7.0          8.0
## 1855     8.0      6.0          5.0          6.0          8.0
## 1856    10.0      8.0          5.0          7.0          7.0
## 1857     9.0      7.0          6.0          8.0          8.0
## 1858     8.0      2.0          4.0          6.0          6.0
## 1859     7.0      5.0          7.0          4.0          8.0
## 1860     9.0      8.0          6.0          8.0          7.0
## 1861     6.0      6.0          7.0          4.0          7.0
## 1862     9.0      7.0          4.0          4.0          7.0
## 1863     7.0      8.0          6.0          8.0         10.0
## 1864     6.0      6.0          4.0          6.0          8.0
## 1865     7.0      7.0          7.0          4.0          8.0
## 1866     5.0      5.0          6.0          3.0          8.0
## 1867     8.0      8.0          7.0          7.0          5.0
## 1868     5.0      7.0          5.0          5.0          8.0
## 1869     7.0      6.0          7.0          6.0          8.0
## 1870     7.0      6.0          5.0          7.0          9.0
## 1871     7.0      7.0          6.0          4.0          6.0
## 1872     6.0      9.0          5.0          6.0          7.0
## 1873     8.0      8.0          6.0          7.0          8.0
## 1874     5.0      4.0          3.0          3.0          8.0
## 1875     6.0      6.0          5.0          2.0          8.0
## 1876     7.0      9.0          6.0          8.0          8.0
## 1877     5.0      8.0          5.0          3.0          8.0
## 1878     6.0      8.0          6.0          4.0          8.0
## 1879     9.0      8.0          4.0          7.0          8.0
## 1880     7.0      6.0          5.0          7.0          9.0
## 1881     8.0      7.0          6.0          6.0          7.0
## 1882     7.0      7.0          6.0          4.0          7.0
## 1883     6.0      8.0          6.0          9.0          7.0
## 1884     5.0      8.0          7.0          8.0          6.0
## 1885     7.0      7.0          5.0          4.0          8.0
## 1886     7.0      7.0          6.0          5.0          6.0
## 1887     6.0      7.0          6.0          3.0          7.0
## 1888     7.0      6.0          5.0          8.0          7.0
```

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## 1889    7.0    7.0         6.0         8.0         5.0
## 1890    5.0    4.0         4.0         4.0         6.0
## 1891    6.0    6.0         6.0         4.0         7.0
## 1892    8.0    8.0         8.0         8.0         7.0
## 1893    6.0    6.0         6.0         4.0         8.0
## 1894    6.0    9.0        10.0         6.0         8.0
## 1895    5.0    6.0         7.0         7.0         7.0
## 1896    8.0    7.0         8.0         5.0         8.0
## 1897    7.0    7.0         7.0         5.0         5.0
## 1898    8.0    8.0         5.0         5.0         8.0
## 1899    8.0    8.0         3.0         9.0         7.0
## 1900    8.0    6.0         5.0         8.0         5.0
## 1901    5.0    6.0         3.0         6.0         6.0
## 1902    8.0    8.0         5.0         7.0         7.0
## 1903    9.0    7.0         9.0         8.0         7.0
## 1904    8.0    8.0         7.0         9.0         8.0
## 1905    8.0    9.0         6.0         6.0         5.0
## 1906    7.0    5.0         4.0         7.0         7.0
## 1907    7.0    7.0         7.0         7.0         8.0
## 1908    7.0    9.0         8.0         9.0         9.0
## 1909    7.0    6.0         7.0         5.0         6.0
## 1910    7.0    8.0         5.0         6.0         7.0
## 1911    4.0    6.0         3.0         6.0         7.0
## 1912    7.0    7.0         5.0         6.0         8.0
## 1913    9.0    7.0         6.0         4.0         5.0
## 1914    7.0    7.0         6.0         3.0         7.0
## 1915    8.0    7.0         8.0         8.0         6.0
## 1916    9.0    8.0         5.0         9.0         7.0
## 1917    7.0    6.0         9.0         9.0         8.0
## 1918    7.0    6.0         5.0         7.0         5.0
## 1919    9.0    7.0         6.0         6.0         8.0
## 1920   10.0    7.0         3.0         8.0         5.0
## 1921    8.0    7.0         6.0         6.0         4.0
## 1922    4.0    3.0         4.0         6.0         3.0
## 1923    7.0    8.0         7.0         6.0         3.0
## 1924    9.0    8.0         7.0         7.0         8.0
## 1925    8.0    7.0         5.0         3.0         8.0
## 1926    8.0    7.0         6.0         5.0         7.0
## 1927    6.0    8.0         6.0         7.0         8.0
## 1928    8.0    7.0         7.0         8.0         7.0
## 1929    7.0    7.0         6.0         6.0         7.0
## 1930    5.0    7.0         3.0         4.0         6.0
## 1931    6.0    9.0         3.0         6.0         8.0
## 1932    6.0    5.0         2.0         8.0         8.0
## 1933    5.0    6.0         4.0         5.0         6.0
## 1934    6.0    7.0         5.0         7.0         8.0
## 1935    7.0    7.0         6.0         6.0         8.0
## 1936    5.0    9.0         5.0         8.0         8.0
## 1937    5.0    7.0         6.0         5.0         5.0
## 1938    6.0    5.0         3.0         7.0         9.0
## 1939    7.0    7.0         6.0         4.0         7.0
## 1940    7.0    8.0         6.0         8.0         9.0
## 1941    5.0    6.0         5.0         4.0         6.0
## 1942    5.0    7.0         4.0         6.0         7.0
```

```
## 1943     4.0          6.0               3.0               6.0          8.0
## 1944     5.0          5.0               5.0               5.0          8.0
## 1945     6.0          7.0               6.0               6.0          6.0
## 1946     6.0          6.0               5.0               5.0          5.0
## 1947     6.0          7.0               2.0               5.0          6.0
## 1948     6.0          5.0               3.0               7.0          7.0
## 1949     3.0          7.0               3.0               5.0          5.0
## 1950     8.0          8.0               6.0               8.0          8.0
## 1951     6.0          7.0               6.0               6.0          6.0
## 1952     6.0          7.0               5.0               5.0          5.0
## 1953     4.0          7.0               6.0               4.0          4.0
## 1954     5.0          6.0               4.0               5.0          6.0
## 1955     6.0          6.0               5.0               5.0          6.0
## 1956     7.0          8.0               6.0               7.0          7.0
## 1957     6.0          5.0               7.0               5.0          5.0
## 1958     6.0          7.0               4.0               6.0          6.0
## 1959     2.0          7.0               1.0               6.0          5.0
## 1960     5.0          5.0               5.0               5.0          5.0
## 1961     8.0          7.0               6.0               5.0          8.0
## 1962     7.0          8.0               6.0               6.0          8.0
## 1963     7.0          8.0               7.0               9.0          9.0
## 1964     9.0          7.0               6.0              10.0          8.0
## 1965     6.0          7.0               3.0               5.0          8.0
## 1966     8.0          7.0               5.0               9.0          9.0
## 1967     7.0          7.0               6.0               7.0          9.0
## 1968     8.0         10.0               3.0               7.0          9.0
## 1969     7.0          7.0               6.0               9.0          9.0
## 1970     6.0          6.0               6.0               8.0          8.0
## 1971     8.0          8.0               8.0               5.0          9.0
## 1972     9.0          9.0              10.0               9.0          9.0
## 1973     5.0          7.0               7.0               6.0         10.0
## 1974     8.0         10.0               5.0               8.0          9.0
## 1975     5.0          6.0               6.0               9.0         10.0
## 1976     7.0          6.0               6.0               9.0          9.0
## 1977     8.0          7.0               7.0               2.0          6.0
## 1978     7.0          5.0               6.0               1.0          4.0
## 1979     8.0          7.0               6.0               7.0          7.0
## 1980    10.0          7.0               6.0               8.0          7.0
## 1981     4.0          7.0               3.0               2.0          4.0
## 1982     6.0          6.0               7.0               6.0          7.0
## 1983     7.0          7.0               5.0               6.0          8.0
## 1984     6.0          5.0               5.0               7.0          6.0
## 1985     7.0          7.0               6.0               8.0          7.0
## 1986     4.0          4.0               3.0               5.0          5.0
## 1987     7.0          7.0               7.0               3.0          6.0
## 1988     8.0          8.0               8.0               8.0          8.0
## 1989     6.0          6.0               6.0               2.0          8.0
## 1990     8.0          9.0               6.0               4.0          7.0
## 1991     4.0          5.0               5.0               5.0          8.0
## 1992     8.0          7.0               5.0               3.0          8.0
## 1993     8.0          7.0               6.0               4.0          7.0
## 1994     5.0          5.0               6.0               3.0         10.0
## 1995     9.0          9.0              10.0               7.0         10.0
## 1996     8.0          8.0               4.0               8.0          9.0
```

```
## 1997     5.0        9.0              6.0              7.0          6.0
## 1998     8.0        8.0              8.0              6.0          9.0
## 1999     7.0        9.0              5.0              7.0          9.0
## 2000     7.0        8.0              6.0              8.0          5.0
## 2001     7.0        7.0              6.0              7.0          6.0
## 2002     5.0        6.0              4.0              6.0          9.0
## 2003     7.0        7.0              6.0              6.0          9.0
## 2004     8.0       10.0              8.0              7.0          9.0
## 2005     7.0        8.0              8.0              4.0          8.0
## 2006     9.0       10.0              4.0              5.0          8.0
## 2007     7.0        8.0              7.0              5.0          9.0
## 2008     7.0        7.0              6.0              6.0          9.0
## 2009     7.0        6.0              5.0              2.0          3.0
## 2010     6.0        7.0              6.0              2.0          6.0
## 2011     9.0        9.0              8.0              7.0          6.0
## 2012     9.0        7.0              6.0              7.0          7.0
## 2013     6.0        7.0              3.0              3.0          5.0
## 2014     6.0        7.0              4.0              5.0          7.0
## 2015     9.0        7.0              6.0              5.0          6.0
## 2016     6.0        8.0              5.0              6.0          7.0
## 2017     8.0        7.0              6.0              6.0          7.0
## 2018     6.0        5.0              4.0              4.0          5.0
## 2019     8.0        8.0              8.0              2.0          8.0
## 2020     9.0        9.0              8.0              8.0          7.0
## 2021     5.0        7.0              6.0              3.0          6.0
## 2022     9.0       10.0              5.0              5.0          7.0
## 2023     8.0        9.0              6.0              7.0          7.0
## 2024     8.0        8.0              7.0              5.0          6.0
## 2025     4.0        6.0              4.0             10.0          8.0
## 2026     6.0        7.0              6.0              6.0          8.0
## 2027     4.0        7.0              4.0              9.0          9.0
## 2028     7.0        9.0              8.0              9.0          8.0
## 2029     7.0        7.0              6.0              8.0          9.0
## 2030     5.0        5.0              5.0              9.0          7.0
## 2031     2.0        6.0              1.0              9.0          8.0
## 2032     4.0        7.0              6.0              9.0          9.0
## 2033     6.0        9.0              6.0             10.0          8.0
## 2034     1.0        3.0              1.0             10.0          8.0
## 2035     6.0        8.0              6.0              9.0          9.0
## 2036     6.0        7.0              6.0              7.0          9.0
## 2037     5.0        8.0              7.0              9.0          9.0
## 2038     2.0        7.0              2.0             10.0          9.0
## 2039     3.0       10.0              3.0              9.0          8.0
## 2040     2.0        3.0              1.0              9.0          8.0
## 2041     8.0        7.0              5.0              7.0          7.0
## 2042     5.0        7.0              5.0              5.0          7.0
## 2043     5.0        7.0              4.0              8.0          8.0
## 2044    10.0       10.0              8.0              8.0          8.0
## 2045     8.0        7.0              6.0              6.0          8.0
## 2046     5.0        5.0              4.0              6.0          6.0
## 2047     2.0        7.0              1.0              7.0          6.0
## 2048     4.0        6.0              7.0              8.0          9.0
## 2049     8.0        8.0              6.0              8.0          9.0
## 2050     4.0        6.0              5.0              8.0          8.0
```

```
## 2051     4.0        7.0              6.0              7.0              7.0
## 2052     8.0        7.0              5.0              7.0              7.0
## 2053     8.0        9.0              5.0              7.0              8.0
## 2054     3.0        6.0              2.0              7.0              9.0
## 2055     6.0       10.0              3.0              6.0              7.0
## 2056     6.0        5.0              4.0              6.0             10.0
## 2057     8.0       10.0              6.0              6.0              9.0
## 2058     8.0        7.0              4.0              4.0              9.0
## 2059     8.0        8.0              7.0              6.0              8.0
## 2060    10.0        7.0              5.0              4.0              8.0
## 2061     8.0        8.0              6.0              5.0              8.0
## 2062     8.0        9.0              7.0              8.0             10.0
## 2063     8.0        8.0              6.0              7.0              8.0
## 2064     8.0        8.0              6.0              6.0              9.0
## 2065     7.0        7.0              2.0              7.0             10.0
## 2066     7.0        7.0              6.0              8.0              8.0
## 2067     7.0        7.0              4.0              7.0              9.0
## 2068     6.0        6.0              6.0              7.0              9.0
## 2069     9.0        9.0              9.0              8.0              8.0
## 2070     7.0        6.0              6.0              7.0              8.0
## 2071     9.0       10.0             10.0              8.0             10.0
## 2072    10.0        9.0              8.0             10.0              8.0
## 2073     8.0        8.0              7.0              8.0              7.0
## 2074     9.0        8.0              6.0              5.0             10.0
## 2075    10.0        7.0              9.0              6.0              8.0
## 2076     9.0        8.0              7.0              6.0              8.0
## 2077     7.0        7.0              6.0              5.0              6.0
## 2078     6.0        6.0              5.0              7.0              8.0
## 2079     5.0        5.0              1.0              6.0              6.0
## 2080     8.0        6.0              8.0              7.0              6.0
## 2081     8.0        8.0              7.0              8.0              8.0
## 2082     8.0        7.0              7.0             10.0              8.0
## 2083     8.0        9.0              9.0              7.0             10.0
## 2084     7.0        7.0              6.0              7.0              9.0
## 2085     9.0        8.0              6.0              9.0              9.0
## 2086     8.0        7.0              5.0              7.0              8.0
## 2087     7.0        9.0              5.0              7.0              9.0
## 2088     7.0        6.0              7.0              8.0              8.0
## 2089     8.0        8.0              5.0              6.0              7.0
## 2090     8.0        9.0              6.0              3.0              6.0
## 2091     8.0        7.0              7.0              8.0              7.0
## 2092     8.0        9.0              8.0              5.0              6.0
## 2093     7.0        8.0              6.0              4.0              6.0
## 2094     6.0        5.0              4.0              5.0              7.0
## 2095     4.0        9.0              7.0              6.0              6.0
## 2096     4.0        8.0              6.0              8.0              6.0
## 2097     6.0        6.0              5.0              6.0              9.0
## 2098     7.0        6.0              9.0              8.0              7.0
## 2099     7.0        7.0              8.0              6.0              7.0
## 2100     6.0        7.0              6.0              5.0              7.0
## 2101     7.0        7.0              2.0              7.0              6.0
## 2102     4.0        6.0              3.0              6.0              5.0
## 2103     3.0        8.0             10.0              5.0              7.0
## 2104     2.0        5.0              2.0              5.0              5.0
```

```
## 2105    8.0     8.0     7.0      7.0      7.0
## 2106    8.0     9.0     8.0      5.0      8.0
## 2107    8.0     7.0     7.0      8.0      8.0
## 2108    7.0     9.0     7.0      6.0      7.0
## 2109    8.0     7.0     6.0      5.0      8.0
## 2110    7.0     7.0     8.0      7.0      9.0
## 2111    8.0     8.0     7.0      8.0      8.0
## 2112    4.0     4.0     4.0      8.0      8.0
## 2113    8.0     6.0     6.0      9.0      9.0
## 2114    8.0     7.0     7.0      8.0      9.0
## 2115    7.0     6.0     8.0      6.0      8.0
## 2116    8.0     6.0     7.0      8.0     10.0
## 2117    9.0     8.0     6.0      8.0     10.0
## 2118    6.0     5.0     7.0      8.0      6.0
## 2119    7.0    10.0     8.0      8.0      9.0
## 2120    5.0     5.0     4.0      7.0      6.0
## 2121    8.0     5.0     6.0      8.0      7.0
## 2122    8.0     8.0     6.0      4.0      9.0
## 2123    7.0     6.0     7.0      7.0      7.0
## 2124    9.0     8.0     9.0      4.0      8.0
## 2125   10.0     8.0     8.0      9.0     10.0
## 2126    6.0     6.0     5.0      9.0      6.0
## 2127    6.0     7.0     2.0      7.0      7.0
## 2128    3.0     3.0     3.0      6.0      6.0
## 2129    7.0     6.0     7.0      9.0     10.0
## 2130    5.0     7.0     8.0      9.0      9.0
## 2131    7.0     7.0     9.0      8.0      9.0
## 2132    7.0     7.0     6.0      7.0      8.0
## 2133    9.0     7.0     5.0      8.0      7.0
## 2134    7.0     8.0     8.0      5.0     10.0
## 2135    6.0    10.0     6.0      8.0      8.0
## 2136    7.0     7.0     6.0      8.0      7.0
## 2137    6.0     5.0     7.0      8.0      8.0
## 2138   10.0     6.0     6.0      6.0      9.0
## 2139    5.0     6.0     5.0      7.0      8.0
## 2140    7.0     5.0     4.0      6.0      8.0
## 2141    7.0     7.0     7.0      8.0      7.0
## 2142    5.0     6.0     5.0      7.0      8.0
## 2143    1.0     5.0     2.0      8.0      8.0
## 2144    4.0     4.0     6.0      9.0      7.0
## 2145    7.0     8.0     6.0      8.0     10.0
## 2146    4.0     6.0     5.0     10.0      9.0
## 2147    8.0     8.0     9.0      8.0      9.0
## 2148    5.0     7.0     6.0      7.0      8.0
## 2149    5.0     5.0     4.0     10.0      8.0
## 2150    6.0     4.0     5.0      9.0      9.0
## 2151    7.0     8.0     6.0      7.0      8.0
## 2152    4.0     5.0     4.0      9.0      7.0
## 2153    8.0     9.0     5.0      4.0      4.0
## 2154    8.0     8.0     6.0      3.0      7.0
## 2155    7.0     7.0     6.0      7.0      7.0
## 2156    7.0     7.0     4.0      5.0      7.0
## 2157    6.0     7.0     6.0      7.0      7.0
## 2158    6.0     8.0     7.0      8.0      8.0
```

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## 2159     5.0        5.0           2.0              8.0              8.0
## 2160     3.0        7.0           8.0              7.0              7.0
## 2161     5.0        8.0           6.0              5.0              7.0
## 2162     6.0        5.0           6.0              8.0              8.0
## 2163     5.0        7.0           7.0              8.0              8.0
## 2164     4.0        7.0           6.0              6.0              7.0
## 2165     9.0        9.0           7.0              7.0              7.0
## 2166     6.0        6.0           5.0              7.0              7.0
## 2167     9.0       10.0           6.0              7.0              7.0
## 2168     7.0        7.0           6.0              8.0              8.0
## 2169     8.0        8.0           8.0              7.0              6.0
## 2170     6.0        4.0           6.0              3.0              7.0
## 2171     7.0        7.0           7.0              4.0              6.0
## 2172     8.0        7.0           4.0              2.0              6.0
## 2173     7.0        7.0           6.0              3.0              6.0
## 2174     6.0        6.0           5.0              3.0              6.0
## 2175     5.0        8.0           2.0              6.0              5.0
## 2176     7.0        5.0           8.0              6.0              6.0
## 2177     8.0        8.0           8.0              7.0              5.0
## 2178     5.0        4.0           7.0              8.0              8.0
## 2179     8.0        8.0           7.0              7.0              8.0
## 2180     7.0        7.0           5.0              4.0              8.0
## 2181     8.0        8.0           8.0              5.0              7.0
## 2182     6.0        6.0           3.0              6.0              6.0
## 2183     6.0        9.0           4.0              7.0              6.0
## 2184     6.0        3.0           4.0              6.0              7.0
## 2185    10.0        9.0          10.0              8.0              8.0
## 2186     9.0        9.0           6.0              5.0              5.0
## 2187     6.0        5.0           5.0              8.0              8.0
## 2188     8.0        7.0          10.0              7.0              7.0
## 2189     7.0        7.0           6.0              4.0              6.0
## 2190     4.0        4.0           3.0              4.0              7.0
## 2191     4.0        2.0           2.0              7.0              8.0
## 2192     4.0        7.0           6.0              5.0              6.0
## 2193     8.0        8.0           6.0              8.0              7.0
## 2194     4.0        5.0           4.0              9.0              8.0
## 2195     6.0        7.0           5.0              7.0              7.0
## 2196     6.0        7.0           6.0              7.0              7.0
## 2197     5.0        7.0           5.0              8.0              8.0
## 2198     6.0        6.0           3.0              7.0              7.0
## 2199     9.0       10.0           5.0              7.0              8.0
## 2200     7.0        6.0           7.0              6.0              8.0
## 2201    10.0       10.0          10.0              8.0              8.0
## 2202     8.0        8.0           8.0              7.0              9.0
## 2203     8.0        6.0           7.0              8.0              7.0
## 2204     7.0        7.0           5.0              7.0              9.0
## 2205     8.0        7.0           6.0              7.0              8.0
## 2206     7.0        7.0           5.0             10.0              8.0
## 2207     5.0        5.0           2.0              9.0              9.0
## 2208     7.0        7.0           8.0              9.0              8.0
## 2209     9.0        9.0           7.0              7.0              8.0
## 2210     7.0        7.0           6.0              9.0              9.0
## 2211     8.0        8.0           6.0             10.0              9.0
## 2212     7.0        7.0           6.0              9.0             10.0
```

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## 2213     9.0       8.0        9.0          10.0         9.0
## 2214     7.0       8.0        6.0           9.0         8.0
## 2215     8.0       9.0       10.0           8.0         8.0
## 2216     8.0       7.0        8.0          10.0         8.0
## 2217     9.0       8.0        7.0           7.0         7.0
## 2218     6.0       7.0        8.0           5.0         7.0
## 2220     7.0       7.0       10.0           6.0         7.0
## 2221     7.0       7.0        6.0           5.0         7.0
## 2222     4.0       6.0        4.0           7.0         7.0
## 2223     4.0       8.0        1.0           6.0         6.0
## 2224     4.0       8.0        6.0           7.0         7.0
## 2225     6.0       9.0        3.0           6.0         7.0
## 2226     3.0       7.0        2.0           8.0         7.0
## 2227     6.0       8.0        6.0           5.0         7.0
## 2228     5.0       7.0        4.0           5.0         7.0
## 2229     5.0       9.0        6.0           6.0         6.0
## 2230     3.0       8.0        6.0           6.0         7.0
## 2231     3.0      10.0        8.0           6.0         8.0
## 2232     4.0       5.0        3.0           6.0         6.0
## 2233     5.0       6.0        2.0           7.0         8.0
## 2234     7.0       8.0        8.0           5.0         8.0
## 2235     7.0       7.0        6.0           8.0         9.0
## 2236     7.0       8.0        5.0           6.0         8.0
## 2237     7.0       7.0        6.0           6.0         8.0
## 2238     4.0       6.0        3.0           5.0         6.0
## 2239     7.0       8.0        5.0           7.0         7.0
## 2240     6.0       7.0        6.0           8.0         7.0
## 2241     6.0       9.0        6.0           7.0         9.0
## 2242     5.0       7.0        6.0           9.0         9.0
## 2243     8.0       7.0        8.0           7.0         7.0
## 2244     7.0       7.0        6.0           6.0         8.0
## 2245     8.0       8.0        8.0           9.0         7.0
## 2246     4.0       8.0        5.0          10.0         8.0
## 2247     2.0       9.0        2.0           6.0         8.0
## 2248     6.0       7.0        5.0           9.0         8.0
## 2249     8.0       8.0        8.0           8.0         7.0
## 2250     8.0       8.0        6.0           6.0         8.0
## 2251     7.0       8.0        7.0           4.0         7.0
## 2252     7.0       8.0        7.0           2.0         7.0
## 2253     7.0       7.0        6.0           1.0         4.0
## 2254    10.0       8.0        8.0           8.0         4.0
## 2255    10.0      10.0        7.0           7.0         4.0
## 2256     6.0       6.0        6.0           6.0         4.0
## 2257     7.0       8.0        6.0           4.0         6.0
## 2258     6.0       7.0        8.0           8.0         7.0
## 2259     8.0       9.0        6.0           7.0         8.0
## 2260     6.0       7.0        6.0           4.0         6.0
## 2261    10.0      10.0        8.0           7.0         8.0
## 2262     6.0       7.0        7.0           5.0         6.0
## 2263     8.0      10.0        7.0           6.0         8.0
## 2264     8.0       7.0        7.0           8.0         5.0
## 2265     9.0       9.0        9.0           8.0         7.0
## 2266     9.0       8.0        6.0           4.0         6.0
## 2267     6.0       7.0        6.0           5.0         7.0
```

```
## 2268    10.0    10.0    10.0     4.0     6.0
## 2269     8.0     7.0     6.0     5.0     6.0
## 2270     8.0     4.0     5.0     5.0     7.0
## 2271     5.0     8.0     2.0     5.0     8.0
## 2272     7.0     4.0     6.0     8.0     8.0
## 2273     8.0     8.0     6.0     7.0     7.0
## 2274     9.0     6.0    10.0     9.0     8.0
## 2275     6.0     7.0     7.0     5.0     5.0
## 2276     6.0     7.0     6.0     5.0     5.0
## 2277     9.0     9.0     7.0     6.0     7.0
## 2278     4.0     8.0     6.0     6.0     7.0
## 2279     9.0     9.0     7.0     7.0     7.0
## 2280     6.0     5.0     6.0     7.0     8.0
## 2281     8.0     6.0     7.0     5.0     6.0
## 2282     6.0     5.0     8.0     5.0     5.0
## 2283     7.0     5.0     6.0     5.0     5.0
## 2284     7.0     7.0    10.0     5.0     5.0
## 2285     5.0     5.0     5.0     5.0     5.0
## 2286     5.0     5.0     4.0     5.0     5.0
## 2287     8.0     4.0     6.0     5.0     5.0
## 2288     6.0     6.0     8.0     5.0     6.0
## 2289     4.0     6.0     3.0     6.0     5.0
## 2290     5.0     6.0     6.0     6.0     5.0
## 2291     7.0    10.0     8.0     7.0     7.0
## 2292     4.0     7.0     6.0     2.0     7.0
## 2293     6.0     5.0     7.0     2.0     8.0
## 2294     5.0     7.0     6.0     4.0     6.0
## 2295     5.0     5.0     5.0     4.0     7.0
## 2296     5.0     4.0     5.0     4.0     7.0
## 2297     9.0     8.0    10.0     7.0     8.0
## 2298     7.0     8.0     8.0     1.0     7.0
## 2299     6.0     4.0     5.0     1.0     5.0
## 2300     6.0     8.0     9.0     4.0     6.0
## 2301     7.0    10.0     6.0     7.0     7.0
## 2302     4.0     7.0     6.0     6.0     5.0
## 2303     6.0     7.0     8.0     7.0     8.0
## 2304     7.0     7.0     6.0     5.0     5.0
## 2305     5.0     5.0     7.0     7.0     5.0
## 2306     6.0     4.0     5.0     6.0     7.0
## 2307     7.0     9.0     3.0     8.0     7.0
## 2308     7.0     8.0     7.0     8.0     6.0
## 2309     3.0     9.0     3.0     8.0     7.0
## 2310     3.0     9.0     6.0     7.0     8.0
## 2311    10.0    10.0    10.0     5.0     7.0
## 2312     8.0     9.0     5.0     2.0     3.0
## 2313     8.0     5.0     2.0     2.0     6.0
## 2314     7.0     7.0     6.0     4.0     6.0
## 2315     5.0     5.0     5.0     1.0     6.0
## 2316     5.0     9.0     5.0     4.0     6.0
## 2317     8.0     5.0     6.0     6.0     7.0
## 2318     6.0     6.0     6.0     7.0     7.0
## 2319     7.0     9.0     4.0     7.0     7.0
## 2320     6.0     8.0     7.0     5.0     7.0
## 2321     8.0     9.0     7.0     5.0     7.0
```

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## 2322     6.0      8.0         9.0        7.0        7.0
## 2323     2.0      7.0         5.0        5.0        7.0
## 2325     5.0      5.0         5.0        5.0        6.0
## 2326     5.0      5.0         6.0        7.0        7.0
## 2327     9.0      7.0         9.0        7.0        5.0
## 2328     7.0      5.0         5.0        8.0        7.0
## 2329     6.0      6.0         4.0        6.0        6.0
## 2330     6.0     10.0         9.0        7.0        8.0
## 2331    10.0     10.0         5.0        3.0        7.0
## 2332     9.0      9.0        10.0        4.0        6.0
## 2333     8.0      7.0         6.0        4.0        8.0
## 2334     8.0      7.0         6.0        4.0        8.0
## 2335     6.0      5.0         6.0        4.0        8.0
## 2336     8.0      8.0         7.0        4.0        8.0
## 2337     9.0      9.0         5.0        7.0        6.0
## 2338     8.0      8.0         6.0        4.0        7.0
## 2339     8.0      6.0         4.0        6.0        6.0
## 2340     8.0      8.0         8.0        5.0        7.0
## 2341     8.0      9.0         9.0        7.0        8.0
## 2342     8.0      8.0         5.0        4.0        4.0
## 2343     7.0      7.0         6.0        6.0        7.0
## 2344     7.0      7.0         6.0        5.0        5.0
## 2345     8.0      5.0         8.0        7.0        8.0
## 2346     6.0      6.0         5.0        7.0        6.0
## 2347     7.0      7.0         6.0        8.0        7.0
## 2348     7.0      8.0         7.0        8.0        7.0
## 2349     8.0      6.0         4.0        9.0        8.0
## 2350     6.0      7.0         8.0        7.0        7.0
## 2351     8.0     10.0         9.0        8.0        9.0
## 2352     8.0      8.0         5.0        6.0        8.0
## 2353     7.0      8.0         6.0        8.0        8.0
## 2354     7.0      7.0         6.0        4.0        4.0
## 2355     6.0      2.0         5.0        4.0        4.0
## 2356     6.0      7.0         6.0        5.0       10.0
## 2357     9.0      7.0         6.0        5.0        5.0
## 2358     8.0      8.0         5.0        8.0        9.0
## 2359     5.0      6.0         3.0        6.0        4.0
## 2360     6.0      9.0         9.0        8.0        8.0
## 2361     8.0      9.0         6.0        7.0        8.0
## 2362     9.0      9.0         5.0        7.0        7.0
## 2363     5.0      5.0         6.0        6.0        8.0
## 2364     7.0      7.0         6.0        6.0        8.0
## 2365     6.0      7.0         5.0        1.0        7.0
## 2366     6.0      7.0         5.0        6.0        8.0
## 2367     7.0      7.0         6.0        7.0        8.0
## 2368     7.0      8.0         5.0        9.0        9.0
## 2369     6.0      7.0         3.0        8.0        9.0
## 2370     6.0      8.0         6.0        5.0        8.0
## 2371    10.0     10.0        10.0        8.0        9.0
## 2372     7.0      6.0        10.0        7.0        6.0
## 2373     6.0      5.0         3.0        8.0        8.0
## 2374     1.0      7.0         1.0        6.0        6.0
## 2375     5.0      5.0         5.0        6.0        7.0
## 2376     7.0      7.0         6.0        6.0        8.0
```

```
## 2377    8.0      4.0           1.0            7.0            7.0
## 2378    6.0      6.0           6.0            7.0            7.0
## 2379    5.0      5.0           6.0            8.0            8.0
## 2380    7.0      6.0           6.0            7.0            8.0
## 2381    6.0      6.0           6.0            8.0           10.0
## 2382    7.0      7.0           7.0            7.0           10.0
## 2383    6.0      7.0           5.0           10.0           10.0
## 2384    5.0      6.0           5.0            8.0           10.0
## 2385    5.0      7.0           4.0            8.0           10.0
## 2386    4.0      6.0           7.0           10.0           10.0
## 2387    8.0      7.0           6.0           10.0            9.0
## 2388    9.0     10.0           7.0           10.0           10.0
## 2389    8.0      9.0           8.0            8.0           10.0
## 2390    7.0      6.0           9.0           10.0           10.0
## 2391    5.0      5.0           6.0            6.0            6.0
## 2392    5.0      7.0           2.0            3.0            8.0
## 2393    6.0      7.0           4.0            3.0            8.0
## 2394    3.0      5.0           2.0            2.0            9.0
## 2395    6.0      7.0           6.0            3.0            7.0
## 2396    5.0      6.0           6.0            8.0            8.0
## 2397    3.0      3.0           3.0            9.0           10.0
## 2398    6.0     10.0           6.0            9.0           10.0
## 2399    9.0      8.0           8.0            6.0            8.0
## 2400    6.0      6.0           7.0            6.0            6.0
## 2401    6.0      6.0           6.0            4.0            6.0
## 2402    7.0      8.0           6.0            7.0            6.0
## 2403    6.0      5.0           6.0            8.0            7.0
## 2404    2.0      4.0           2.0            5.0            5.0
## 2405    5.0      7.0           6.0            5.0            6.0
## 2406    6.0      6.0           7.0            7.0            7.0
## 2407    5.0      5.0           6.0            7.0            7.0
## 2408    7.0      9.0           7.0            6.0            8.0
## 2409    9.0     10.0           8.0            5.0            7.0
## 2410    7.0      6.0           5.0            7.0            7.0
## 2411    5.0      5.0           7.0            6.0            8.0
## 2412    7.0      6.0           7.0            6.0            7.0
## 2414    5.0      7.0           4.0            4.0            7.0
## 2416    6.0      6.0           7.0            7.0            7.0
## 2417    5.0      5.0           4.0            6.0            7.0
## 2419    8.0      9.0           9.0            6.0            7.0
## 2420    6.0      6.0           6.0            4.0            7.0
## 2421    5.0      5.0           5.0            4.0            5.0
## 2422    7.0      7.0           7.0            6.0            5.0
## 2423    8.0      6.0           4.0            6.0            5.0
## 2424    3.0      4.0           2.0            3.0            4.0
## 2425    5.0      7.0           6.0            5.0            5.0
## 2426    6.0      7.0           6.0            7.0            6.0
## 2427    7.0      8.0           5.0            8.0            8.0
## 2428    4.0      4.0           4.0            6.0            7.0
## 2429    9.0     10.0           9.0            5.0            7.0
## 2430    7.0      7.0           6.0            4.0            5.0
## 2431    5.0      5.0           5.0            5.0            8.0
## 2432    6.0      6.0           7.0            6.0            6.0
## 2433    5.0      5.0           3.0            8.0            8.0
```

```
## 2434     3.0       5.0          4.0          5.0        6.0
## 2435     5.0       7.0          6.0          5.0        8.0
## 2436     5.0       7.0          7.0          7.0        8.0
## 2437     6.0       6.0          5.0          6.0        8.0
## 2438     8.0       9.0          4.0          6.0        7.0
## 2439     8.0       9.0          8.0          5.0        7.0
## 2440     7.0       6.0          9.0          6.0        8.0
## 2441     6.0       6.0          6.0          5.0        8.0
## 2442     7.0       5.0          7.0          9.0        8.0
## 2443     8.0       6.0          2.0          9.0        7.0
## 2444     8.0       8.0          3.0          5.0        7.0
## 2445     7.0       5.0          6.0          3.0        9.0
## 2446     7.0       7.0          7.0         10.0        8.0
## 2447     8.0       7.0          6.0          7.0        5.0
## 2448    10.0       5.0          4.0          6.0        9.0
## 2449     9.0       9.0          8.0          7.0        5.0
## 2450     9.0       9.0          9.0          8.0        3.0
## 2451     7.0       7.0          6.0          5.0        8.0
## 2452     8.0       8.0          8.0          5.0        9.0
## 2453     8.0       7.0          6.0          7.0        8.0
## 2454     6.0       8.0          7.0          5.0        7.0
## 2455     7.0       7.0          6.0          5.0        8.0
## 2456     4.0       6.0          5.0          8.0        8.0
## 2457     8.0       8.0          7.0          7.0        8.0
## 2458     8.0       8.0          4.0          8.0        8.0
## 2459     9.0       9.0          8.0          5.0        7.0
## 2460     7.0       7.0          7.0          5.0        7.0
## 2461     7.0       7.0          7.0          3.0        8.0
## 2462     8.0       7.0          8.0          4.0        8.0
## 2463     6.0       7.0          7.0          7.0        8.0
## 2464     8.0       8.0          7.0          6.0        8.0
## 2465     5.0       7.0          6.0          4.0        7.0
## 2466     6.0       5.0          4.0          7.0        7.0
## 2467     9.0       8.0          9.0          7.0        7.0
## 2468     9.0       5.0          9.0          7.0        7.0
## 2469     9.0       9.0          8.0          3.0        8.0
## 2470     8.0       8.0          8.0          5.0        7.0
## 2471     7.0       7.0          7.0          3.0        9.0
## 2472     6.0       7.0          7.0          5.0        8.0
## 2473     6.0       7.0          6.0          6.0        9.0
## 2474     6.0       7.0          5.0          6.0        8.0
## 2475     7.0       7.0          6.0          3.0        9.0
## 2476     8.0       8.0          7.0          9.0        9.0
## 2477     8.0       6.0          5.0          7.0        8.0
## 2478     8.0       9.0          9.0          8.0       10.0
## 2479     9.0       9.0          6.0          3.0        9.0
## 2480     6.0       6.0          6.0          6.0        8.0
## 2481     7.0       8.0          3.0          7.0        8.0
## 2482     3.0       3.0          4.0          9.0        9.0
## 2483     5.0       5.0          5.0          4.0        8.0
## 2484     4.0       7.0          6.0          8.0        8.0
## 2485     5.0       4.0          4.0          8.0        9.0
## 2486     3.0       4.0          5.0          8.0        9.0
## 2487     7.0       9.0          0.0          6.0       10.0
```

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## 2488     7.0          6.0              5.0              8.0             10.0
## 2489     4.0          7.0              2.0              3.0             10.0
## 2490     8.0          6.0              7.0              6.0             10.0
## 2491     7.0          6.0              7.0              7.0              9.0
## 2492     5.0          3.0              4.0              7.0             10.0
## 2493     4.0          5.0              4.0             10.0              8.0
## 2494     5.0          5.0              5.0             10.0              8.0
## 2495     4.0          6.0              5.0              7.0             10.0
## 2496     3.0          5.0              3.0              8.0              9.0
## 2497     2.0          2.0              2.0              6.0             10.0
## 2498     5.0          6.0              4.0              8.0             10.0
## 2499     4.0          3.0              5.0              5.0             10.0
## 2500     7.0          8.0              6.0              6.0              7.0
## 2501     7.0          7.0              5.0              8.0              7.0
## 2502     9.0          7.0              9.0              7.0              8.0
## 2503     8.0          8.0              4.0              5.0              8.0
## 2504     4.0          6.0              5.0              9.0              6.0
## 2505     5.0          6.0              6.0              6.0             10.0
## 2506     7.0          4.0              7.0              9.0             10.0
## 2507    10.0          8.0              9.0              5.0             10.0
## 2508     8.0          5.0              5.0              7.0              8.0
## 2509     3.0          3.0              2.0              4.0              5.0
## 2510     7.0          6.0              5.0              6.0              8.0
## 2511     7.0          7.0              8.0              8.0              8.0
## 2512     7.0          6.0              6.0              6.0              7.0
## 2513     8.0          6.0              6.0             10.0              9.0
## 2514     8.0          5.0              6.0              9.0              7.0
## 2515     7.0          6.0              5.0              8.0              9.0
## 2516     9.0          5.0              5.0              8.0              8.0
## 2517     7.0          6.0              5.0              6.0              7.0
## 2518     8.0          4.0              6.0              6.0             10.0
## 2519     8.0          6.0              7.0              5.0              6.0
## 2520     7.0          7.0              6.0              6.0              9.0
## 2521     7.0          9.0              5.0              5.0              8.0
## 2522     3.0          3.0              3.0              5.0              6.0
## 2523     7.0          7.0              6.0              2.0              3.0
## 2524     5.0          4.0              6.0              6.0              8.0
## 2525     3.0          6.0              2.0              2.0              3.0
## 2526     5.0          5.0              7.0              6.0              7.0
## 2527     9.0          9.0             10.0              4.0              4.0
## 2528     4.0          3.0              3.0              3.0              6.0
## 2529     3.0          4.0              5.0              2.0              6.0
## 2530     2.0          8.0              2.0              2.0              7.0
## 2531     5.0          5.0              5.0              2.0              5.0
## 2532     3.0          2.0              3.0              3.0              4.0
## 2533     4.0          6.0              5.0              5.0              4.0
## 2534     6.0          5.0              3.0              5.0              5.0
## 2535     4.0          5.0              6.0              2.0              5.0
## 2536     2.0          1.0              1.0              3.0              3.0
## 2537     5.0          5.0              6.0              2.0              3.0
## 2538     6.0          6.0              3.0              3.0              6.0
## 2539     5.0          5.0              4.0              3.0              5.0
## 2540     7.0          7.0              6.0              2.0              8.0
## 2541     6.0          8.0              5.0              7.0              7.0
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```
## 2542      6.0        7.0             4.0              8.0              8.0
## 2543      6.0        6.0             3.0              7.0              6.0
## 2544      7.0        7.0             7.0              8.0              9.0
## 2545      4.0        4.0             3.0              7.0              8.0
## 2546      5.0        5.0             6.0              7.0              7.0
## 2547      8.0        9.0            10.0              7.0              7.0
## 2548      6.0        6.0             5.0              7.0              7.0
## 2549      6.0        7.0             5.0              7.0              7.0
## 2550      4.0        8.0             5.0              7.0              7.0
## 2551     10.0        5.0             7.0              8.0              8.0
## 2552      5.0        6.0             8.0              7.0              7.0
## 2553      8.0        7.0             7.0              7.0              8.0
## 2554      7.0        7.0             7.0              7.0              7.0
## 2555      6.0        7.0             5.0              7.0              7.0
## 2556      5.0        4.0             3.0              7.0              7.0
## 2557      6.0        5.0             5.0              7.0              7.0
## 2558      6.0        6.0             9.0             10.0             10.0
## 2559     10.0        8.0             8.0             10.0             10.0
## 2560      8.0        8.0             6.0              7.0              7.0
## 2561      6.0        7.0             4.0              4.0              5.0
## 2562      6.0        5.0             4.0              4.0              5.0
## 2563      8.0        8.0             7.0              3.0              4.0
## 2564      3.0        5.0             3.0              6.0              5.0
## 2565      3.0        4.0             2.0              5.0              4.0
## 2566      5.0        5.0             3.0              5.0              4.0
## 2567      9.0        8.0             8.0              3.0              2.0
## 2568      3.0        7.0             3.0              3.0              5.0
## 2569      5.0        6.0             2.0              2.0              3.0
## 2570      3.0        4.0             5.0              4.0              4.0
## 2571      5.0        6.0             5.0              4.0              5.0
## 2572      2.0        3.0             4.0              4.0              6.0
## 2573      3.0        6.0             3.0              8.0              7.0
## 2574      4.0        4.0             2.0              5.0              5.0
## 2575      3.0        8.0             4.0              8.0              8.0
## 2576      2.0        2.0             2.0              6.0              6.0
## 2577      7.0        5.0             6.0              5.0              5.0
## 2578      1.0        7.0             5.0              5.0              5.0
## 2579      4.0        4.0             2.0              4.0              4.0
## 2580      8.0        8.0             6.0              4.0              6.0
## 2581      6.0        7.0             6.0              2.0             10.0
## 2582      5.0        6.0             6.0              6.0              6.0
## 2583      6.0        7.0             5.0              1.0              6.0
## 2584      5.0        6.0             7.0              9.0              9.0
## 2585      6.0        6.0             5.0              4.0              9.0
## 2586      6.0        5.0             5.0              9.0             10.0
## 2587      6.0        7.0             2.0              2.0             10.0
## 2588      7.0        8.0             3.0              5.0             10.0
## 2589      8.0        6.0             7.0              2.0              9.0
## 2590      7.0        5.0             8.0              2.0             10.0
## 2591      5.0        5.0             5.0              3.0             10.0
## 2592      5.0        5.0             5.0              7.0             10.0
## 2593      7.0        6.0             7.0              8.0              7.0
## 2594      8.0        8.0             8.0              4.0             10.0
## 2595      4.0        7.0             4.0              5.0              9.0
```

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## 2596    4.0    4.0    4.0    2.0     2.0
## 2597    5.0    5.0    6.0    2.0     4.0
## 2598    6.0    6.0    7.0    3.0     3.0
## 2599    6.0    6.0    6.0    2.0     9.0
## 2600    9.0    8.0    6.0    8.0    10.0
## 2601    7.0    6.0    5.0    7.0    10.0
## 2602    8.0    6.0    6.0    6.0     8.0
## 2603    8.0    8.0    5.0    3.0     7.0
## 2604    5.0    7.0    5.0    8.0    10.0
## 2605    6.0    6.0    6.0    6.0     7.0
## 2606    7.0    7.0    7.0    7.0     9.0
## 2607    8.0    9.0   10.0    6.0    10.0
## 2608    7.0    6.0    5.0    7.0     9.0
## 2609    6.0    8.0    4.0    3.0     9.0
## 2610    8.0    7.0    6.0    6.0    10.0
## 2611    7.0    6.0    5.0    7.0    10.0
## 2612    6.0    9.0    8.0    7.0     9.0
## 2613    7.0    7.0    7.0    7.0     8.0
## 2614    7.0    8.0    8.0    7.0     8.0
## 2615    4.0    5.0    4.0    5.0    10.0
## 2616    6.0    6.0    3.0    7.0    10.0
## 2617    4.0    7.0    6.0    8.0     7.0
## 2618    8.0    6.0    8.0    5.0     7.0
## 2619   10.0    9.0    9.0    5.0     9.0
## 2621    6.0    8.0    6.0    7.0     7.0
## 2622    5.0    8.0    5.0    7.0     8.0
## 2623    9.0    9.0    9.0    3.0     8.0
## 2624    5.0    4.0    5.0    7.0     8.0
## 2625    5.0    5.0    4.0    2.0     8.0
## 2626    5.0    5.0    6.0    7.0     7.0
## 2627   10.0   10.0   10.0    3.0     8.0
## 2628    8.0    8.0    5.0    7.0     7.0
## 2629    4.0    4.0    2.0    1.0     7.0
## 2630    8.0    6.0    7.0    6.0     8.0
## 2631    6.0    6.0    5.0    4.0     7.0
## 2632    7.0    8.0    6.0    5.0     8.0
## 2633    7.0    5.0    6.0    9.0     7.0
## 2634    6.0    7.0    6.0    6.0     7.0
## 2635    5.0    5.0    3.0    5.0     8.0
## 2636    5.0    5.0    5.0    7.0     7.0
## 2637    9.0    5.0    5.0    8.0     8.0
## 2638    5.0    7.0    8.0    8.0     8.0
## 2639    6.0    6.0    4.0    4.0     8.0
## 2640    8.0    8.0    6.0    4.0     8.0
## 2641    9.0    9.0    6.0    7.0     9.0
## 2642    5.0    5.0    4.0    7.0     8.0
## 2643    9.0    9.0    9.0    5.0     8.0
## 2644    6.0    8.0    7.0    9.0     8.0
## 2645    5.0    5.0    6.0    6.0     8.0
## 2646    5.0    5.0    5.0    8.0     8.0
## 2647    8.0    8.0    8.0    5.0     9.0
## 2648    7.0    7.0    3.0    6.0     9.0
## 2649    7.0    8.0    2.0    2.0     9.0
## 2650    7.0    7.0    6.0    8.0     9.0
```

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## 2651     7.0      7.0          7.0          4.0          9.0
## 2652     2.0      5.0          3.0          7.0          9.0
## 2653     6.0      5.0          4.0          9.0          8.0
## 2654     4.0      5.0          4.0          8.0          7.0
## 2655     6.0      7.0          5.0          4.0          9.0
## 2656     4.0      3.0          2.0          9.0          9.0
## 2657     5.0      5.0          3.0          5.0          9.0
## 2658     4.0      6.0          4.0          6.0          8.0
## 2659     7.0      7.0          6.0          7.0          9.0
## 2660     8.0      9.0          6.0          7.0          8.0
## 2661     8.0      7.0          6.0          3.0          6.0
## 2662     4.0      5.0          5.0          7.0          6.0
## 2663     9.0      9.0          9.0          2.0          5.0
## 2664     6.0      9.0          8.0         10.0          7.0
## 2665     6.0      6.0          6.0          7.0          5.0
## 2666     7.0      6.0          7.0          8.0          6.0
## 2667     8.0      8.0          9.0          3.0          9.0
## 2668     6.0      6.0          3.0          3.0          7.0
## 2669     7.0      6.0          3.0          3.0          9.0
## 2670     8.0      8.0          7.0          5.0          8.0
## 2671     5.0      5.0          5.0          4.0          7.0
## 2672     6.0      8.0          7.0          6.0          9.0
## 2673     7.0      5.0          5.0         10.0          8.0
## 2674     5.0      6.0          5.0          8.0          6.0
## 2675     5.0      5.0          8.0          6.0          7.0
## 2676     3.0      1.0          2.0          8.0          3.0
## 2677     7.0      5.0          4.0          4.0          6.0
## 2678     5.0      5.0          6.0          5.0          5.0
## 2679     8.0      7.0          5.0          5.0          6.0
## 2680     8.0      9.0          6.0          6.0         10.0
## 2681     8.0      6.0          6.0          5.0          6.0
## 2682     7.0      6.0          6.0          7.0          7.0
## 2683    10.0     10.0          5.0          3.0          8.0
## 2684     7.0      7.0          5.0          9.0          8.0
## 2685     6.0      6.0          4.0          5.0          7.0
## 2686     6.0      7.0          5.0          7.0          8.0
## 2687     8.0     10.0          7.0          4.0          7.0
## 2688     6.0      7.0          3.0          4.0          7.0
## 2689     2.0      8.0          3.0          1.0          6.0
## 2690     8.0      7.0          2.0          6.0          6.0
## 2691     1.0      3.0          1.0          5.0          6.0
## 2692     8.0      7.0          9.0          7.0          9.0
## 2693     7.0      6.0          6.0          9.0          9.0
## 2694     5.0      5.0          5.0          7.0          7.0
## 2695     5.0      4.0          4.0          2.0          6.0
## 2696     5.0      8.0          6.0          8.0          7.0
## 2697     7.0      7.0          3.0          6.0          8.0
## 2698     7.0     10.0          6.0          7.0          7.0
## 2699     7.0      6.0          6.0          6.0          8.0
## 2700     8.0      8.0          6.0          6.0          8.0
## 2701     8.0      6.0          6.0          5.0          6.0
## 2702     3.0      6.0          2.0         10.0          8.0
## 2703     8.0      7.0          5.0          2.0          8.0
## 2704     4.0      5.0          5.0         10.0         10.0
```

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## 2705     6.0        6.0           7.0              5.0            8.0
## 2706     6.0        5.0           5.0              6.0            6.0
## 2707    10.0       10.0          10.0              8.0            8.0
## 2708     6.0        6.0           3.0              8.0            8.0
## 2709     8.0        2.0           4.0              3.0           10.0
## 2710     8.0        7.0           7.0              6.0            7.0
## 2711     4.0        5.0           5.0             10.0           10.0
## 2712     3.0        7.0           4.0              6.0            8.0
## 2713     2.0        6.0           3.0              9.0            7.0
## 2714     5.0        5.0           3.0              2.0            7.0
## 2715     4.0        7.0           6.0              5.0            9.0
## 2716     2.0        3.0           3.0             10.0            8.0
## 2717     8.0        5.0           6.0              5.0            5.0
## 2718     6.0        6.0           4.0              4.0            5.0
## 2719     8.0        8.0           7.0              6.0            8.0
## 2720     7.0        7.0           6.0              6.0            8.0
## 2721     5.0        7.0           5.0              5.0            7.0
## 2722     7.0        8.0           6.0              7.0            7.0
## 2723     7.0        5.0           5.0              2.0            8.0
## 2724     5.0        5.0           4.0              9.0            5.0
## 2725     5.0        6.0           5.0              7.0            7.0
## 2726     5.0        5.0           6.0              7.0            7.0
## 2727    10.0       10.0          10.0              9.0           10.0
## 2728     7.0        7.0           5.0              8.0            7.0
## 2729     2.0        5.0           4.0              4.0           10.0
## 2730     8.0        9.0           6.0              8.0            8.0
## 2731     8.0        8.0           9.0              7.0            7.0
## 2732     8.0        7.0           8.0              4.0            9.0
## 2733     7.0        8.0           5.0              7.0            7.0
## 2734     4.0        5.0           3.0              8.0            8.0
## 2735     7.0        7.0           5.0              7.0            8.0
## 2736     7.0        5.0           4.0              8.0            8.0
## 2737     8.0        7.0           7.0              7.0            7.0
## 2738     8.0        7.0           8.0              7.0            7.0
## 2739     5.0        6.0           5.0              4.0            9.0
## 2740     7.0        7.0           6.0              1.0            7.0
## 2741     8.0        8.0           6.0              4.0            6.0
## 2742     9.0        4.0           5.0              6.0            9.0
## 2743    10.0        8.0           8.0              3.0            8.0
## 2744     8.0        6.0           5.0              7.0            8.0
## 2745     7.0        6.0           4.0              6.0            9.0
## 2746     9.0        5.0           8.0              9.0            9.0
## 2747    10.0        9.0           9.0              7.0            9.0
## 2748     9.0        9.0           5.0              6.0            7.0
## 2749     6.0        4.0           4.0              1.0            1.0
## 2750     8.0       10.0           5.0              3.0            8.0
## 2751     7.0        5.0           5.0              4.0            8.0
## 2752     8.0        9.0           7.0              7.0            6.0
## 2753     9.0        7.0           7.0             10.0            9.0
## 2754     9.0        8.0           8.0              8.0           10.0
## 2755     8.0        6.0           5.0              6.0            6.0
## 2756     8.0        3.0           6.0              7.0            9.0
## 2757     7.0        6.0           7.0              4.0            7.0
## 2758     7.0        8.0           4.0              4.0            5.0
```

```
## 2759      8.0         8.0              7.0              4.0              6.0
## 2760      8.0         8.0              6.0              9.0              8.0
## 2761      7.0         8.0              6.0              5.0              8.0
## 2762      7.0         7.0              5.0             10.0             10.0
## 2763      9.0         9.0              9.0              5.0              5.0
## 2764      9.0         8.0              7.0              6.0              8.0
## 2765      8.0         7.0              4.0              5.0              8.0
## 2766      7.0         6.0              7.0              8.0              9.0
## 2767     10.0         9.0              8.0              5.0             10.0
## 2768      8.0         8.0              5.0              5.0              7.0
## 2769      8.0         2.0              5.0              5.0              7.0
## 2770      8.0         7.0              6.0              5.0              5.0
## 2771      5.0         5.0              5.0             10.0             10.0
## 2772      9.0         9.0              6.0              5.0              8.0
## 2773      8.0         7.0              6.0              9.0              9.0
## 2774      8.0         8.0              7.0              8.0              9.0
## 2775      8.0         6.0              6.0              5.0              8.0
## 2776      5.0         6.0              3.0              8.0              8.0
## 2777      8.0         7.0              7.0              9.0              9.0
## 2778      9.0         6.0              7.0              5.0              9.0
## 2779      8.0         8.0              6.0              5.0              9.0
## 2780      8.0         8.0              6.0              6.0              8.0
## 2781      7.0         8.0              6.0              6.0              5.0
## 2782      5.0         8.0              5.0              8.0              7.0
## 2783      8.0         7.0              6.0              5.0              6.0
## 2784      5.0         5.0              5.0              6.0              6.0
## 2785      5.0         4.0              1.0              5.0              7.0
## 2786      5.0         5.0              5.0              6.0              5.0
## 2787      9.0         9.0              9.0              5.0              7.0
## 2788      6.0         3.0              2.0              8.0              7.0
## 2789      7.0         6.0              3.0              3.0              7.0
## 2790      4.0         6.0              4.0              5.0              7.0
## 2791      7.0         7.0              7.0              7.0              7.0
## 2792      8.0         7.0              7.0              5.0              6.0
## 2793      7.0         8.0              5.0              8.0              7.0
## 2794      5.0         4.0              4.0              8.0              8.0
## 2795      7.0         7.0              4.0              5.0              6.0
## 2796      5.0         6.0              3.0              8.0              7.0
## 2797      5.0         6.0              4.0              5.0              5.0
## 2798      5.0         6.0              7.0              8.0              8.0
## 2799      6.0         7.0              5.0              5.0              7.0
## 2801      8.0         8.0              7.0              7.0             10.0
## 2802      7.0         7.0              7.0              7.0              8.0
## 2803      9.0         9.0              8.0              1.0              1.0
## 2804      6.0         5.0              6.0              9.0              7.0
## 2805      5.0         5.0              5.0              6.0             10.0
## 2806      4.0         5.0              5.0              9.0              8.0
## 2807      9.0         9.0              9.0              5.0             10.0
## 2808      6.0         6.0              4.0              5.0              8.0
## 2809      6.0         5.0              5.0              3.0              7.0
## 2810      8.0         7.0              7.0              4.0             10.0
## 2811      3.0         5.0              5.0              7.0             10.0
## 2812      4.0         3.0              4.0              7.0             10.0
## 2813      7.0         7.0              7.0             10.0             10.0
```

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## 2814     7.0         7.0              6.0              6.0              6.0
## 2815     7.0         6.0              5.0              5.0              8.0
## 2816     5.0         6.0              3.0             10.0              9.0
## 2817     7.0         5.0              7.0              8.0             10.0
## 2818     6.0         6.0              5.0              5.0              2.0
## 2819     7.0         6.0              7.0              3.0              9.0
## 2820     8.0         8.0              6.0              4.0              2.0
## 2821     6.0         8.0              6.0              6.0              8.0
## 2822     4.0         6.0              6.0              4.0              7.0
## 2823     9.0         9.0              9.0              4.0              9.0
## 2824     3.0         5.0              4.0              5.0              7.0
## 2825     5.0         4.0              4.0              3.0              7.0
## 2826     7.0         5.0              5.0              6.0             10.0
## 2827    10.0        10.0             10.0              6.0             10.0
## 2828     6.0         7.0              3.0              6.0             10.0
## 2829     5.0         6.0              5.0              4.0             10.0
## 2830     2.0         7.0              2.0              5.0             10.0
## 2831     5.0         5.0              5.0              5.0              9.0
## 2832     6.0         7.0              7.0              7.0              9.0
## 2833     7.0         9.0              7.0             10.0              8.0
## 2834     5.0         5.0              5.0              7.0              6.0
## 2835     5.0         6.0              5.0              7.0             10.0
## 2836     5.0         5.0              5.0              7.0              8.0
## 2837     7.0         5.0              7.0              6.0              9.0
## 2838     5.0         7.0              7.0              7.0              8.0
## 2839     7.0         8.0              7.0              5.0             10.0
## 2840     7.0         7.0              6.0              5.0              5.0
## 2841     8.0         8.0              6.0              6.0              7.0
## 2842     7.0         8.0              6.0              7.0              6.0
## 2843     9.0         9.0              9.0              6.0              7.0
## 2844     8.0         6.0              6.0              7.0             10.0
## 2845     6.0         6.0              5.0              6.0              7.0
## 2846     8.0         6.0              7.0              8.0              8.0
## 2847     9.0         8.0              9.0              6.0              6.0
## 2848     8.0         8.0              6.0              7.0              7.0
## 2849     8.0         5.0              6.0              5.0              8.0
## 2850     8.0         7.0              5.0              6.0              7.0
## 2851     6.0         5.0              5.0              7.0              8.0
## 2852     7.0         5.0              4.0              7.0              7.0
## 2853     8.0         7.0              7.0              8.0              7.0
## 2854     6.0         6.0              6.0              8.0              7.0
## 2855     7.0         6.0              6.0              6.0             10.0
## 2856     4.0         4.0              3.0              7.0              7.0
## 2857     6.0         6.0              7.0              6.0              6.0
## 2858     6.0         7.0             10.0              7.0              7.0
## 2859    10.0         8.0              7.0              6.0              6.0
## 2860     8.0         8.0              6.0              6.0              7.0
## 2861     7.0         9.0              6.0              8.0              9.0
## 2862     5.0         4.0              6.0              6.0              9.0
## 2863     9.0         9.0              9.0              6.0              8.0
## 2864     5.0         6.0              6.0              8.0              8.0
## 2865     5.0         6.0              5.0              7.0              8.0
## 2866     6.0         5.0              7.0              8.0              8.0
## 2867     9.0         9.0              9.0              6.0              7.0
```

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## 2868     7.0      8.0           3.0           8.0          9.0
## 2869     4.0      6.0           5.0           6.0          8.0
## 2870     7.0      8.0           6.0           7.0          8.0
## 2871     7.0      6.0           7.0           6.0          8.0
## 2872     8.0      7.0           8.0           8.0          8.0
## 2873     7.0      6.0           6.0           9.0          8.0
## 2874     7.0      7.0           7.0           8.0          8.0
## 2875     7.0      5.0           5.0           6.0          8.0
## 2876     8.0      5.0           7.0           8.0          9.0
## 2877     8.0      6.0           8.0           5.0          8.0
## 2878     6.0      7.0           5.0           6.0         10.0
## 2879     9.0      8.0           8.0           6.0          7.0
## 2880     8.0      8.0           6.0           8.0          8.0
## 2881     8.0     10.0           7.0           7.0          8.0
## 2882     8.0      9.0           9.0           9.0          8.0
## 2883     9.0      8.0           5.0           7.0          8.0
## 2884     7.0      7.0           4.0           8.0          8.0
## 2885     5.0      5.0           5.0           6.0          7.0
## 2886     5.0      6.0           5.0           8.0          6.0
## 2887     7.0      9.0           6.0           9.0          5.0
## 2888     7.0      8.0           6.0           9.0          7.0
## 2889     8.0      7.0           5.0           9.0          8.0
## 2890     5.0      7.0           6.0           9.0          8.0
## 2891     8.0      7.0           6.0           9.0          7.0
## 2892     6.0      7.0           5.0          10.0          9.0
## 2893     6.0      9.0           1.0           7.0          8.0
## 2894     4.0      4.0           4.0          10.0          8.0
## 2895     8.0      8.0           7.0           8.0          9.0
## 2896     6.0      5.0           5.0           7.0          8.0
## 2897     5.0      7.0           6.0           9.0          8.0
## 2898     7.0      9.0           2.0           8.0          7.0
## 2899     7.0      9.0           5.0           9.0          9.0
## 2900     7.0      7.0           6.0           8.0          8.0
## 2901     9.0      9.0           7.0           3.0          4.0
## 2902     9.0      8.0           9.0           5.0          9.0
## 2903     6.0      7.0           5.0           5.0          8.0
## 2904     8.0      8.0           1.0           7.0          9.0
## 2905     6.0      6.0           5.0           3.0          7.0
## 2906     6.0      8.0           5.0           5.0          6.0
## 2907     8.0      8.0           6.0           8.0          7.0
## 2908     8.0      8.0           7.0           6.0          8.0
## 2909     8.0      9.0           7.0           3.0          7.0
## 2910     8.0      8.0           7.0           6.0          8.0
## 2911     8.0      8.0           6.0           6.0          7.0
## 2912     8.0      8.0           8.0           6.0          8.0
## 2913     7.0      7.0           7.0           6.0          8.0
## 2914     8.0     10.0           7.0           8.0          7.0
## 2915    10.0     10.0          10.0           7.0          7.0
## 2916     7.0      8.0           6.0           4.0          5.0
## 2917     9.0      9.0          10.0           7.0          8.0
## 2918     5.0     10.0           7.0           7.0          7.0
## 2919     7.0      8.0           7.0           6.0          8.0
## 2920     7.0      9.0           6.0           4.0          8.0
## 2921     6.0      8.0           5.0           5.0          5.0
```

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## 2922    6.0     8.0         6.0          7.0          7.0
## 2923    5.0     7.0         6.0          7.0          6.0
## 2924    7.0     7.0         4.0          6.0          8.0
## 2925    6.0     6.0         7.0          8.0          8.0
## 2926    6.0     7.0         2.0          8.0          7.0
## 2927    6.0     7.0         6.0          8.0          8.0
## 2928    7.0     7.0         6.0          9.0          9.0
## 2929    8.0     9.0         7.0          9.0          9.0
## 2930    5.0     7.0         4.0          9.0          9.0
## 2931    6.0    10.0         7.0          7.0         10.0
## 2932    4.0     7.0         2.0          7.0          8.0
## 2933    7.0     8.0         5.0          5.0         10.0
## 2934    9.0     4.0         5.0         10.0         10.0
## 2935    5.0     5.0         5.0          8.0          9.0
## 2936    8.0     7.0         6.0          6.0          9.0
## 2937    1.0     1.0         1.0          8.0          9.0
## 2938    7.0    10.0         6.0          9.0          8.0
## 2939    7.0     8.0         7.0          9.0          8.0
## 2940    7.0     7.0         7.0          9.0          9.0
## 2941    7.0    10.0         9.0          3.0          9.0
## 2942    7.0     9.0         6.0          6.0          5.0
## 2943    6.0     7.0         9.0          4.0          7.0
## 2944    7.0     9.0         4.0          7.0          7.0
## 2945    5.0     5.0         6.0          3.0          7.0
## 2946    8.0     9.0         8.0          9.0          6.0
## 2947    8.0    10.0         6.0          7.0          7.0
## 2948    7.0     9.0         6.0          5.0          7.0
## 2949    8.0    10.0         7.0          5.0          7.0
## 2950   10.0    10.0         7.0          6.0          8.0
## 2951    8.0    10.0         7.0          4.0          6.0
## 2952    7.0     9.0         6.0          5.0          6.0
## 2953    6.0     6.0         5.0          3.0          7.0
## 2954    7.0     9.0         7.0          9.0          7.0
## 2955    8.0     8.0         8.0          7.0          8.0
## 2956    7.0     9.0         6.0          4.0          7.0
## 2957    1.0     7.0         6.0          4.0          7.0
## 2958    5.0     9.0         4.0          6.0          6.0
## 2959    7.0    10.0         5.0          6.0         10.0
## 2960    8.0    10.0         8.0          7.0          6.0
## 2961    7.0    10.0         7.0          2.0          6.0
## 2962    5.0     9.0         6.0          6.0          7.0
## 2963    2.0     7.0         6.0          2.0          5.0
## 2964    6.0     8.0         3.0          3.0          3.0
## 2965    5.0     4.0         5.0          3.0          7.0
## 2966    4.0     9.0         4.0          4.0          4.0
## 2967    5.0     9.0         6.0          7.0          6.0
## 2968    1.0     7.0         1.0          6.0          6.0
## 2969    6.0     8.0         7.0          6.0          6.0
## 2970    7.0    10.0         6.0          6.0          6.0
## 2971    5.0     9.0         5.0          6.0          5.0
## 2972    6.0     6.0         5.0          6.0          6.0
## 2973    7.0     7.0         7.0          5.0          7.0
## 2974    6.0     8.0         3.0          6.0          5.0
## 2975    8.0     8.0         5.0          7.0          6.0
```

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## 2976     7.0      7.0         6.0         3.0         4.0
## 2977     7.0      7.0         6.0         4.0         4.0
## 2978     3.0     10.0         5.0         5.0         5.0
## 2979     6.0      8.0         5.0         6.0         5.0
## 2980     6.0      9.0         5.0         6.0         6.0
## 2981     7.0      8.0         6.0         3.0         7.0
## 2982     9.0      8.0         9.0         7.0         8.0
## 2983     7.0      7.0         8.0         8.0         7.0
## 2984     6.0      7.0         4.0         6.0         8.0
## 2985     4.0      4.0         4.0         3.0         6.0
## 2986    10.0      9.0        10.0         6.0         6.0
## 2987     8.0      8.0         6.0         7.0         7.0
## 2988     7.0      7.0         6.0         5.0         8.0
## 2989     7.0      8.0         5.0         4.0         7.0
## 2990     8.0      8.0         6.0         7.0         7.0
## 2991     8.0      8.0         8.0         6.0         6.0
## 2992     6.0      6.0         6.0         8.0         7.0
## 2993     7.0      7.0         6.0         5.0         6.0
## 2994    10.0      9.0         8.0         8.0         6.0
## 2995     9.0      9.0         9.0         7.0         7.0
## 2996     7.0      7.0         6.0         5.0         7.0
## 2997     7.0      7.0         6.0         4.0         7.0
## 2998    10.0      7.0         7.0         6.0         5.0
## 2999     8.0      9.0         6.0         8.0         8.0
## 3000     8.0     10.0         8.0         7.0         6.0
## 3001     9.0     10.0         7.0         5.0         8.0
## 3002     8.0      9.0         6.0         8.0         8.0
## 3003     3.0      3.0         6.0        10.0        10.0
## 3004     7.0      7.0         5.0         8.0         8.0
## 3005     4.0      5.0         4.0         8.0         8.0
## 3006    10.0      8.0         7.0         8.0         6.0
## 3007     7.0      8.0         6.0         9.0         9.0
## 3008     3.0      8.0         3.0        10.0        10.0
## 3009     7.0      8.0         4.0         8.0         8.0
## 3010     7.0      9.0         6.0         9.0         9.0
## 3011     6.0      8.0         8.0         7.0         8.0
## 3012     7.0      6.0         6.0         8.0        10.0
## 3013    10.0      9.0         9.0        10.0        10.0
## 3014    10.0      9.0         7.0        10.0         9.0
## 3015     9.0      9.0         9.0         9.0         9.0
## 3016     8.0      7.0         6.0         9.0         9.0
## 3017     7.0      9.0         6.0         9.0         9.0
## 3018     6.0     10.0        10.0        10.0        10.0
## 3019     6.0      6.0         5.0         6.0         8.0
## 3020     7.0      7.0         7.0         9.0        10.0
## 3021     8.0     10.0         7.0         4.0         3.0
## 3022     7.0      8.0         6.0         7.0         8.0
## 3023     3.0      3.0         6.0         6.0         5.0
## 3024     7.0      7.0         4.0         7.0         6.0
## 3025     4.0      5.0         5.0         3.0         5.0
## 3026     6.0      9.0         2.0         8.0         6.0
## 3027     7.0      7.0         6.0         7.0         6.0
## 3028     7.0      7.0         6.0         7.0         7.0
## 3029     7.0      8.0         5.0         8.0         8.0
```

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## 3030    7.0     9.0         3.0          6.0          7.0
## 3031    5.0     6.0         6.0          4.0          5.0
## 3032    8.0     8.0         6.0          5.0          5.0
## 3033    6.0     7.0         5.0          6.0          6.0
## 3034    6.0     7.0         6.0          8.0          7.0
## 3035    8.0     7.0         7.0          7.0          7.0
## 3036    7.0     7.0         6.0          4.0          8.0
## 3037    2.0     3.0         6.0          5.0          7.0
## 3038    6.0    10.0        10.0          6.0          5.0
## 3039    7.0     8.0         7.0          5.0          8.0
## 3040    6.0     9.0         7.0          5.0          7.0
## 3041    6.0     8.0         5.0          7.0          4.0
## 3042    5.0     6.0         4.0          6.0          3.0
## 3043    2.0     1.0         2.0          7.0          6.0
## 3044    7.0     7.0         4.0          8.0          4.0
## 3045    2.0     3.0         2.0          4.0          7.0
## 3046    9.0     2.0         2.0         10.0          7.0
## 3047    4.0     9.0         6.0          8.0          6.0
## 3048    1.0     7.0         6.0          5.0          4.0
## 3049    4.0     8.0         4.0          6.0          4.0
## 3050    2.0     9.0         3.0          8.0          5.0
## 3051    1.0     2.0         1.0          7.0          6.0
## 3052    5.0     8.0         6.0          7.0          5.0
## 3053    9.0     8.0         7.0          6.0          5.0
## 3054    1.0     1.0         1.0          8.0          4.0
## 3055    5.0     7.0         6.0          8.0          7.0
## 3056    7.0     6.0         6.0          6.0          4.0
## 3057    1.0     7.0         6.0          7.0          6.0
## 3058    5.0     7.0         6.0          8.0          5.0
## 3059    5.0     7.0         6.0          8.0          6.0
## 3060    5.0     6.0         6.0          6.0          5.0
## 3061    7.0    10.0         6.0          7.0          7.0
## 3062    5.0     7.0         6.0          6.0          8.0
## 3063    5.0     7.0         6.0          7.0          8.0
## 3064    7.0     7.0         5.0          8.0          6.0
## 3065    4.0     4.0         5.0          6.0          8.0
## 3066    5.0    10.0        10.0          9.0          7.0
## 3067    7.0     8.0         6.0          8.0          9.0
## 3068    7.0     9.0         6.0          8.0          9.0
## 3069    8.0     8.0         8.0          6.0          7.0
## 3070    7.0     9.0         6.0          9.0          9.0
## 3071    6.0     7.0         6.0          8.0          8.0
## 3072    4.0     4.0         4.0          8.0          8.0
## 3073    5.0     5.0         5.0         10.0          9.0
## 3074    3.0     7.0         3.0         10.0          7.0
## 3075    5.0     5.0         5.0         10.0          8.0
## 3076    5.0     6.0         6.0          8.0          9.0
## 3077    1.0     7.0         6.0          9.0          9.0
## 3078    6.0     9.0         7.0          9.0          8.0
## 3079    7.0     8.0         6.0          9.0          7.0
## 3080    8.0     7.0         7.0          8.0          7.0
## 3081    8.0     9.0         9.0          5.0          8.0
## 3082    6.0     7.0         7.0          7.0          6.0
## 3083    2.0     7.0         6.0          7.0          8.0
```

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## 3084     7.0       7.0          4.0          5.0          8.0
## 3085     4.0       3.0          3.0          5.0          6.0
## 3086     4.0      10.0          2.0          8.0          5.0
## 3087     7.0       9.0          6.0          9.0          6.0
## 3088     7.0       7.0          6.0          6.0          6.0
## 3089     5.0       8.0          5.0          7.0          6.0
## 3090     3.0       8.0          6.0          6.0          8.0
## 3091     6.0       8.0          4.0          6.0          2.0
## 3092     7.0       7.0          9.0          5.0          1.0
## 3093     7.0       7.0          7.0          6.0          7.0
## 3094     8.0       7.0          4.0          8.0          6.0
## 3095    10.0      10.0         10.0          7.0          6.0
## 3096     7.0       8.0          6.0          5.0          8.0
## 3097     7.0       7.0          6.0          3.0          3.0
## 3098     5.0       9.0          7.0          6.0          5.0
## 3099     7.0       7.0          6.0          8.0          8.0
## 3100     7.0       6.0          7.0          9.0          7.0
## 3101     8.0       9.0          6.0          6.0          4.0
## 3102     9.0       8.0          7.0          6.0          7.0
## 3103     4.0       5.0          2.0          6.0          5.0
## 3104     7.0       7.0          4.0          6.0          6.0
## 3105     7.0       6.0          6.0          4.0          5.0
## 3106     6.0       7.0          2.0          5.0          6.0
## 3107     7.0       8.0          6.0          7.0          7.0
## 3108     7.0       9.0          6.0          5.0          7.0
## 3109     8.0       8.0          5.0          4.0          6.0
## 3110     8.0       8.0          6.0          6.0          5.0
## 3111     7.0       7.0          8.0          7.0          7.0
## 3112     6.0       8.0          4.0          7.0          4.0
## 3113     6.0       8.0          7.0          6.0          8.0
## 3114     8.0       6.0          6.0          9.0          6.0
## 3115     9.0       9.0          5.0          8.0         10.0
## 3116     8.0       8.0          7.0          6.0          8.0
## 3117     7.0       8.0          6.0          5.0          6.0
## 3118     8.0       8.0          7.0          6.0          7.0
## 3119     7.0       8.0          5.0          3.0          5.0
## 3120     7.0       8.0          7.0          7.0          7.0
## 3121     8.0       8.0          7.0          4.0          5.0
## 3122     8.0       9.0          6.0          6.0          7.0
## 3123     5.0       5.0          3.0          5.0          8.0
## 3124     8.0       8.0          2.0          8.0          8.0
## 3125     6.0       6.0          6.0          3.0          7.0
## 3126     8.0       8.0          3.0          7.0          6.0
## 3127     7.0       7.0          6.0          7.0          7.0
## 3128     7.0       9.0          9.0          6.0          7.0
## 3129     9.0       8.0          8.0          4.0          7.0
## 3130    10.0       9.0          9.0          5.0          8.0
## 3131     9.0       7.0          8.0          3.0          3.0
## 3132     4.0       9.0          2.0          3.0          7.0
## 3133     7.0       7.0          7.0          6.0          8.0
## 3134    10.0      10.0         10.0          9.0          7.0
## 3135     9.0       9.0          9.0          8.0          7.0
## 3136     7.0       7.0          7.0          5.0          8.0
## 3137    10.0       7.0          6.0          6.0          9.0
```

```
## 3138    9.0     9.0     6.0     6.0     8.0
## 3139    7.0     8.0     6.0     8.0     7.0
## 3140    8.0     9.0     7.0     6.0     7.0
## 3141    7.0     9.0     6.0     4.0     6.0
## 3142    6.0     6.0     6.0     6.0     4.0
## 3143    2.0     3.0     3.0     5.0     7.0
## 3144    7.0     7.0     3.0     7.0     7.0
## 3145    5.0     5.0     5.0     3.0     3.0
## 3146    6.0     8.0     4.0     8.0     8.0
## 3147    7.0     7.0     6.0     8.0     7.0
## 3148    7.0     7.0     6.0     6.0     8.0
## 3149    8.0     9.0     7.0     4.0     6.0
## 3150    7.0     8.0     7.0     5.0     7.0
## 3151    6.0     6.0     5.0     4.0     4.0
## 3152    4.0     9.0     2.0     3.0     5.0
## 3153    8.0     8.0     7.0     4.0     5.0
## 3154    9.0     7.0     8.0     8.0     8.0
## 3155    9.0     9.0     9.0     8.0     8.0
## 3156    7.0     8.0     5.0     4.0     7.0
## 3157    9.0     5.0     5.0     5.0     8.0
## 3158    8.0    10.0     2.0     6.0     6.0
## 3159    7.0     8.0     6.0     6.0     8.0
## 3160    9.0    10.0     8.0     6.0     8.0
## 3161    6.0    10.0     5.0     6.0     7.0
## 3162    5.0     5.0     5.0     6.0     6.0
## 3163    2.0     7.0     6.0     6.0     7.0
## 3164    7.0     7.0     4.0     5.0     6.0
## 3165    8.0     8.0     5.0     6.0     9.0
## 3166    4.0     9.0     4.0     6.0     6.0
## 3167    6.0     9.0     6.0     4.0     7.0
## 3168    4.0     7.0     6.0     6.0     7.0
## 3169    6.0     7.0     3.0     4.0     8.0
## 3170    7.0    10.0     6.0     6.0     7.0
## 3171    2.0     3.0     2.0     4.0     7.0
## 3172    5.0     5.0     5.0     6.0     7.0
## 3173    9.0     7.0     7.0     7.0     7.0
## 3174    2.0     4.0     4.0     7.0     5.0
## 3175    8.0     8.0     8.0     8.0     6.0
## 3176    5.0     7.0     5.0     6.0     7.0
## 3177    1.0     7.0     1.0     6.0     6.0
## 3178    6.0    10.0     6.0     6.0     6.0
## 3179    6.0    10.0     6.0     7.0     6.0
## 3180    7.0     7.0     6.0     7.0     5.0
## 3181    6.0     7.0     7.0     1.0     5.0
## 3182    9.0     8.0     6.0     8.0     9.0
## 3183    3.0     6.0     6.0     6.0     7.0
## 3184    7.0     7.0     4.0     4.0     8.0
## 3185    6.0     6.0     5.0     3.0     4.0
## 3186    6.0    10.0     2.0     5.0     3.0
## 3187    9.0     7.0     8.0     8.0     8.0
## 3188    7.0     7.0     6.0     5.0     8.0
## 3189    8.0     9.0     4.0     2.0     8.0
## 3190    8.0     9.0     7.0     6.0     6.0
## 3191    9.0     8.0     7.0     3.0     5.0
```

```
## 3192     5.0      9.0          5.0          3.0          5.0
## 3193     8.0      8.0          8.0          3.0          9.0
## 3194     9.0      9.0          9.0          8.0          5.0
## 3195     8.0      8.0          8.0          6.0          8.0
## 3196     7.0      7.0          6.0          3.0          9.0
## 3197     7.0      9.0          6.0          6.0          8.0
## 3198     7.0     10.0          4.0          6.0          5.0
## 3199     8.0      9.0          7.0          4.0          8.0
## 3200     8.0     10.0          7.0          6.0          8.0
## 3201     8.0      8.0          6.0          3.0          5.0
## 3202     6.0      6.0          5.0          8.0          7.0
## 3203     3.0      3.0          6.0          8.0          7.0
## 3204     6.0      7.0          3.0          7.0          6.0
## 3205     5.0      5.0          6.0          9.0          8.0
## 3206     4.0     10.0          4.0          8.0          6.0
## 3207     7.0      6.0          6.0          6.0          6.0
## 3208     9.0      9.0          8.0          9.0          8.0
## 3209     8.0      8.0          5.0          7.0          6.0
## 3210     7.0      7.0          3.0          7.0          7.0
## 3211     7.0      6.0          6.0          5.0          8.0
## 3212     2.0      9.0          3.0          6.0          8.0
## 3213     7.0      7.0          7.0          6.0          8.0
## 3214     4.0      4.0          4.0          9.0          7.0
## 3215     9.0      9.0          9.0          9.0          8.0
## 3216     5.0      7.0          6.0          5.0          8.0
## 3217    10.0      7.0          6.0          5.0          8.0
## 3218     9.0      8.0          8.0          9.0          7.0
## 3219     6.0      6.0          5.0          7.0          6.0
## 3220     7.0      7.0          8.0          9.0          8.0
## 3221     8.0      8.0          7.0          5.0          4.0
## 3222     8.0     10.0          9.0          6.0          8.0
## 3223     8.0      7.0          3.0          8.0          6.0
## 3224    10.0     10.0         10.0          9.0          5.0
## 3225     4.0      4.0          5.0          3.0          6.0
## 3226     8.0      8.0          2.0          9.0          4.0
## 3227     7.0      7.0          6.0          8.0          8.0
## 3228     7.0      8.0          3.0          6.0          6.0
## 3229     9.0      8.0          6.0          6.0          6.0
## 3230     6.0      9.0          4.0          8.0          8.0
## 3231     8.0      7.0          8.0          6.0          3.0
## 3232     5.0      5.0          2.0          7.0          6.0
## 3233     7.0      7.0          8.0          5.0          9.0
## 3234     6.0      5.0          4.0          7.0          4.0
## 3235     7.0      8.0          7.0          8.0          8.0
## 3236     7.0      7.0          6.0          6.0          6.0
## 3237     1.0      7.0          1.0          6.0          7.0
## 3238     7.0     10.0          8.0          7.0          5.0
## 3239     8.0      7.0          7.0          6.0          8.0
## 3240    10.0      8.0          7.0          7.0          7.0
## 3241     6.0      7.0          6.0          5.0          5.0
## 3242     4.0      6.0          4.0          7.0          8.0
## 3243     3.0      3.0          6.0          6.0          6.0
## 3244    10.0     10.0         10.0         10.0         10.0
## 3245     4.0      4.0          2.0          3.0          6.0
```

```
## 3246     2.0      7.0         2.0         6.0       5.0
## 3247     5.0      8.0         6.0         8.0       8.0
## 3248     4.0      7.0         6.0         6.0       6.0
## 3249     7.0      9.0         6.0         6.0       7.0
## 3250     6.0      8.0         6.0         7.0       8.0
## 3251     5.0      6.0         6.0         6.0       7.0
## 3252     6.0      8.0         8.0         8.0       9.0
## 3253     7.0      7.0         7.0         6.0       7.0
## 3254     4.0      4.0         4.0         8.0       7.0
## 3255     7.0      8.0         7.0         7.0       7.0
## 3256     7.0      7.0         6.0         6.0       7.0
## 3257     1.0      7.0         5.0         6.0       7.0
## 3258    10.0      9.0         9.0         9.0       8.0
## 3259     6.0      6.0         6.0        10.0       9.0
## 3260     7.0      7.0         7.0         8.0       9.0
## 3261     7.0      8.0         6.0         6.0       7.0
## 3262     9.0      8.0         7.0         6.0       7.0
## 3263     3.0      7.0         9.0         7.0       8.0
## 3264     7.0      7.0         7.0         8.0       8.0
## 3265     7.0      6.0         5.0         6.0       8.0
## 3266     6.0      8.0         2.0         9.0       7.0
## 3267     7.0      7.0         6.0         8.0       7.0
## 3268     3.0      8.0         6.0         7.0       8.0
## 3269     9.0      7.0         5.0         7.0       8.0
## 3270     7.0     10.0         3.0         8.0       8.0
## 3271     6.0      8.0         7.0         7.0       8.0
## 3272     7.0      9.0         8.0         7.0       7.0
## 3273     7.0      7.0         7.0         7.0       7.0
## 3274     9.0      7.0         8.0         9.0       8.0
## 3275     8.0      8.0         7.0         7.0       8.0
## 3276     7.0      7.0         6.0         7.0       8.0
## 3277     9.0      9.0         6.0         8.0       8.0
## 3278     5.0      9.0         4.0         9.0       8.0
## 3279     7.0      7.0         7.0         8.0       8.0
## 3280     8.0      7.0         7.0         8.0       8.0
## 3281     7.0      8.0         6.0         4.0       8.0
## 3282     8.0      9.0         3.0         7.0       8.0
## 3283     6.0      7.0         5.0         4.0       6.0
## 3284     7.0      7.0         6.0         4.0       8.0
## 3285     5.0      4.0         4.0         3.0       7.0
## 3286     6.0      7.0         3.0         5.0       6.0
## 3287     9.0      7.0         9.0         4.0       8.0
## 3288     7.0      7.0         4.0         7.0       5.0
## 3289     6.0      9.0         6.0         5.0       8.0
## 3290     8.0      7.0         6.0         6.0       6.0
## 3291     8.0      8.0         5.0         6.0       7.0
## 3292     5.0      4.0         4.0         2.0       6.0
## 3293     5.0      7.0         4.0         3.0       7.0
## 3294     7.0      2.0         3.0         3.0       8.0
## 3295     8.0      6.0         4.0         7.0       6.0
## 3296     9.0      6.0         7.0         2.0       5.0
## 3297     9.0      7.0         7.0         3.0       7.0
## 3298     8.0      8.0         6.0         5.0       9.0
## 3299     5.0      7.0         6.0         6.0       7.0
```

## 3300	2.0	2.0	1.0	7.0	7.0
## 3301	6.0	6.0	5.0	4.0	6.0
## 3302	2.0	7.0	4.0	4.0	7.0
## 3303	3.0	7.0	3.0	3.0	7.0
## 3304	6.0	7.0	4.0	7.0	5.0
## 3305	6.0	7.0	5.0	4.0	7.0
## 3306	4.0	4.0	4.0	7.0	6.0
## 3307	3.0	8.0	6.0	5.0	6.0
## 3308	8.0	7.0	6.0	4.0	2.0
## 3309	4.0	3.0	1.0	7.0	8.0
## 3310	6.0	7.0	6.0	6.0	8.0
## 3311	4.0	7.0	5.0	2.0	6.0
## 3312	5.0	6.0	3.0	6.0	9.0
## 3313	6.0	6.0	3.0	7.0	8.0
## 3314	7.0	8.0	6.0	3.0	7.0
## 3315	7.0	7.0	6.0	6.0	8.0
## 3316	6.0	7.0	6.0	2.0	10.0
## 3317	5.0	8.0	6.0	8.0	8.0
## 3318	8.0	9.0	7.0	8.0	9.0
## 3319	6.0	6.0	4.0	8.0	9.0
## 3320	7.0	7.0	5.0	7.0	9.0
## 3321	6.0	5.0	3.0	5.0	8.0
## 3322	7.0	6.0	3.0	9.0	8.0
## 3323	9.0	8.0	9.0	6.0	8.0
## 3324	9.0	7.0	8.0	9.0	8.0
## 3325	4.0	8.0	8.0	6.0	8.0
## 3326	6.0	9.0	6.0	7.0	9.0
## 3327	3.0	6.0	3.0	7.0	6.0
## 3328	6.0	5.0	3.0	7.0	6.0
## 3329	5.0	7.0	6.0	5.0	9.0
## 3330	5.0	4.0	7.0	6.0	8.0
## 3331	6.0	3.0	4.0	8.0	8.0
## 3332	5.0	5.0	5.0	6.0	8.0
## 3333	6.0	6.0	5.0	7.0	8.0
## 3334	6.0	6.0	6.0	5.0	7.0
## 3335	9.0	9.0	6.0	7.0	7.0
## 3336	10.0	9.0	2.0	7.0	7.0
## 3337	7.0	7.0	4.0	5.0	7.0
## 3338	7.0	5.0	5.0	4.0	4.0
## 3339	8.0	3.0	4.0	4.0	5.0
## 3340	8.0	7.0	5.0	5.0	4.0
## 3341	10.0	9.0	10.0	5.0	5.0
## 3342	8.0	9.0	7.0	7.0	5.0
## 3343	5.0	8.0	6.0	5.0	5.0
## 3344	8.0	7.0	6.0	5.0	6.0
## 3345	9.0	9.0	7.0	5.0	7.0
## 3346	7.0	6.0	4.0	4.0	7.0
## 3347	7.0	7.0	5.0	4.0	9.0
## 3348	5.0	4.0	3.0	5.0	10.0
## 3349	8.0	7.0	5.0	10.0	6.0
## 3350	9.0	9.0	9.0	5.0	8.0
## 3351	8.0	8.0	8.0	8.0	6.0
## 3352	6.0	7.0	6.0	7.0	7.0
## 3353	8.0	7.0	7.0	4.0	6.0

```
## 3354    5.0      3.0          1.0             3.0          6.0
## 3355    7.0      7.0          6.0             3.0          2.0
## 3356    7.0      5.0          6.0             4.0          8.0
## 3357    6.0      3.0          5.0             1.0          7.0
## 3358    6.0      6.0          5.0             5.0          3.0
## 3359    9.0      7.0          8.0             3.0          5.0
## 3360    8.0      7.0          8.0             7.0          7.0
## 3361    8.0      8.0          8.0             3.0          6.0
## 3362    7.0      8.0          2.0             6.0          9.0
## 3363    5.0      5.0          5.0             8.0          8.0
## 3364    6.0      7.0          5.0             6.0          8.0
## 3365    2.0      1.0          0.0             7.0          8.0
## 3366    8.0      9.0          7.0             6.0          7.0
## 3367    6.0      6.0          8.0             6.0          9.0
## 3368    7.0      5.0          7.0             7.0          7.0
## 3369    7.0      6.0          6.0             7.0          7.0
## 3370    3.0      2.0          7.0             7.0          8.0
## 3371    7.0      9.0          5.0             6.0          8.0
## 3372    6.0      7.0          6.0             9.0          9.0
## 3373    9.0      9.0          9.0             4.0          6.0
## 3374    6.0      7.0          5.0             2.0          6.0
## 3375    8.0      9.0          8.0             8.0          8.0
## 3376    7.0      8.0          7.0             6.0          8.0
## 3377    6.0      5.0          5.0             8.0          6.0
## 3378    6.0      7.0          5.0             8.0          9.0
## 3379    5.0      9.0          5.0             8.0          5.0
## 3380    6.0      6.0          7.0             8.0          7.0
## 3381    4.0      8.0          3.0             7.0          6.0
## 3382    3.0      9.0          5.0             9.0          7.0
## 3383    8.0     10.0          6.0             7.0          8.0
## 3384    9.0     10.0          8.0             6.0          7.0
## 3385    8.0      7.0          7.0             6.0          8.0
## 3386    5.0      6.0          3.0             8.0          7.0
## 3387    7.0      8.0          5.0             9.0          8.0
## 3388    2.0      2.0          7.0             9.0          8.0
## 3389    5.0      6.0          2.0             3.0          6.0
## 3390    4.0      4.0          4.0             6.0          3.0
## 3391    5.0      7.0          7.0             2.0          3.0
## 3392    2.0      3.0          2.0             3.0          7.0
## 3393    9.0     10.0          6.0             6.0          6.0
## 3394    7.0      5.0          6.0             5.0          5.0
## 3395    5.0      5.0          4.0             5.0          7.0
## 3396    6.0      6.0          4.0             8.0          5.0
## 3397    6.0      7.0          6.0             8.0          7.0
## 3398    2.0      9.0          6.0             3.0          7.0
## 3399    5.0      5.0          2.0             8.0          7.0
## 3400    4.0      7.0          3.0             7.0          7.0
## 3401    6.0      8.0          2.0             5.0          6.0
## 3402    5.0      7.0          5.0             6.0          7.0
## 3403    5.0      6.0          7.0             5.0          8.0
## 3404    4.0      7.0          3.0             6.0          6.0
## 3405    9.0      6.0          7.0             5.0          6.0
## 3406    2.0      2.0          3.0             8.0          6.0
## 3407    8.0      6.0          2.0             5.0          7.0
```

```
## 3408     8.0      7.0          7.0          7.0          8.0
## 3409     8.0      9.0          6.0          6.0          6.0
## 3410     6.0      6.0          8.0          6.0          7.0
## 3411     8.0      9.0          7.0          6.0          8.0
## 3412     8.0      9.0          6.0          6.0          7.0
## 3413     7.0      6.0          5.0          6.0          7.0
## 3414     9.0      7.0          5.0          6.0          7.0
## 3415     7.0     10.0          3.0          8.0          7.0
## 3416     8.0      9.0          8.0          9.0          9.0
## 3417     2.0      5.0          2.0          9.0          8.0
## 3418     5.0      9.0          4.0          9.0          9.0
## 3419     4.0      3.0          2.0          6.0          9.0
## 3420     8.0     10.0          6.0          9.0          9.0
## 3421     6.0      8.0          5.0          6.0          7.0
## 3422     5.0      7.0          6.0          8.0          9.0
## 3423     6.0     10.0          5.0          2.0          9.0
## 3424     6.0     10.0          6.0          9.0          8.0
## 3425     5.0      8.0          7.0          5.0         10.0
## 3426     6.0      9.0          5.0          9.0         10.0
## 3427     6.0      7.0          8.0          3.0          8.0
## 3428     8.0     10.0          9.0          6.0         10.0
## 3429     9.0     10.0         10.0          8.0          8.0
## 3430     7.0      8.0          7.0          5.0          8.0
## 3431     6.0      5.0          7.0          6.0          7.0
## 3432     9.0     10.0          9.0          8.0         10.0
## 3433     6.0      9.0          7.0          7.0          8.0
## 3434     4.0      7.0          5.0          8.0          8.0
## 3435     7.0      8.0          5.0          8.0          9.0
## 3436     7.0      5.0          5.0          4.0          8.0
## 3437     5.0      7.0          6.0          6.0          8.0
## 3438     6.0      7.0          6.0          5.0          8.0
## 3439     6.0      6.0          7.0          7.0          8.0
## 3440     4.0      4.0          3.0          7.0          8.0
## 3441     6.0      8.0          5.0          7.0          8.0
## 3442     5.0      3.0          7.0          8.0          9.0
## 3443     7.0      6.0          3.0          6.0          6.0
## 3444     9.0      8.0          7.0          4.0          5.0
## 3445     6.0      6.0          7.0          7.0          6.0
## 3446     7.0      9.0          8.0          2.0          4.0
## 3447     6.0      7.0          6.0          2.0          1.0
## 3448     7.0      8.0          8.0          1.0          2.0
## 3449    10.0      8.0          4.0          4.0          2.0
## 3450     7.0      8.0          5.0          1.0          9.0
## 3451     8.0      5.0          5.0          4.0          6.0
## 3452     7.0      8.0          7.0          1.0          2.0
## 3453     9.0      9.0          9.0          6.0          1.0
## 3454     7.0      7.0          6.0          2.0          4.0
## 3455     5.0      4.0          4.0          1.0          1.0
## 3456     7.0      9.0          6.0          4.0          9.0
## 3457     7.0      6.0          6.0          1.0          2.0
## 3458     8.0      5.0          5.0          1.0          6.0
## 3459     5.0      7.0          2.0          2.0          6.0
## 3460     5.0      4.0          4.0          4.0          2.0
## 3461     9.0      8.0          7.0          1.0          7.0
```

```
## 3462    6.0     6.0     5.0     8.0     1.0
## 3463    8.0     7.0     8.0     2.0     8.0
## 3464    5.0     7.0     4.0     5.0     6.0
## 3465    7.0     7.0     8.0     6.0     7.0
## 3466    5.0     6.0     7.0     6.0     7.0
## 3467    2.0     6.0     3.0     6.0     6.0
## 3468    5.0     6.0     6.0     7.0     7.0
## 3469    5.0     8.0     3.0     5.0     6.0
## 3470    4.0     6.0     4.0     7.0     6.0
## 3471    3.0     7.0     2.0     5.0     6.0
## 3472    4.0     5.0     4.0     7.0     7.0
## 3473    6.0     7.0     6.0     7.0     7.0
## 3474    6.0     6.0     1.0     4.0     8.0
## 3475    3.0     7.0     6.0     7.0     7.0
## 3476    4.0     4.0     4.0     6.0     8.0
## 3477    7.0     7.0     6.0     6.0     7.0
## 3478    4.0     4.0     6.0     5.0     5.0
## 3479    4.0     4.0     5.0     5.0     5.0
## 3480    2.0     6.0     2.0     7.0     7.0
## 3481    5.0     5.0     4.0     6.0     7.0
## 3482    7.0     6.0     6.0     4.0     7.0
## 3483    6.0     7.0     7.0     5.0     7.0
## 3484    6.0     5.0     8.0     5.0     7.0
## 3485    7.0     8.0     5.0     6.0     6.0
## 3486    6.0     9.0     3.0     4.0     3.0
## 3487    6.0     5.0     6.0     8.0     7.0
## 3488    3.0     6.0     4.0     8.0     7.0
## 3489    6.0     7.0     6.0     9.0     5.0
## 3490    7.0     8.0     3.0     4.0     5.0
## 3491    7.0     8.0     4.0     9.0     8.0
## 3492    6.0     6.0     6.0     5.0     5.0
## 3493    6.0     5.0     5.0     6.0     3.0
## 3494    7.0     7.0     5.0     7.0     6.0
## 3495   10.0    10.0    10.0     6.0     6.0
## 3496    4.0     7.0     6.0     6.0     3.0
## 3497    8.0     8.0     8.0     3.0     5.0
## 3498    7.0     8.0     6.0     5.0     5.0
## 3499    8.0     7.0     9.0     5.0     6.0
## 3500    5.0     5.0     5.0     5.0     9.0
## 3501    7.0     6.0     5.0     5.0     7.0
## 3502    5.0     6.0     4.0     8.0     3.0
## 3503    7.0     7.0     7.0     5.0     7.0
## 3504    4.0     4.0     4.0     8.0     7.0
## 3505    6.0     5.0     6.0     4.0     4.0
## 3506    8.0     4.0     8.0     6.0     7.0
## 3507    4.0     6.0     4.0     6.0     6.0
## 3508    5.0     5.0     5.0     6.0     6.0
## 3509    5.0     4.0     6.0     6.0     6.0
## 3510    4.0     5.0     6.0     6.0     6.0
## 3511    5.0     5.0     2.0     5.0     5.0
## 3512    3.0     6.0     4.0     6.0     6.0
## 3513    5.0     6.0     7.0     6.0     6.0
## 3514    3.0     5.0     2.0     6.0     6.0
## 3515    5.0     5.0     5.0     6.0     7.0
```

## 3516	9.0	9.0	9.0	6.0	7.0
## 3517	8.0	7.0	6.0	6.0	7.0
## 3518	3.0	3.0	3.0	5.0	5.0
## 3519	7.0	8.0	7.0	5.0	6.0
## 3520	5.0	6.0	9.0	5.0	5.0
## 3521	4.0	5.0	5.0	6.0	6.0
## 3522	4.0	7.0	3.0	6.0	7.0
## 3523	4.0	4.0	5.0	6.0	6.0
## 3524	7.0	7.0	6.0	7.0	7.0
## 3525	4.0	6.0	4.0	6.0	7.0
## 3526	5.0	5.0	4.0	6.0	6.0
## 3527	5.0	5.0	8.0	7.0	7.0
## 3528	5.0	9.0	6.0	6.0	7.0
## 3529	6.0	5.0	6.0	6.0	6.0
## 3530	7.0	8.0	8.0	6.0	5.0
## 3531	7.0	7.0	6.0	6.0	6.0
## 3532	7.0	8.0	3.0	4.0	7.0
## 3533	6.0	9.0	6.0	8.0	7.0
## 3534	7.0	7.0	6.0	6.0	7.0
## 3535	3.0	10.0	2.0	6.0	5.0
## 3536	7.0	7.0	7.0	6.0	8.0
## 3537	9.0	9.0	9.0	5.0	7.0
## 3538	6.0	6.0	7.0	7.0	7.0
## 3539	6.0	6.0	6.0	7.0	8.0
## 3540	7.0	7.0	8.0	4.0	6.0
## 3541	6.0	5.0	5.0	7.0	4.0
## 3542	6.0	5.0	5.0	6.0	7.0
## 3543	8.0	7.0	7.0	7.0	7.0
## 3544	7.0	6.0	8.0	7.0	6.0
## 3545	7.0	6.0	6.0	5.0	6.0
## 3546	5.0	6.0	4.0	7.0	7.0
## 3547	6.0	7.0	4.0	5.0	6.0
## 3548	5.0	8.0	1.0	5.0	7.0
## 3549	8.0	8.0	8.0	5.0	7.0
## 3550	5.0	6.0	7.0	5.0	5.0
## 3551	5.0	3.0	6.0	3.0	5.0
## 3552	6.0	7.0	8.0	5.0	6.0
## 3553	5.0	5.0	6.0	2.0	7.0
## 3554	7.0	5.0	4.0	6.0	6.0
## 3555	6.0	5.0	7.0	3.0	4.0
## 3556	5.0	6.0	7.0	3.0	5.0
## 3557	8.0	8.0	7.0	7.0	7.0
## 3558	10.0	10.0	10.0	4.0	7.0
## 3559	8.0	7.0	7.0	6.0	7.0
## 3560	8.0	8.0	8.0	5.0	7.0
## 3561	7.0	7.0	6.0	3.0	5.0
## 3562	6.0	6.0	6.0	3.0	4.0
## 3563	5.0	6.0	5.0	4.0	5.0
## 3564	6.0	6.0	5.0	5.0	7.0
## 3565	7.0	6.0	6.0	7.0	8.0
## 3566	6.0	6.0	6.0	5.0	7.0
## 3567	7.0	10.0	5.0	7.0	7.0
## 3568	6.0	5.0	5.0	3.0	5.0
## 3569	8.0	8.0	6.0	5.0	3.0

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## 3570     6.0        7.0              6.0              8.0            6.0
## 3571     5.0        6.0              7.0              6.0            8.0
## 3572     8.0        8.0              5.0              7.0           10.0
## 3573     8.0        7.0              6.0              8.0            9.0
## 3574     7.0        7.0              6.0              4.0            6.0
## 3575     7.0        5.0              4.0              5.0            6.0
## 3576     9.0        6.0              6.0              5.0            9.0
## 3577     6.0        7.0              4.0              5.0            6.0
## 3578     8.0        8.0              7.0              7.0            9.0
## 3579     9.0        9.0              6.0              9.0           10.0
## 3580     9.0        7.0              6.0              6.0           10.0
## 3581     7.0        7.0              7.0              4.0           10.0
## 3582     7.0        7.0              8.0              5.0            4.0
## 3583     4.0        4.0              4.0              4.0            3.0
## 3584     5.0        5.0              5.0              6.0            5.0
## 3585     2.0        7.0              2.0              9.0            6.0
## 3586     6.0        6.0              4.0              4.0            7.0
## 3587     7.0        6.0              6.0              4.0            5.0
## 3588     9.0        6.0              7.0              9.0           10.0
## 3589     8.0        6.0              7.0              6.0            7.0
## 3590     6.0        8.0              4.0              7.0            8.0
## 3591     5.0        6.0              5.0              5.0            6.0
## 3592     7.0        7.0              6.0              7.0            8.0
## 3593    10.0       10.0             10.0              7.0            2.0
## 3594     9.0        7.0              6.0              7.0            3.0
## 3595     3.0        5.0              5.0              7.0            7.0
## 3596     3.0        4.0              2.0              5.0            1.0
## 3597     7.0        8.0              6.0              5.0            7.0
## 3598     4.0        9.0              8.0              7.0            8.0
## 3599     7.0        7.0              6.0              7.0            7.0
## 3600     9.0        9.0              9.0              6.0            9.0
## 3601     4.0        7.0              6.0              7.0            8.0
## 3602     9.0        9.0              9.0              6.0            8.0
## 3603     7.0        7.0              6.0              6.0            8.0
## 3604     6.0        6.0              4.0              6.0            6.0
## 3605     5.0        6.0              5.0              7.0            7.0
## 3606     5.0        5.0              5.0              7.0            8.0
## 3607     5.0        7.0              8.0              7.0            7.0
## 3608     6.0        6.0              6.0              6.0            8.0
## 3609     4.0        5.0              4.0              7.0            7.0
## 3610     4.0        6.0              4.0              6.0            6.0
## 3611     7.0        8.0              9.0              5.0            7.0
## 3612     6.0       10.0              2.0              6.0            8.0
## 3613     5.0        7.0              8.0              6.0            8.0
## 3614     7.0        5.0              6.0              7.0            7.0
## 3615     8.0        7.0              6.0              9.0            9.0
## 3616     3.0        5.0              5.0              6.0            8.0
## 3617     8.0        7.0              5.0              9.0            7.0
## 3618     7.0        8.0              7.0              7.0            9.0
## 3619     5.0        9.0              5.0              4.0            7.0
## 3620     9.0        9.0              9.0              7.0            8.0
## 3621     7.0        7.0              7.0              4.0            7.0
## 3622     6.0        7.0              6.0              7.0            8.0
## 3623     6.0        6.0              6.0              6.0            9.0
```

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## 3624    7.0      7.0         8.0         4.0       8.0
## 3625    6.0      6.0         6.0         5.0       6.0
## 3626    4.0      5.0         5.0         8.0       8.0
## 3627    2.0      5.0         2.0         7.0       7.0
## 3628    7.0      8.0         5.0         7.0       9.0
## 3629    6.0      6.0         7.0         6.0       7.0
## 3630    5.0      6.0         4.0         8.0       8.0
## 3631    6.0      6.0         4.0         7.0       7.0
## 3632    5.0      5.0         4.0         6.0       8.0
## 3633    5.0      4.0         5.0         5.0       6.0
## 3634    5.0      6.0         7.0         8.0       8.0
## 3635    7.0      5.0         8.0         8.0      10.0
## 3636    7.0      7.0         7.0         8.0       8.0
## 3637    5.0      5.0         2.0         5.0       7.0
## 3638    9.0      7.0         8.0         8.0       6.0
## 3639    7.0      7.0         7.0         4.0       8.0
## 3640    3.0      5.0         3.0         6.0       8.0
## 3641    7.0      7.0         6.0         5.0       7.0
## 3642    6.0      6.0         6.0         3.0       6.0
## 3643    5.0      6.0         6.0         3.0       5.0
## 3644    6.0      6.0         6.0         5.0       7.0
## 3645    7.0      7.0         9.0         4.0       5.0
## 3646    4.0      5.0         7.0         6.0       4.0
## 3647    5.0      6.0         5.0         7.0       6.0
## 3648    2.0      7.0         2.0         6.0       7.0
## 3649    6.0      7.0         3.0         7.0       8.0
## 3650    7.0      6.0         6.0         4.0       8.0
## 3651    4.0      6.0         4.0         6.0       6.0
## 3652    6.0      5.0         5.0         7.0       6.0
## 3653    9.0      8.0         5.0         9.0       9.0
## 3654    6.0      2.0         5.0         7.0       7.0
## 3655    5.0      8.0         7.0         6.0       8.0
## 3656    3.0      6.0         6.0         7.0       7.0
## 3657    5.0      7.0         6.0         8.0       7.0
## 3658    7.0      7.0         2.0         6.0       8.0
## 3659    3.0      7.0         4.0         7.0       7.0
## 3660    5.0      7.0         4.0         6.0       9.0
## 3661    5.0      3.0         4.0         6.0       7.0
## 3662    7.0      7.0         7.0         8.0       8.0
## 3663   10.0     10.0        10.0         6.0       7.0
## 3664    6.0      7.0         6.0         8.0       8.0
## 3665    7.0      7.0         7.0         6.0       8.0
## 3666    7.0      7.0         6.0         7.0       9.0
## 3667    6.0      5.0         6.0         6.0       7.0
## 3668    6.0      5.0         5.0         9.0       8.0
## 3669    7.0      6.0         8.0         8.0       8.0
## 3670    5.0      6.0         3.0         6.0       6.0
## 3671    7.0      6.0         6.0         7.0       8.0
## 3672    4.0      5.0         4.0        10.0       9.0
## 3673    4.0      4.0         3.0         8.0       8.0
## 3674    9.0      7.0         4.0         8.0      10.0
## 3675    9.0      8.0         9.0         8.0       9.0
## 3676    5.0      7.0         7.0         5.0      10.0
## 3677    8.0      7.0         8.0         5.0       9.0
```

```
## 3678     8.0      7.0       3.0           8.0           8.0
## 3679     8.0      8.0       2.0           4.0           7.0
## 3680     9.0      6.0       4.0           9.0           9.0
## 3681     8.0      7.0       5.0           6.0           9.0
## 3682     7.0      8.0       6.0           7.0           4.0
## 3683     8.0      8.0       8.0           9.0           9.0
## 3684     1.0      1.0       1.0           8.0          10.0
## 3685     6.0      7.0       6.0           6.0          10.0
## 3686     6.0      6.0       6.0           6.0          10.0
## 3687     7.0      5.0       8.0           6.0          10.0
## 3689     7.0      6.0       7.0           5.0          10.0
## 3690     8.0      5.0       7.0           6.0          10.0
## 3691     7.0      7.0       8.0           8.0           9.0
## 3692     8.0      6.0       6.0           4.0          10.0
## 3693     8.0      7.0       6.0          10.0           8.0
## 3694     8.0      7.0       5.0           9.0           9.0
## 3695     5.0      7.0       3.0           3.0           6.0
## 3696     8.0      9.0       8.0           6.0           8.0
## 3697     7.0      5.0       6.0           5.0           6.0
## 3698     8.0      5.0       7.0           5.0           6.0
## 3699     7.0      7.0       6.0           6.0           6.0
## 3700     5.0      5.0       2.0           3.0           6.0
## 3701     7.0      6.0       6.0           7.0           8.0
## 3702     8.0      7.0       7.0           5.0           7.0
## 3703     3.0      3.0       2.0           4.0           4.0
## 3704     7.0      7.0       7.0           8.0           8.0
## 3705    10.0     10.0      10.0           4.0           8.0
## 3706     4.0      7.0       6.0           7.0           8.0
## 3707     7.0      7.0       7.0           2.0           5.0
## 3708     7.0      7.0       6.0           4.0           7.0
## 3709     8.0      7.0      10.0           2.0           3.0
## 3710     3.0      3.0       5.0           8.0           7.0
## 3711     5.0      6.0       7.0           6.0           8.0
## 3712     5.0      7.0       4.0           5.0           6.0
## 3713     6.0      6.0       6.0           7.0           6.0
## 3714     7.0      7.0       4.0           6.0           7.0
## 3715     6.0      6.0       3.0           3.0           7.0
## 3716     4.0      8.0       9.0           6.0           6.0
## 3717     0.0      4.0       2.0           5.0           6.0
## 3718     4.0      5.0       7.0           8.0           6.0
## 3719     2.0      3.0       4.0           6.0           5.0
## 3720     5.0      9.0       3.0           5.0           6.0
## 3721     5.0      5.0       8.0           5.0           6.0
## 3722     3.0      4.0       3.0           6.0           4.0
## 3723     3.0      8.0       3.0           8.0          10.0
## 3724     5.0      3.0       3.0           9.0           6.0
## 3725     0.0      7.0       0.0           9.0           8.0
## 3727     3.0      3.0       6.0           8.0           8.0
## 3728     7.0      7.0       7.0           5.0           6.0
## 3729     7.0      7.0       4.0           6.0           8.0
## 3730     5.0      5.0       6.0           6.0           8.0
## 3731     3.0      5.0       3.0           6.0           7.0
## 3732     3.0      3.0       2.0           6.0           6.0
## 3733     3.0      5.0       4.0           9.0           5.0
```

```
## 3734     6.0      6.0          6.0          6.0      7.0
## 3735     3.0      5.0          3.0          9.0      6.0
## 3736     3.0      4.0          2.0          6.0      8.0
## 3737     7.0      7.0          6.0          5.0      8.0
## 3738     8.0      7.0          9.0          4.0      4.0
## 3739     6.0      6.0          8.0          5.0      0.0
## 3740     5.0      4.0          3.0          4.0      6.0
## 3741     7.0      7.0          6.0          4.0      8.0
## 3742     8.0      8.0          3.0          4.0      7.0
## 3743     7.0      7.0          4.0          7.0      9.0
## 3744     8.0      5.0          5.0          3.0      6.0
## 3745     8.0      7.0          8.0          4.0      7.0
## 3746     7.0      7.0          7.0          4.0      8.0
## 3747    10.0     10.0         10.0          2.0      7.0
## 3748     7.0      7.0          6.0          6.0      6.0
## 3749     7.5      7.5          7.5          2.0      6.0
## 3750     7.0      7.0          9.0          4.0      9.0
## 3751     7.0      6.0          6.0          2.0      2.0
## 3752     6.0      5.0          5.0          6.0      8.0
## 3753     8.0      3.0          6.0          7.0      9.0
## 3754     7.0      7.0          8.0          8.0      5.0
## 3755     8.0      5.0          8.0          7.0      8.0
## 3756     5.0      7.0          4.0          6.0      7.0
## 3757     5.0      4.0          3.0          4.0      5.0
## 3758     6.0      5.0          7.0          4.0      5.0
## 3759     2.0      4.0          2.0          4.0      6.0
## 3760     5.0      6.0          5.0          6.0      5.0
## 3761     5.0      3.0          4.0          5.0      6.0
## 3762     7.0      8.0          6.0          6.0      6.0
## 3763     5.0      5.0          6.0          4.0      6.0
## 3764     4.0      5.0          4.0          6.0      5.0
## 3765     5.0      5.0          5.0          4.0      7.0
## 3766     7.0      8.0          3.0          4.0      6.0
## 3767     8.0      7.0          8.0          6.0      5.0
## 3768     5.0      5.0          5.0          3.0      7.0
## 3769     6.0      7.0          6.0          3.0      6.0
## 3770     6.0      6.0          6.0          3.0      6.0
## 3771     7.0      7.0          6.0          3.0      7.0
## 3772     9.0      6.0         10.0          3.0      7.0
## 3773     3.0      3.0          3.0          5.0      5.0
## 3774     5.0      6.0          3.0          5.0      5.0
## 3775     5.0      3.0          3.0          4.0      6.0
## 3776     7.0      6.0          6.0          4.0      7.0
## 3777     4.0      5.0          4.0          5.0      5.0
## 3778     7.0      8.0          6.0          4.0      7.0
## 3779     6.0      9.0          6.0          9.0      9.0
## 3780     8.0     10.0          9.0          8.0      7.0
## 3781     7.0      8.0          6.0          8.0      7.0
## 3782     8.0      7.0          7.0          7.0      8.0
## 3783     8.0      8.0          6.0          7.0      8.0
## 3784     7.0      7.0          6.0          6.0      8.0
## 3785     8.0      9.0          6.0          9.5      9.0
## 3786     7.0      7.0          7.0          5.0      8.0
## 3787     8.0     10.0          5.0          5.0      6.0
```

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## 3788     9.0      9.0          9.0          7.0          5.0
## 3789    10.0     10.0         10.0          5.0          7.0
## 3790     6.0      7.0          6.0          8.0          8.0
## 3791     8.5      8.5          8.5          6.0          8.0
## 3792     7.0      7.0          6.0          5.0          6.0
## 3793     9.0      7.0          9.0          5.0          5.0
## 3794     5.0      5.0          5.0          7.0          7.0
## 3795     6.0      5.0          8.0          5.0          7.0
## 3796     8.0      7.0          7.0          8.0          8.0
## 3797     9.0      8.0          8.0          5.0          8.0
## 3798     7.0      7.0          6.0          9.0          8.0
## 3799     6.0      6.0          7.0          7.0          8.0
## 3800     5.0      6.0          7.0          6.0          8.0
## 3801     7.0      6.0          7.0          8.0          8.0
## 3802     5.0      7.0          8.0          6.0          7.0
## 3803     9.0      7.0          8.0          6.0          8.0
## 3804     8.0      7.0          2.0          8.0          7.0
## 3805     7.0      9.0          2.0          5.0          8.0
## 3806     8.0      9.0          4.0          8.0          7.0
## 3807     8.0      7.0          6.0          5.0          9.0
## 3808     7.0      7.0          8.0          6.0          6.0
## 3809     8.0      7.0          6.0          6.0          8.0
## 3810     9.0      9.0          9.0          7.0         10.0
## 3811     6.0      7.0          6.0          6.0          8.0
## 3812     8.0      8.0          8.0          6.0          9.0
## 3813     7.0      9.0          6.0          7.0          8.0
## 3814     8.0      8.0          7.0          6.0          8.0
## 3815     6.0      5.0          5.0          7.0          9.0
## 3816     9.0      8.0          9.0          8.0          8.0
## 3817     6.0      5.0          5.0          9.0          6.0
## 3818     6.0      6.0          7.0          7.0          8.0
## 3819     6.0      7.0          5.0          8.0          7.0
## 3820     7.0      6.0          6.0          8.0          6.0
## 3821     5.0      7.0          5.0          5.0          6.0
## 3822     4.0      5.0          4.0          4.0          5.0
## 3823     6.0      7.0          8.0          5.0          8.0
## 3824     7.0      5.0          5.0          7.0          7.0
## 3825     7.0      7.0          7.0          5.0          6.0
## 3826     7.0      8.0          2.0          5.0          6.0
## 3827     8.0      7.0          4.0          6.0          6.0
## 3828     8.0      7.0          7.0          6.0          7.0
## 3829     6.0      9.0          9.0          6.0          6.0
## 3830     9.0      9.0          9.0          6.0          7.0
## 3831     5.0      9.0          9.0          5.0          7.0
## 3832     6.0      7.0          6.0          5.0          7.0
## 3833     6.0      6.0          6.0          4.0          5.0
## 3834     8.0      8.0          6.0          5.0          6.0
## 3835     7.0      5.0          6.0          4.0          6.0
## 3836     6.0      5.0          3.0          6.0          7.0
## 3837     5.0      5.0          5.0          6.0          5.0
## 3838     5.0      5.0          6.0          5.0          6.0
## 3839     7.0      6.0          6.0          4.0          5.0
## 3840     4.0      5.0          4.0          7.0          7.0
## 3841     5.0      5.0          5.0          6.0          5.0
```

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## 3842     6.0          4.0              4.0              6.0          6.0
## 3843     6.0          5.0              7.0              5.0          4.0
## 3844     6.0          6.0              5.0              6.0          4.0
## 3845     9.0          8.0              8.0              4.0          4.0
## 3846     8.0          7.0              6.0              6.0          5.0
## 3847     5.0          8.0              2.0              4.0          4.0
## 3848     4.0          6.0              3.0              7.0          6.0
## 3849     5.0          4.0              5.0              5.0          4.0
## 3850     4.0          6.0              2.0              4.0          5.0
## 3851     8.0          8.0              8.0              7.0          7.0
## 3852     9.0          9.0              9.0              4.0          6.0
## 3853     5.0          7.0              6.0              5.0          3.0
## 3854     6.0          6.0              6.0              4.0          6.0
## 3855     7.0          7.0              6.0              5.0          6.0
## 3856     9.0          6.0              7.0              4.0          4.0
## 3857     3.0          3.0              3.0              7.0          6.0
## 3858     3.0          2.0              1.0              4.0          7.0
## 3859     6.0          5.0              4.0              6.0          7.0
## 3860     6.0          5.0              6.0              4.0          7.0
## 3861     7.0          7.0              6.0              7.0          7.0
## 3862     8.0          5.0              7.0              6.0          7.0
## 3863     7.0          6.0              5.0              4.0          4.0
## 3864     7.0          8.0              7.0              4.0          6.0
## 3865     6.0          7.0              7.0              7.0          6.0
## 3866     6.0          8.0              6.0              6.0          8.0
## 3867     6.0          7.0              6.0              7.0          7.0
## 3868     4.0          5.0              2.0              5.0          4.0
## 3869     7.0          6.0              5.0              8.0          9.0
## 3870     6.0          7.0              5.0              2.0          4.0
## 3871     6.0          5.0              4.0              7.0          6.0
## 3872     8.0          7.0              7.0              6.0          7.0
## 3873    10.0         10.0             10.0              5.0          7.0
## 3874     6.0          7.0              6.0              3.0          4.0
## 3875     8.0          8.0              8.0              4.0          4.0
## 3876     8.0          9.0              6.0              3.0          2.0
## 3877     8.0          7.0              6.0              2.0          2.0
## 3878     4.0          4.0              4.0              5.0          5.0
## 3879     6.0          3.0              2.0              6.0          6.0
## 3880     6.0          5.0              3.0              7.0          6.0
## 3881     6.0          7.0              7.0              5.0          6.0
## 3882     9.0          7.0              7.0              6.0          8.0
## 3883     7.0          5.0              6.0              6.0          6.0
## 3884     6.0          5.0              2.0              4.0          8.0
## 3885     6.0          7.0              5.0              1.0          7.0
## 3886     2.0          5.0              2.0              8.0          8.0
## 3887     6.0          6.0              6.0              6.0          5.0
## 3888     5.0          5.0              5.0              7.0          6.0
## 3889     6.0          8.0              0.0              7.0          6.0
## 3890     4.0          4.0              3.0              8.0          7.0
## 3891     6.0          7.0              4.0              4.0          5.0
## 3892     5.0          8.0              7.0              2.0          8.0
## 3893     6.0          5.0              7.0              2.0          7.0
## 3894     9.0          8.0              7.0              2.0          8.0
## 3895     9.0         10.0              5.0              2.0          8.0
```

```
## 3896     5.0        6.0            3.0             5.0          6.0
## 3897     4.0        4.0            9.0             5.0          7.0
## 3898     4.0        8.0            2.0             8.0          8.0
## 3899     5.0        5.0            5.0             9.0          7.0
## 3900     8.0        7.0            7.0            10.0          9.0
## 3901     6.0        9.0            8.0             9.0          9.0
## 3902     4.0        5.0            6.0             4.0          7.0
## 3903     5.0        5.0            6.0             7.0          6.0
## 3904     6.0        7.0            6.0             9.0          8.0
## 3905     6.0        6.0            6.0             7.0          9.0
## 3906     7.0        7.0            8.0             5.0          6.0
## 3907     3.0        4.0            2.0             6.0          7.0
## 3908     6.0        6.0            6.0             2.0          4.0
## 3909     5.0        6.0            4.0             4.0          8.0
## 3910     7.0        7.0            2.0             6.0          8.0
## 3911     2.0        5.0            6.0             7.0          6.0
## 3912     5.0        5.0            3.0             8.0          7.0
## 3913     8.0        7.0            6.0             3.0          7.0
## 3914     6.0        6.0            6.0             3.0          0.0
## 3915     7.0        8.0            4.0             4.0          6.0
## 3916     7.0        8.0            5.0             7.0          8.0
## 3917     8.0        7.0            6.0             6.0          7.0
## 3918     4.0        4.0            3.0             4.0          3.0
## 3919     4.0        4.0            1.0             8.0          9.0
## 3920     5.0        5.0            4.0             3.0          2.0
## 3921     8.0        8.0            8.0             8.0          9.0
## 3922     7.0        6.0            7.0             8.0          9.0
## 3923     5.0        5.0            4.0             4.0          6.0
## 3924     5.0        5.0            6.0             6.0          0.0
## 3925     8.0        9.0            8.0             8.0          7.0
## 3926     4.0        9.0            3.0             7.0          8.0
## 3927     5.0        6.0            5.0             6.0          6.0
## 3928     5.0        4.0            3.0             5.0          5.0
## 3929     6.0        7.0            6.0             5.0          5.0
## 3930     4.0        6.0            5.0             6.0          5.0
## 3931     6.0        6.0            6.0             6.0          6.0
## 3932     5.0        4.0            2.0             7.0          6.0
## 3934     6.0        7.0            6.0             5.0          6.0
## 3935     8.0        7.0            7.0             6.0          6.0
## 3936     5.0        8.0            5.0             4.0          7.0
## 3937     7.0        7.0            7.0             6.0          6.0
## 3938     5.0        8.0            5.0             5.0          8.0
## 3939     5.0        6.0            8.0             6.0          6.0
## 3940     3.0        7.0            6.0             6.0          6.0
## 3941     4.0        7.0            4.0             5.0          6.0
## 3942     6.0        7.0            6.0             9.0          7.0
## 3943     4.0       10.0            4.0             8.0          6.0
## 3944     5.0        6.0            4.0             7.0          6.0
## 3945     5.0        4.0            4.0             7.0          5.0
## 3946     7.0        7.0            6.0             7.0          4.0
## 3947     5.0        5.0            1.0             6.0          9.0
## 3948     6.0        7.0            4.0             4.0          7.0
## 3949     5.0        5.0            3.0             3.0          8.0
## 3950     6.0        6.0            6.0             7.0          6.0
```

```
## 3951    7.0    6.0    5.0     7.0     8.0
## 3952    6.0    6.0    2.0     6.0     5.0
## 3953    6.0    3.0    9.0     6.0    10.0
## 3954    8.0    5.0    7.0    10.0    10.0
## 3955    7.0    8.0    6.0     7.0     7.0
## 3956    8.0    7.0    8.0     8.0    10.0
## 3957    8.0    7.0    6.0     5.0     6.0
## 3958    7.0    7.0    3.0     8.0     5.0
## 3959    6.0    6.0    6.0     8.0     9.0
## 3960    4.0    6.0    8.0     3.0     4.0
## 3961    5.0    4.0    1.0     9.0     9.0
## 3962    6.0    7.0    6.0     5.0     8.0
## 3963    7.0    8.0    8.0     8.0     9.0
## 3964    6.0    8.0    3.0     9.0    10.0
## 3965    7.0    6.0    8.0     7.0     9.0
## 3966    4.0    4.0    5.0     7.0     4.0
## 3967    7.0    8.0    6.0     7.0     6.0
## 3968    1.0    9.0    5.0     6.0     8.0
## 3969    8.0    7.0    5.0     5.0     7.0
## 3970    7.0    5.0    4.0     6.0     7.0
## 3971    6.0    6.0    6.0     6.0     6.0
## 3972    6.0    7.0    4.0     7.0     7.0
## 3973    6.0    6.0    7.0     7.0     6.0
## 3974    5.0    4.0    9.0     8.0     7.0
## 3975   10.0    7.0    7.0     8.0     8.0
## 3976   10.0    8.0    3.0     7.0     8.0
## 3977    8.0    7.0    6.0     6.0     7.0
## 3978    7.0    6.0    7.0     5.0     5.0
## 3979    8.0    8.0    0.0     6.0     8.0
## 3980    7.0    6.0    6.0     6.0     6.0
## 3981    5.0    6.0    4.0     5.0     8.0
## 3982    4.0    3.0    6.0     7.0     7.0
## 3983    5.0    6.0    6.0     6.0     8.0
## 3984    6.0    7.0    7.0     9.0     8.0
## 3985    6.0    7.0    7.0     7.0     8.0
## 3986    6.0    7.0    7.0     7.0     7.0
## 3987    5.0    6.0    5.0     6.0     6.0
## 3988    7.0    8.0    7.0     7.0     6.0
## 3989    1.0    8.0    1.0     7.0     7.0
## 3990    5.0    7.0    6.0     5.0     7.0
## 3991    2.0    5.0    2.0     6.0     6.0
## 3992    5.0    5.0    5.0     7.0     6.0
## 3993    4.0    6.0    6.0     8.0     7.0
## 3994    5.0    8.0    0.0     5.0     5.0
## 3995    5.0    9.0    6.0     5.0     7.0
## 3996    6.0    5.0    6.0     6.0     5.0
## 3997    7.0    5.0    4.0     5.0     5.0
## 3998    6.0    6.0    4.0     5.0     5.0
## 3999    8.0    8.0    3.0     5.0     5.0
## 4000    7.0    7.0    3.0     8.0     8.0
## 4001    7.0    7.0    3.0     3.0     5.0
## 4002    5.0    5.0    7.0     5.0     5.0
## 4003    3.0    5.0    6.0     8.0     7.0
## 4004    5.0    5.0    5.0     8.0     7.0
```

```
## 4005    7.0      9.0          6.0          7.0          5.0
## 4006    6.0      8.0          3.0          5.0          6.0
## 4007    4.0      5.0          6.0          6.0          6.0
## 4008    4.0      4.0          2.0          5.0          5.0
## 4009    6.0     10.0          6.0          7.0          7.0
## 4010    1.0      8.0          7.0          6.5          8.0
## 4011    7.0      8.0          6.0          4.0          7.0
## 4012    6.0      8.0          4.0          6.0          5.0
## 4013    6.0      6.0          5.0          5.0          5.0
## 4014    6.0      7.0          7.0          7.0          7.0
## 4015    7.0      7.0          8.0          8.0          8.0
## 4016    8.0      7.0          7.0          7.0          6.0
## 4017    4.0      5.0          2.0          9.0          1.0
## 4018    9.0      8.0          6.0          6.0          7.0
## 4019    8.0      8.0          5.0          7.0          8.0
## 4020    7.0      6.0          4.0          6.0          8.0
## 4021    9.0      7.0          5.0          8.0          8.0
## 4022    8.0      7.0          5.0          7.0          7.0
## 4023    5.0      6.0          3.0          6.0          7.0
## 4024    6.0      5.0          3.0          8.0          7.0
## 4025    5.0      5.0          5.0          6.0          7.0
## 4026    8.0      9.0          8.0          8.0          9.0
## 4027    6.0     10.0          5.0          8.0          7.0
## 4028    5.0      5.0          5.0          7.0          8.0
## 4029    6.0      6.0          6.0          9.0          7.0
## 4030    8.0      7.0          7.0          7.0          9.0
## 4031    1.0      3.0          1.0          7.0          8.0
## 4032    4.0      5.0          6.0          2.0          7.0
## 4033    3.0      6.0          3.0          3.0          7.0
## 4034    6.0      7.0          5.0          8.0          7.0
## 4035    6.0      5.0          7.0          7.0          8.0
## 4036    5.0      5.0          6.0          6.0          6.0
## 4037    7.0      7.0          8.0          8.0          8.0
## 4038    5.0      5.0          2.0          7.0          7.0
## 4039    8.0      8.0          6.0          7.0          7.0
## 4040    7.0      8.0          7.0          7.0          7.0
## 4041    7.0      6.0          6.0          3.0          7.0
## 4042    9.0      7.0          3.0          6.0          7.0
## 4043    7.0      5.0          6.0          7.0          7.0
## 4044    5.0      8.0          4.0          3.0          7.0
## 4045    3.0      7.0          6.0          8.0          7.0
## 4046    4.0      7.0          4.0          5.0          5.0
## 4047    7.0      7.0          5.0          6.0          7.0
## 4048    8.0      8.0          8.0          8.0          8.0
## 4049    7.0      6.0          6.0          8.0          7.0
## 4050    4.0      4.0          6.0          6.0          6.0
## 4051    1.0      6.0          6.0          6.0          6.0
## 4052    6.0      6.0         10.0         10.0          8.0
## 4053    7.0      6.0          8.0          3.0          6.0
## 4054    2.0      4.0          2.0          6.0          5.0
## 4055    6.0      7.0          6.0          5.0          4.0
## 4056    5.0      6.0          5.0          7.0          5.0
## 4057    4.0      6.0          7.0          6.0          7.0
## 4058    2.0      3.0          3.0          5.0          7.0
```

```
## 4059    5.0     7.0         6.0         5.0         5.0
## 4060    4.0     6.0         5.0         6.0         7.0
## 4061    6.0     6.0         5.0         3.0         7.0
## 4062    7.0     6.0         7.0         6.0         7.0
## 4063    6.0     7.0         3.0         6.0         7.0
## 4064    3.0     6.0         5.0         5.0         4.0
## 4065    3.0     6.0         2.0         6.0         8.0
## 4066    3.0     7.0         5.0         9.0        10.0
## 4067    3.0     4.0         4.0         5.0         5.0
## 4068    5.0     5.0         4.0        10.0         8.0
## 4069    5.0    10.0         5.0         8.0        10.0
## 4070    5.0     5.0         6.0         7.0         9.0
## 4071    3.0     4.0         4.0         5.0         6.0
## 4072    7.0     9.0         8.0         9.0         6.0
## 4073    7.0     5.0         1.0         7.0         7.0
## 4074    7.0     7.0         7.0         6.0         6.0
## 4075    7.0     5.0         2.0         7.0         7.0
## 4076    7.0     7.0         6.0         6.0         7.0
## 4077    7.0     6.0         5.0         8.0         7.0
## 4078    7.0     7.0         6.0         8.0         8.0
## 4079    8.0     6.0         6.0         8.0         8.0
## 4080    8.0     6.0         4.0         7.0         7.0
## 4081    8.0     7.0         7.0        10.0         9.0
## 4082    8.0     8.0         5.0         7.0         7.0
## 4083    7.0     7.0         6.0         7.0         7.0
## 4084    9.0     9.0         8.0         8.0         8.0
## 4085    5.0     5.0         6.0         7.0         7.0
## 4086    8.0     6.0         2.0         7.0         7.0
## 4087    5.0     4.0         6.0         7.0         7.0
## 4088    6.0     7.0         7.0         8.0         8.0
## 4089    7.0     7.0         5.0         9.0         9.0
## 4090    7.0     6.0         5.0         8.0         7.0
## 4091    7.0     5.0         6.0         9.0         9.0
## 4092    7.0     5.0         6.0         8.0         8.0
## 4093    8.0     8.0         7.0         9.0         9.0
## 4094    1.0     1.0         1.0         9.0         9.0
## 4095    5.0     6.0         4.0         3.0         3.0
## 4096    5.0     5.0         5.0        10.0        10.0
## 4097    6.0     7.0         6.0         9.0         9.0
## 4098    4.0     5.0         4.0         9.0         9.0
## 4099    6.0     9.0         6.0        10.0        10.0
## 4100    6.0     7.0         7.0        10.0         9.0
## 4101    5.0     7.0         2.0        10.0         9.0
## 4102    5.0     6.0         6.0         7.0         7.0
## 4103    5.0     7.0         4.0         6.0         6.0
## 4104    7.0     7.0         5.0        10.0        10.0
## 4105    9.0     9.0         5.0         1.0         1.0
## 4106    8.0     6.0         4.0        10.0        10.0
## 4107    7.0     7.0         6.0        10.0        10.0
## 4108   10.0     5.0         6.0        10.0        10.0
## 4109    5.0     5.0         4.0         5.0         5.0
## 4110    6.0     5.0         5.0        10.0        10.0
## 4111    6.0     9.0         3.0         8.0         8.0
## 4112    5.0     6.0         5.0         5.0         5.0
```

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## 4113      4.0      5.0              4.0              10.0             9.0
## 4114      6.0      7.0              6.0              10.0             10.0
## 4115      1.0      7.0              2.0              7.0              7.0
## 4116      7.0      7.0              6.0              2.0              5.0
## 4117      3.0      3.0              3.0              3.0              4.0
## 4118      6.0      7.0              6.0              7.0              7.0
## 4119      7.0      7.0              6.0              7.0              6.0
## 4120      8.0      7.0              8.0              7.0              7.0
## 4121      9.0      4.0              5.0              7.0              7.0
## 4122      8.0      7.0              6.0              5.0              4.0
## 4123      8.0      7.0              4.0              6.0              6.0
## 4124      5.0      4.0              3.0              6.0              8.0
## 4125      6.0      7.0              6.0              5.0              9.0
## 4126      6.0      8.0              3.0              6.0              6.0
## 4127      6.0      6.0              5.0              6.0              6.0
## 4128      4.0      6.0              2.0              4.0              6.0
## 4129      8.0      5.0              5.0              6.0              8.0
## 4130      6.0      7.0              6.0              7.0              7.0
## 4131      6.0      8.0              6.0              7.0              7.0
## 4132      7.0      7.0              4.0              5.0              6.0
## 4133      6.0      5.0              6.0              6.0              6.0
## 4134      3.0      4.0              4.0              5.0              5.0
## 4135      5.0      6.0              5.0              5.0              6.0
## 4136      1.0      5.0              1.0              5.0              5.0
## 4137      6.0      7.0              6.0              5.0              5.0
## 4138      3.0      5.0              2.0              8.0              8.0
## 4139      5.0      5.0              5.0              3.0              3.0
## 4140      6.0      7.0              6.0              6.0              6.0
## 4141      7.0      7.0              8.0              8.0              8.0
## 4142      3.0      3.0              2.0              7.0              7.0
## 4143      4.0      7.0              4.0              9.0              9.0
## 4144      7.0      6.0              5.0              6.0              6.0
## 4145      5.0      6.0              5.0              6.0              6.0
## 4146      8.0      6.0              5.0              7.0              7.0
## 4147      7.0      8.0              6.0              6.0              6.0
## 4148      2.0      6.0              7.0              7.0              7.0
## 4149      2.0      5.0              2.0              7.0              7.0
## 4150      2.0      6.0              1.0              7.5              7.5
## 4151      6.0      5.0              4.0              6.0              6.0
## 4152      5.0      8.0              6.0              8.5              8.5
## 4153      6.0     10.0              5.0              8.0              8.0
## 4154      4.0      5.0              4.0              6.0              6.0
## 4155      4.0      5.0              6.0              6.0              6.0
## 4156      4.0      7.0              4.0              8.0              8.0
## 4157      2.0      4.0              1.0              9.0              8.0
## 4158      6.0      7.0              5.0              6.0              7.0
## 4159      3.0      5.0              3.0              7.0              7.0
## 4160      5.0      7.0              5.0              7.0              7.0
## 4161      6.0      5.0              5.0              6.0              7.0
## 4162      5.0      7.0              6.0              7.0              7.0
## 4163      2.0      3.0              3.0              8.0              7.0
## 4164      4.0      8.0              3.0              7.0              7.0
## 4165      5.0      5.0              5.0              7.0              7.0
## 4166      5.0      5.0              3.0              6.0              7.0
```

```
## 4167    7.0       6.0              5.0              7.0            7.0
## 4168    9.0      10.0              5.0              8.0            7.0
## 4169    7.0       5.0              5.0              8.0            7.0
## 4170    4.0       8.0              6.0              7.0            6.0
## 4171    3.0       7.0              5.0              7.0            7.0
## 4172    6.0       7.0              4.0              6.0            7.0
## 4173    6.0       6.0              4.0             10.0            7.0
## 4174    6.0       7.0              4.0              7.0            7.0
## 4175    4.0       6.0              5.0              7.0            7.0
## 4176    4.0       5.0              4.0              8.0            7.0
## 4177    7.0       6.0              5.0              9.0            8.0
## 4178    1.0       5.0              8.0              7.0            7.0
## 4179    5.0       5.0              6.0              4.0            7.0
## 4180    3.0       3.0              3.0              8.0            8.0
## 4181    5.0       5.0              5.0              7.0            7.0
## 4182    3.0       5.0              4.0              6.0            7.0
## 4183    3.0       7.0              3.0              8.0            6.0
## 4184    3.0       6.0              6.0              8.0            6.0
## 4185    4.0       8.0              2.0              7.0            6.0
## 4186    7.0      10.0              5.0              7.0            8.0
## 4187    5.0       6.0              4.0              4.0            6.0
## 4188    6.0       9.0              4.0              6.0            8.0
## 4189    7.0       7.0              6.0              4.0            8.0
## 4190    4.0       6.0              5.0              8.0            8.0
## 4191    5.0       6.0              3.0              5.0            9.0
## 4192    0.0       4.0              0.0              7.0            7.0
## 4193    4.0       6.0              5.0              9.0            9.0
## 4194    4.0       7.0              6.0              9.0            9.0
## 4195    8.0       9.0              2.0              8.0            8.0
## 4196    5.0       6.0              4.0              7.0            7.0
## 4197    4.0       4.0              4.0              9.0            6.0
## 4198    5.0       4.0              4.0             10.0            7.0
## 4199    1.0       6.0              4.0              4.0            6.0
## 4200    5.0       6.0              8.0              3.0            6.0
## 4201    6.0       8.0              2.0              5.0            5.0
## 4202    6.0       6.0              6.0              5.0            7.0
## 4203    6.0       5.0              5.0              6.0            6.0
## 4204    6.0       7.0              5.0              4.0            5.0
## 4205    4.0       6.0              2.0              5.0            6.0
## 4206    6.0       6.0              4.0              4.0            5.0
## 4207    7.0       7.0              6.0              4.0            6.0
## 4208    8.0       7.0              6.0              4.0            6.0
## 4209    8.0       6.0              6.0              4.0            7.0
## 4210    7.0       7.0              7.0              6.0            5.0
## 4211    7.0       7.0              6.0              3.0            4.0
## 4212    6.0       7.0              7.0              3.0            6.0
## 4213    7.0       5.0              6.0              7.0            6.0
## 4214    6.0       7.0              4.0              3.0            6.0
## 4215    7.0       7.0              6.0              5.0            5.0
## 4216    7.0       8.0              6.0              6.0            7.0
## 4217    6.0       5.0              6.0              4.0            6.0
## 4218    6.0       5.0              6.0              5.0            7.0
## 4219    7.0      10.0              5.0              7.0            4.0
## 4220    7.0       6.0              3.0              7.0            6.0
```

```
## 4221    7.0     7.0         8.0         2.0         3.0
## 4222    8.0     5.0         2.0         5.0         9.0
## 4223    7.0     6.0         5.0         7.0         4.0
## 4224    7.0     5.0         3.0         6.0         8.0
## 4225    9.0     9.0         3.0         7.0         8.0
## 4226   10.0     7.0         6.0         7.0         6.0
## 4227    7.0     7.0         5.0         4.0         3.0
## 4228    9.0     9.0         6.0         5.0         3.0
## 4229    9.0     8.0         6.0         4.0         2.0
## 4230    8.0     8.0         8.0         6.0         9.0
## 4231   10.0     8.0         5.0         7.0         9.0
## 4232    8.0     7.0         8.0         8.0         8.0
## 4233    6.0     6.0         1.0         3.0         4.0
## 4234    7.0     5.0         6.0         8.0         9.0
## 4235    6.0     6.0         5.0         7.0         6.0
## 4236    6.0     8.0         8.0        10.0         9.0
## 4237    7.0     7.0         4.0         9.0         9.0
## 4238    4.0     6.0         5.0         5.0         5.0
## 4239    7.0     5.0         6.0         5.0         5.0
## 4240    6.0     5.0         4.0         6.0         4.0
## 4241    1.0     7.0         1.0         8.0         7.0
## 4242    5.0     7.0         4.0         2.0         5.0
## 4243    2.0     3.0         2.0         3.0         6.0
## 4244    6.0     6.0         6.0         3.0         6.0
## 4245    6.0     5.0         7.0         7.0         8.0
## 4246    7.0     7.0         6.0         6.0         7.0
## 4247    6.0     7.0         6.0         7.0         7.0
## 4248    7.0     4.0         4.0         3.0         3.0
## 4249    6.0     8.0         5.0         4.0         6.0
## 4250    6.0     6.0         8.0         5.0         7.0
## 4251    6.0     7.0         5.0         3.0         5.0
## 4252    9.0     8.0         7.0         5.0         7.0
## 4253    7.0     7.0         5.0         3.0         5.0
## 4254    3.0     6.0         3.0         3.0         5.0
## 4255    2.0     4.0         0.0         4.0         7.0
## 4256    4.0     6.0         4.0         4.0         5.0
## 4257    8.0     8.0         8.0         9.0         8.0
## 4258    5.0     8.0         5.0         7.0         6.0
## 4259    4.0     6.0         5.0         4.0         6.0
## 4260    6.0     6.0         7.0         3.0         5.0
## 4261    7.0     8.0         6.0         8.0         6.0
## 4262    2.0     9.0         2.0         6.0        10.0
## 4263    6.0     8.0         6.0         5.0         9.0
## 4264    8.0     9.0         5.0         6.0         9.0
## 4265    7.0     7.0         6.0         5.0         9.0
## 4266    4.0     6.0         6.0         5.0         8.0
## 4267    8.0    10.0         2.0         6.0         7.0
## 4268    2.0     4.0         4.0         5.0         8.0
## 4269    6.0     7.0         4.0         6.0         7.0
## 4270    7.0    10.0         7.0         6.0         8.0
## 4271    7.0     8.0         6.0         6.0         7.0
## 4272    7.0     8.0         6.0         5.0        10.0
## 4273    8.0    10.0         2.0         5.0        10.0
## 4274    3.0     6.0         5.0         5.0         8.0
```

```
## 4275     6.0      7.0          3.0          4.0          9.0
## 4276     9.0      9.0          6.0          7.0          9.0
## 4277     6.0      7.0          7.0          6.0          9.0
## 4278     7.0      9.0          8.0          9.0          9.0
## 4279     8.0      9.0          8.0          6.0          8.0
## 4280     5.0      7.0          5.0          6.0          8.0
## 4281     6.0      5.0          6.0          5.0          8.0
## 4282     6.0     10.0          6.0          7.0          8.0
## 4283     1.0      8.0          1.0          6.0         10.0
## 4284     6.0      7.0          7.0          4.0         10.0
## 4285     5.0      7.0          3.0          5.0         10.0
## 4286     6.0      6.0          6.0          5.0         10.0
## 4287     7.0      6.0          5.0          6.0         10.0
## 4288     7.0      6.0          6.0          9.0         10.0
## 4289     9.0      8.0          6.0          7.0          9.0
## 4290     6.0      8.0          4.0          7.0          9.0
## 4291     8.0      9.0          6.0          5.0         10.0
## 4292     8.0      8.0          4.0          5.0          9.0
## 4293     6.0      6.0          5.0         10.0         10.0
## 4294    10.0     10.0          7.0          6.0         10.0
## 4295     7.0      6.0          6.0          6.0         10.0
## 4296     4.0      7.0          2.0          5.0          7.0
## 4297     6.0      4.0          0.0          7.0         10.0
## 4298     7.0      7.0          7.0          5.0         10.0
## 4299     8.0      8.0          7.0          8.0         10.0
## 4300     9.0      7.0          2.0          7.0          8.0
## 4301     6.0      6.0          6.0          7.0         10.0
## 4302     6.0      6.0          7.0          7.0         10.0
## 4303     7.0      8.0          7.0          6.0         10.0
## 4304     3.0      8.0          1.0          8.0          8.0
## 4305     6.0      6.0          5.0          4.0          6.0
## 4306     5.0      6.0          5.0          6.0          8.0
## 4307     6.0      6.0          6.0          5.0          7.0
## 4308     4.0      7.0          5.0          6.0          8.0
## 4309     5.0      5.0          6.0          7.0          7.0
## 4310     3.0      6.0          4.0          5.0          8.0
## 4311     6.0      8.0          3.0          5.0          5.0
## 4312     8.0      9.0          4.0          3.0          6.0
## 4313     6.0      5.0          5.0          5.0          6.0
## 4314     8.0      8.0          3.0          3.0          8.0
## 4315     4.0     10.0          3.0          4.0          8.0
## 4316     4.0      6.0          4.0          5.0          6.0
## 4317     4.0      8.0          3.0          4.0          5.0
## 4318     5.0      6.0          0.0          6.0          7.0
## 4319     5.0      6.0          5.0          7.0          6.0
## 4320     6.0      9.0          7.0          9.0          8.0
## 4321     7.0      7.0          5.0          8.0          6.0
## 4322     5.0      6.0          5.0          6.0          7.0
## 4323     7.0      7.0          6.0          8.0          7.0
## 4324     6.0      6.0          6.0          7.0          8.0
## 4325     8.0      7.0          8.0          4.0          9.0
## 4326    10.0     10.0          6.0          7.0          9.0
## 4327     6.0      7.0          5.0          5.0          6.0
## 4328     5.0      4.0          5.0          6.0          6.0
```

```
## 4329     7.0        8.0            8.0           6.0           8.0
## 4330     7.0        8.0            8.0           5.0           8.0
## 4331     6.0        6.0            6.0           4.0           9.0
## 4332     7.0        7.0            7.0           6.0           8.0
## 4333     8.0        7.0            6.0           8.0           9.0
## 4334     7.0        7.0            7.0           8.0           8.0
## 4335     6.0        5.0            5.0           3.0           8.0
## 4336     8.0        7.0            8.0           2.0           8.0
## 4337     7.0        9.0            6.0           4.0           5.0
## 4338     7.0        5.0            5.0           5.0           7.0
## 4339     8.0        7.0            7.0           4.0          10.0
## 4340    10.0        8.0            6.0           6.0           8.0
## 4341     5.0        6.0            4.0           6.0           9.0
## 4342     5.0        7.0            8.0           7.0           7.0
## 4343     3.0        4.0            2.0           5.0           7.0
## 4344     7.0        7.0            9.0           7.0           7.0
## 4345     5.0        5.0            4.0           6.0           8.0
## 4346     7.0        4.0            3.0           7.0           7.0
## 4347     6.0        5.0            3.0           5.0           7.0
## 4348     4.0        7.0            4.0           8.0           6.0
## 4349     6.0        4.0            7.0           5.0           9.0
## 4350     6.0        6.0            7.0           4.0           8.0
## 4351     5.0        5.0            6.0           5.0           9.0
## 4352     5.0        6.0            4.0           7.0           7.0
## 4353     7.0        6.0            7.0           5.0           5.0
## 4354     8.0       10.0            4.0           7.0           8.0
## 4355     7.0        6.0            6.0           6.0           5.0
## 4356     5.0        8.0            6.0           7.0           6.0
## 4357     4.0        8.0            2.0           6.0           6.0
## 4358     4.0        8.0            4.0           8.0           8.0
## 4359     5.0        8.0            5.0           5.0           5.0
## 4360     4.0        4.0            4.0           7.0           8.0
## 4361     8.0        7.0            5.0           9.0           8.0
## 4362     9.0        9.0            6.0           8.0          10.0
## 4363     5.0        5.0            6.0           5.0           5.0
## 4364     6.0        6.0            8.0           7.0           9.0
## 4365     5.0        7.0            6.0           5.0           5.0
## 4366     6.0        7.0            6.0           8.0           7.0
## 4367     8.0        6.0            7.0           5.0          10.0
## 4368     8.0        7.0            8.0           7.0           8.0
## 4369     8.0        7.0            6.0           7.0           8.0
## 4370     6.0        5.0            8.0           5.0           9.0
## 4371     6.0        3.0            2.0           5.0           5.0
## 4372     7.0        7.0            6.0           5.0           7.0
## 4373     6.0        6.0            5.0           5.0           7.0
## 4374     6.0        3.0            4.0           3.0           5.0
## 4375     7.0        7.0            5.0           7.0           7.0
## 4376     4.0        6.0            4.0           8.0           8.0
## 4377     6.0        7.0            5.0           3.0           8.0
## 4378     8.0        9.0            8.0           3.0          10.0
## 4379     5.0        5.0            6.0           3.0           7.0
## 4380     7.0        7.0            6.0           4.0           7.0
## 4381     8.0        7.0            7.0           6.0           8.0
## 4382     8.0        8.0            4.0           7.0           9.0
```

```
## 4383    8.0     6.0         4.0          7.0          7.0
## 4384    7.0     5.0         6.0          8.0          9.0
## 4385    5.0     5.0         4.0          8.0          9.0
## 4386    5.0     7.0         5.0          8.0          8.0
## 4387    4.0     4.0         4.0          6.0          8.0
## 4388    8.0     3.0         5.0          9.0          8.0
## 4389    4.0     4.0         3.0          9.0          9.0
## 4390    4.0     6.0         2.0          9.0          7.0
## 4391    6.0     6.0         5.0          6.0          7.0
## 4392    5.0     6.0         5.0          6.0          7.0
## 4393    5.0     5.0         6.0          6.0          7.0
## 4394    6.0     6.0         5.0          7.0          7.0
## 4395    8.0     6.0         8.0          8.0          9.0
## 4396    9.0     8.0         6.0          7.0          8.0
## 4397    6.0     6.0         5.0          8.0          8.0
## 4398    4.0     7.0         5.0         10.0          9.0
## 4399    7.0     6.0         3.0          8.0          9.0
## 4400    5.0     5.0         4.0          8.0          9.0
## 4401    5.0     6.0         4.0          8.0          9.0
## 4402    7.0     6.0         4.0          7.0          7.0
## 4403    8.0     5.0         5.0         10.0         10.0
## 4404    7.0     6.0         4.0          8.0          9.0
## 4405    7.0     4.0         5.0          7.0          9.0
## 4406   10.0     9.0         9.0          7.0          8.0
## 4407    6.0     5.0         6.0          7.0          9.0
## 4408    6.0     6.0         5.0          6.0          7.0
## 4409    7.0     6.0         7.0          6.0         10.0
## 4410    9.0     8.0         6.0         10.0         10.0
## 4411    5.0     7.0         4.0          6.0          9.0
## 4412    4.0     5.0         7.0          7.0         10.0
## 4413    4.0     4.0         2.0          8.0         10.0
## 4414    8.0     7.0         6.0          9.0         10.0
## 4415    4.0     5.0         4.0          4.0          9.0
## 4416    6.0     6.0         3.0          8.0         10.0
## 4417    7.0     7.0         8.0          8.0          9.0
## 4418    5.0     6.0         5.0         10.0          9.0
## 4419    6.0     5.0         5.0          7.0         10.0
## 4420    8.0     9.0         8.0          8.0         10.0
## 4421    2.0     2.0         6.0          8.0          9.0
## 4422    5.0     5.0         5.0          9.0          8.0
## 4423    7.0     6.0         8.0          5.0          6.0
## 4424    8.0    10.0         7.0          6.0          7.0
## 4425    6.0     7.0         4.0          3.0          7.0
## 4426    8.0     7.0         8.0          7.0          8.0
## 4427    5.0     8.0         3.0          5.0          6.0
## 4428    8.0     8.0         5.0          7.0          7.0
## 4429    7.0     5.0         6.0          7.0          6.0
## 4430    7.0     7.0         3.0          5.0          6.0
## 4431    4.0     5.0         3.0          6.0          6.0
## 4432    8.0     5.0         5.0          9.0          8.0
## 4433    6.0     7.0         6.0          5.0         10.0
## 4434    8.0     9.0        10.0          5.0          6.0
## 4435    2.0     9.0         6.0          5.0          6.0
## 4436    7.0     5.0         5.0          6.0          6.0
```

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## 4437     8.0        7.0            7.0            5.0           10.0
## 4438     4.0        4.0            0.0            4.0            9.0
## 4439     7.0        5.0            4.0            3.0            7.0
## 4440     0.0        3.0            8.0            7.0            9.0
## 4441     8.0        4.0            8.0           10.0           10.0
## 4442     8.0        6.0            5.0            6.0           10.0
## 4443     7.0        6.0            6.0            5.0            7.0
## 4444     4.0        7.0            2.0            7.0            6.0
## 4445     8.0        7.0            6.0            7.0            6.0
## 4446     6.0        7.0            4.0            7.0           10.0
## 4447     4.0        6.0            4.0            7.0            8.0
## 4448     6.0        8.0            5.0            2.0           10.0
## 4449    10.0        5.0            6.0            6.0            9.0
## 4450     8.0        7.0            7.0            7.0            6.0
## 4451     7.0        6.0            6.0            4.0            6.0
## 4452     9.0       10.0            6.0            7.0            8.0
## 4453     5.0        5.0            5.0            7.0            5.0
## 4454     8.0        5.0            8.0            8.0            7.0
## 4455     6.0        7.0            9.0            6.0           10.0
## 4456     8.0        9.0            6.0            7.0            8.0
## 4457     7.0        6.0            6.0            6.0            7.0
## 4458     7.0        6.0            3.0            5.0            6.0
## 4459     6.0        3.0            3.0            6.0            7.0
## 4460     8.0        7.0            9.0            7.0            7.0
## 4461     5.0        5.0            5.0            5.0            7.0
## 4462     9.0        8.0           10.0            3.0            6.0
## 4463     5.0        5.0            6.0            5.0            8.0
## 4464     6.0        6.0            6.0            4.0            6.0
## 4465     7.0        6.0            7.0            2.0            8.0
## 4466    10.0        8.0            4.0            6.0            7.0
## 4467     7.0        7.0            5.0            8.0            7.0
## 4468     5.0        5.0            5.0            7.0            7.0
## 4469     6.0        4.0            3.0            7.0            6.0
## 4470     8.0        6.0            6.0            6.0            9.0
## 4471     6.0        7.0            5.0            6.0            9.0
## 4472     8.0        3.0            3.0            6.0            8.0
## 4473     9.0        6.0            6.0            9.0            8.0
## 4474     8.0        8.0            7.0            7.0            7.0
## 4475     6.0        6.0            3.0            5.0            6.0
## 4476     9.0        8.0            8.0            3.0            6.0
## 4477     5.0        5.0            6.0            5.0            6.0
## 4478     6.0        5.0            5.0            5.0            5.0
## 4479     7.0        6.0            7.0            5.0            8.0
## 4480    10.0       10.0            5.0            7.0            9.0
## 4481     6.0        6.0            4.0            8.0            7.0
## 4482     5.0        6.0            7.0            9.0            8.0
## 4483     4.0        8.0            5.0            7.0            8.0
## 4484     5.0        6.0            4.0            7.0            7.0
## 4485     6.0        5.0            5.0            6.0            8.0
## 4486     6.0        4.0            5.0            5.0            9.0
## 4487     4.0        4.0            3.0            7.0            5.0
## 4488     8.0        5.0            5.0            8.0            5.0
## 4489     6.0        5.0            4.0            4.0            7.0
## 4490     5.0        8.0            6.0            4.0            6.0
```

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## 4491     5.0      9.0         6.0          7.0          7.0
## 4492     6.0      5.0         5.0          7.0          6.0
## 4493    10.0      8.0         7.0          9.0          9.0
## 4494     8.0      7.0         6.0          8.0          9.0
## 4495     6.0      7.0         3.0          7.0          6.0
## 4496     2.0      8.0         7.0          8.0          8.0
## 4497     5.0      5.0         2.0          7.0          8.0
## 4498     6.0      6.0         4.0          7.0          8.0
## 4499     8.0      5.0         6.0          6.0          8.0
## 4500    10.0      4.0         2.0          8.0          8.0
## 4501     3.0      4.0         2.0          7.0          8.0
## 4502     6.0      4.0         5.0          7.0          8.0
## 4503     4.0      5.0         4.0          5.0          6.0
## 4504     6.0      5.0         5.0          5.0          6.0
## 4505     4.0      4.0         6.0          6.0          6.0
## 4506     7.0      5.0         6.0          6.0          6.0
## 4507     8.0      7.0         7.0          3.0          6.0
## 4508    10.0      7.0         6.0          4.0          7.0
## 4509     8.0      8.0         5.0          4.0          6.0
## 4510     7.0      5.0         6.0          7.5          8.0
## 4511     6.0      7.0         6.0          7.0          8.0
## 4512     8.0      8.0         8.0          8.0          9.0
## 4513     7.0      5.0         6.0          4.0          8.0
## 4514     9.0      5.0         4.0          6.5          8.0
## 4515     6.0      6.0         4.0          6.0          7.0
## 4516     6.0      8.0         9.0          7.0          6.0
## 4517     6.0      5.0         3.0          4.0          6.0
## 4518     7.0      5.0         6.0          3.0          8.0
## 4519     4.0      6.0         6.0          5.0          6.0
## 4520     8.0      7.0         7.0          4.0          7.0
## 4521     6.0      8.0         6.0          9.0          9.0
## 4522     6.0      6.0         6.0          8.0          9.0
## 4523     3.0      3.0         4.0          7.0          8.0
## 4524     7.0      8.0         8.0          8.0          9.0
## 4525     6.0      8.0         6.0          9.0          8.0
## 4526    10.0     10.0         5.0          8.0          9.0
## 4527     9.0     10.0         8.0          6.0          8.0
## 4528     2.0      9.0         2.0          7.0          9.0
## 4529     7.0     10.0         5.0          8.0          9.0
## 4530     5.0      8.0         6.0          8.0          9.0
## 4531     1.0      8.0         0.0          7.0          9.0
## 4532     7.0      7.0         6.0          8.0          9.0
## 4533     9.0      8.0         9.0         10.0         10.0
## 4534     5.0      5.0         4.0          8.0          9.0
## 4535     9.0      7.0         7.0         10.0         10.0
## 4536     9.0      7.0         6.0          9.0         10.0
## 4537     3.0      5.0         5.0          8.0         10.0
## 4538     8.0      8.0         8.0         10.0         10.0
## 4539     6.0      7.0         5.0          8.0         10.0
## 4540     7.0      7.0         7.0          7.0         10.0
## 4541    10.0      9.0         9.0         10.0         10.0
## 4542     5.0     10.0         6.0          8.0         10.0
## 4543     4.0      8.0         6.0          5.0          4.0
## 4544     8.0      8.0         7.0         10.0         10.0
```

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## 4545     8.0       7.0          4.0          8.0         10.0
## 4546     8.0       2.0          7.0         10.0         10.0
## 4547     9.0       8.0          6.0         10.0         10.0
## 4548     7.0       5.0          5.0         10.0         10.0
## 4549     5.0       5.0          3.0          7.0          7.0
## 4550     5.0       5.0          6.0          6.0          7.0
## 4551     3.0       1.0          3.0          6.0          8.0
## 4552     7.0       8.0          7.0          9.0          8.0
## 4553     6.0       7.0          6.0          7.0          7.0
## 4554     8.0       8.0          8.0          6.0          6.0
## 4555     7.0       7.0          2.0          6.0          6.0
## 4556     2.0       9.0          2.0          8.0          7.0
## 4557     7.0       3.0          6.0          6.0          6.0
## 4558     3.0       6.0          2.0          6.0          8.0
## 4559     2.0       6.0          0.0          8.0          7.0
## 4560     6.0       6.0          5.0          7.0          8.0
## 4561     6.0       6.0          5.0          8.0          8.0
## 4562     4.0       4.0          3.0          8.0          8.0
## 4563     5.0       8.0          2.0          6.0          7.0
## 4564     7.0       7.0          6.0          4.0          5.0
## 4565     5.0       3.0          5.0          5.0          5.0
## 4566     7.0       9.0          8.0          7.0          8.0
## 4567     9.0       9.0          8.0          5.0          6.0
## 4568     9.0       9.0          9.0          5.0          5.0
## 4569     9.0       8.0          9.0          4.0          2.0
## 4570     7.0       9.0          6.0          6.0          6.0
## 4571     8.0       7.0          7.0          4.0          0.0
## 4572     8.0       8.0          6.0          8.0          7.0
## 4573     5.0       7.0          5.0          7.0          7.0
## 4574     6.0       6.0          7.0          5.0          7.0
## 4575     8.0       7.0          6.0          6.0          5.0
## 4576     7.0       7.0          5.5          5.0          8.0
## 4577     7.0       7.0          7.0          8.0          8.0
## 4578     7.0       7.0          7.0          5.0          6.0
## 4579     6.0       4.0          5.0          3.0          6.0
## 4580     5.0       9.0          6.0          7.0          5.0
## 4581     9.0       9.0          7.0          5.0          7.0
## 4582     8.0       9.0         10.0          5.0          7.0
## 4583     9.0       9.0         10.0          4.0          6.0
## 4584     2.0       5.0          6.0          6.0          6.0
## 4585    10.0      10.0         10.0          6.0          4.0
## 4586     8.0       8.0          7.0          9.0          8.0
## 4587     3.0       5.0          5.0          6.0          6.0
## 4588     8.0       7.0          8.0          5.0          7.0
## 4589     7.0       7.0          6.0          7.0          6.0
## 4590     8.0       7.0          7.0          7.0          8.0
## 4591     7.0       8.0          8.0          6.0          5.0
## 4592     9.0       7.0          9.0          5.0          7.0
## 4593     8.0       7.0          8.0          3.0          6.0
## 4594     7.0       7.0          7.0          6.0          7.0
## 4595     8.0       8.0          8.0          4.0          6.0
## 4596     8.0       8.0          7.0          4.0          7.0
## 4597    10.0       9.0          9.0          3.0          6.0
## 4598     8.0       5.0          6.0          5.0          8.0
```

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## 4599    7.0     7.0        8.0        3.0        6.0
## 4600    8.0     8.0        7.0        7.0        7.0
## 4601    7.0     5.0        5.0        6.0        8.0
## 4602    6.0     7.0        6.0        6.0        7.0
## 4603    6.0     6.0        6.0        4.0        8.0
## 4604    9.0     8.0        8.0        5.0        7.0
## 4605    5.0     9.0        8.0        7.0        7.0
## 4606    5.0     5.0        6.0        4.0        6.0
## 4607    4.0     2.0        2.0        4.0        6.0
## 4608    6.0     8.0        6.0        5.0        5.0
## 4609    6.0     8.0        6.0        4.0        5.0
## 4610    8.0     8.0        7.0        6.0        6.0
## 4611    6.0     9.0        2.0        5.0        7.0
## 4612    6.0     8.0        6.0        7.0        7.0
## 4613    7.0     7.0        6.0        7.0        5.0
## 4614    6.0     9.0        6.0        6.0        7.0
## 4615    3.0     9.0        4.0        5.0        7.0
## 4616    8.0     8.0        6.0        6.0        6.0
## 4617    7.0     8.0        6.0        9.0        8.0
## 4618    5.0     8.0        4.0        7.0        8.0
## 4619    6.0     6.0        6.0        9.0        8.0
## 4620    6.0     7.0        6.0        7.0        7.0
## 4621    5.0     5.0        5.0        7.0        8.0
## 4622    5.0     9.0        5.0        6.0        8.0
## 4623    8.0     8.0        8.0        8.0        7.0
## 4624    9.0     9.0        4.0        7.0        9.0
## 4625    8.0     7.0        7.0        5.0        9.0
## 4626    5.0     6.0        5.0        5.0        8.0
## 4627    7.0     6.0        5.0        2.0        8.0
## 4628    5.0     8.0        5.0        7.0        7.0
## 4629    3.0     8.0        2.0        7.0        9.0
## 4630    8.0     7.0        8.0        9.0        8.0
## 4631    8.0     8.0        6.0        8.0        8.0
## 4632    6.0     7.0        6.5       10.0        8.0
## 4633    9.0     9.0        8.0        7.0        8.0
## 4634    9.0     9.0        6.0        5.0        6.0
## 4635    9.0     8.0        8.0        6.0        8.0
## 4636    8.0     9.0        7.0        7.0        6.0
## 4637    9.0     9.0        9.0        5.0        6.0
## 4638   10.0    10.0        8.0        5.0        8.0
## 4639   10.0     7.0       10.0        6.0        8.0
## 4640    7.0     8.0        4.0        5.0        6.0
## 4641    7.0     8.0        6.0        4.0        5.0
## 4642    7.0     8.0        5.0        6.0        5.0
## 4643    9.0     9.0        5.0        8.0        8.0
## 4644    5.0     9.0        7.0        5.0        6.0
## 4645    7.0     8.0        6.0        6.0        6.0
## 4646    8.0     7.0        7.0        7.0        7.0
## 4647    7.0     7.0        5.0        8.0        7.0
## 4648    9.0     7.0        6.0        4.0        7.0
## 4649    9.0     8.0        8.0        5.0       10.0
## 4650    7.0     9.0        8.0        8.0        4.0
## 4651    7.0     7.0        5.0        4.0        8.0
## 4652    9.0     9.0        8.0        5.0        8.0
```

```
## 4653    10.0     9.0          9.0              4.0          7.0
## 4654    10.0     5.0          5.0              4.0         10.0
## 4655     7.0    10.0          6.0              4.0          7.0
## 4656     9.0     8.0          7.0              7.0          7.0
## 4657    10.0     7.0          8.0              8.0          6.0
## 4658     9.0     7.0          3.0              8.0          9.0
## 4659     8.0     8.0          6.0              7.0         10.0
## 4660     8.0     5.0          7.0              7.0          7.0
## 4661     5.0     7.0          5.0              6.0          7.0
## 4662     8.0     8.0          8.0              6.0          6.0
## 4663     6.0     6.0          8.0              4.0          5.0
## 4664     7.0     9.0          9.0              7.0          7.0
## 4665     6.0     7.0          5.0              5.0          6.0
## 4666     9.0     9.0          6.0              4.0          7.0
## 4667     7.0    10.0          6.0              7.0          7.0
## 4668     5.0    10.0          2.0              7.0          7.0
## 4669     7.0     7.0          6.0              4.0          3.0
## 4670     6.0     7.0          5.0              6.0          4.0
## 4671     3.0     7.0          2.0              5.0          6.0
## 4672     5.0     7.0          8.0              5.0          6.0
## 4673     5.0     5.0          6.0              4.0          6.0
## 4674     6.0     6.0          5.0              6.0          6.0
## 4675     8.0     7.0          7.0             10.0          9.0
## 4676     5.0     7.0          6.0              6.0          9.0
## 4677     6.0     5.0          5.0              6.0          9.0
## 4678     8.0     9.0         10.0              9.0          9.0
## 4679     6.0     7.0          8.0              7.0          8.0
## 4680     8.0     8.0          8.0              7.0          9.0
## 4681    10.0     9.0         10.0              6.0          8.0
## 4682     5.0     6.0          6.0              5.0          6.0
## 4683     5.0     7.0          6.0              7.0          8.0
## 4684     5.0     5.0          4.0              9.0          7.0
## 4685     5.0     6.0          0.0              6.0          6.0
## 4686     5.0     9.0          6.0              6.0          8.0
## 4687     6.0     6.0          5.0              8.0          6.0
## 4688     7.0     5.0          5.0              9.0          9.0
## 4689     5.0     7.0          9.0             10.0          8.0
## 4690     5.0     7.0          6.0              5.0          7.0
## 4691     5.0     5.0          5.0              5.0          8.0
## 4692     6.0     8.0          7.0              6.0         10.0
## 4693     6.0     7.0          5.0              6.0         10.0
## 4694     7.0     7.0          4.0              6.0         10.0
## 4695     9.0    10.0          9.0              9.0          4.0
## 4696     4.0    10.0          5.0              7.0          8.0
## 4697     6.0     8.0          6.0              5.0          8.0
## 4698     7.0     8.0          7.0              7.0          7.0
## 4699     3.0     7.0          3.0              5.0          7.0
## 4700     5.0     5.0          5.0              8.0          2.0
## 4701     6.0     6.0          5.0              6.0          7.0
## 4702     5.0     4.0          4.0              6.0          8.0
## 4703     4.0     7.0          1.0              7.0          7.0
## 4704     5.0     7.0          6.0              4.0          5.0
## 4705     9.0     9.0          7.0              4.0          7.0
## 4706     7.0     8.0          5.0              6.0          7.0
```

```
## 4707     7.0        7.0              7.0              4.0              7.0
## 4708     2.0        2.0              2.0              6.0              7.0
## 4709     9.0        8.0              9.0              4.0              7.0
## 4710     7.0        9.0              6.0              6.0              7.0
## 4711     7.0        7.0              6.0              6.0              6.0
## 4712     6.0        8.0              5.0              5.0              7.0
## 4713     3.0        5.0              0.0              4.0              7.0
## 4714     6.0        6.0              5.0              4.0              8.0
## 4715     6.0        6.0              4.0              4.0              8.0
## 4716     5.0        8.0              5.0              6.0              8.0
## 4717     7.0        7.0              7.0              8.0              7.0
## 4718     7.0        5.0              4.0             10.0              7.0
## 4719     6.0        6.0              6.0              8.0              7.0
## 4720     2.0        2.0              6.0              5.0              7.0
## 4721     8.0        8.0              1.0              8.0              7.0
## 4722     7.0        7.0              6.0              8.0              7.0
## 4723     5.0        6.0              5.0              5.0              7.0
## 4724     7.0        8.0              8.0              6.0              7.0
## 4725     7.0        7.0              7.0              8.0              7.0
## 4726     6.0        6.0              7.0              8.0              7.0
## 4728     3.0        4.0              2.0              6.0              7.0
## 4729     7.0        7.0              8.0              6.0              8.0
## 4730     6.0        6.0              5.0              6.0              7.0
## 4731    10.0       10.0             10.0              1.0             10.0
## 4732     7.0        6.0              6.0              3.0              6.0
## 4733     6.0        6.0              6.0              2.0              6.0
## 4734     7.0        7.0              7.0              1.0              7.0
## 4735     8.0        6.0              8.0              3.0              7.0
## 4736     7.0        6.0              5.0              1.0              7.0
## 4737     5.0        6.0              5.0              1.0              7.0
## 4738    10.0        8.0              8.0              5.0              7.0
## 4739     7.0        6.0              6.0              7.0              7.0
## 4740     8.0        7.0              7.0              7.0              6.0
## 4741     7.0        7.0              6.0              8.0              7.0
## 4742     7.0        5.0              6.0              6.0              7.0
## 4743    10.0        8.0              9.0              6.0              8.0
## 4744     7.0        6.0              7.0              5.0              5.0
## 4745     8.0        8.0              8.0              7.0             10.0
## 4746     5.0        6.0              3.0              9.0             10.0
## 4747     8.0        6.0              7.0              8.0             10.0
## 4748     6.0        6.0              3.0              7.0             10.0
## 4749     8.0        7.0              6.0              7.0             10.0
## 4750     7.0        7.0              7.0              8.0             10.0
## 4751     8.0        8.0              8.0              7.0             10.0
## 4752    10.0        9.0              9.0              5.0             10.0
## 4753     8.0        7.0              8.0              8.0              8.0
## 4754     8.0        8.0              6.0              8.0              8.0
## 4755     6.0        5.0              7.0              8.0             10.0
## 4756     7.0        6.0              5.0              8.0              8.0
## 4757     9.0        9.0              8.0              8.0             10.0
## 4758     7.0        8.0              7.0              8.0              8.0
## 4759    10.0        9.0              9.0              6.0              8.0
## 4760     6.0        6.0              7.0              8.0              8.0
## 4761     7.0        6.0              8.0              8.0              6.0
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## 4762      6.0       6.0         6.0          8.0         7.0
## 4763      4.0       9.0         2.0          6.0         8.0
## 4764      7.0       7.0         6.0          7.0         9.0
## 4765      8.0       7.0         7.0          5.0         7.0
## 4766      5.0       5.0         5.0          6.0         7.0
## 4767      5.0       6.0         3.0          7.0         6.0
## 4768      5.0       5.0         5.0          8.0         6.0
## 4769      5.0       7.0         5.0          6.0         7.0
## 4770      1.0       7.0         1.0          7.0         7.0
## 4771      6.0       6.0         6.0          6.0         8.0
## 4772      6.0       7.0         6.0          3.0         7.0
## 4773      6.0       6.0         6.0          3.0         9.0
## 4774      9.0       6.0         7.0          8.0         9.0
## 4775      7.0       8.0         7.0          6.0         8.0
## 4776      8.0       6.0         8.0          6.0         7.0
## 4777      6.0       9.0         1.0          4.0         9.0
## 4778      8.0       8.0         6.0          4.0         8.0
## 4779      7.0       9.0         6.0          4.0         9.0
## 4780      6.0       6.0         5.0          4.0         8.0
## 4781      2.0       6.0         5.0         10.0         8.0
## 4782      7.0       5.0         7.0         10.0         8.0
## 4783      3.0       3.0         6.0          7.0         7.0
## 4784      5.0       8.0         2.0          6.0         7.0
## 4785      6.0       6.0         6.0          5.0         7.0
## 4786      5.0       7.0         6.0          4.0         8.0
## 4787      8.0       7.0        10.0          7.0         7.0
## 4788      8.0       6.0         6.0          8.0        10.0
## 4789      6.0       5.0         1.0         10.0        10.0
## 4790      7.0       7.0         5.0          5.0        10.0
## 4791     10.0       7.0         9.0          6.0        10.0
## 4792      8.0       8.0         2.0          9.0        10.0
## 4793     10.0       8.0         6.0         10.0        10.0
## 4794      5.0       6.0         6.0          4.0         6.0
## 4795      4.0       6.0         2.0          7.0         7.0
## 4796      5.0       6.0         3.0          4.0         8.0
## 4797     10.0       7.0         8.0          6.0         6.0
## 4798      7.0       6.0         6.0          8.0         8.0
## 4799      7.0       6.0         3.0          7.0         8.0
## 4800      7.0       5.0         5.0          5.0         8.0
## 4801     10.0       7.0         7.0          4.0         7.0
## 4802     10.0       7.0        10.0          7.0         8.0
## 4803      8.0       6.0         8.0          6.0         8.0
## 4804      7.0       8.0         6.0          4.0         6.0
## 4805      8.0       9.0         7.0          9.0         8.0
## 4806      7.0       5.0         4.0          3.0         4.0
## 4807     10.0       7.0        10.0          6.0         7.0
## 4808      7.0       7.0         6.0          8.0         7.0
## 4809      9.0       5.0         2.0          6.0         8.0
## 4810      8.0       6.0         5.0          7.0         8.0
## 4811     10.0       7.0         6.0          6.0         8.0
## 4812      8.0       8.0         8.0          9.0         7.0
## 4813      8.0       8.0         5.0          8.0         8.0
## 4814      7.0       8.0         6.0          6.0         7.0
## 4815      7.0       6.0         6.0          8.0         8.0
```

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## 4816     6.0      6.0          7.0          5.0          8.0
## 4817     7.0      7.0          6.0          5.0          4.0
## 4818     7.0      7.0          6.0          8.0          8.0
## 4819     6.0     10.0          1.0          6.0          7.0
## 4820     5.0      7.0          5.0          4.0          8.0
## 4821     6.0     10.0          6.0          4.0          7.0
## 4822     8.0      8.0          8.0          7.0          6.0
## 4823     8.0      8.0          8.0          5.0          8.0
## 4824     6.0      8.0          6.0          5.0          7.0
## 4825     6.0      8.0          6.0          8.0          8.0
## 4826     5.0      6.0          5.0          3.0          6.0
## 4827    10.0      7.0          6.0          6.0          8.0
## 4828     6.0      6.0          6.0          6.0          5.0
## 4829     9.0      6.0          2.0          7.0          7.0
## 4830     8.0      5.0          5.0          6.0          8.0
## 4831     9.0      7.0          9.0          4.0          8.0
## 4832    10.0      8.0          5.0          8.0          5.0
## 4833     8.0      7.0          8.0          5.0          7.0
## 4834     6.0      7.0          6.0          2.0          2.0
## 4835     4.0      7.0          4.0          6.0          3.0
## 4836     4.0      6.0          2.0          2.0          7.0
## 4837    10.0      7.0          8.0          9.0          9.0
## 4838     7.0      6.0          8.0         10.0         10.0
## 4839     7.0      6.0          1.0          6.0          6.0
## 4840     7.0      7.0          7.0         10.0          9.0
## 4841    10.0      9.0          7.0          7.0         10.0
## 4842     8.0      8.0          8.0         10.0         10.0
## 4843     8.0      7.0          6.0          9.0          6.0
## 4844     6.0      7.0          3.0          7.0          9.0
## 4845     4.0      6.0          2.0         10.0          7.0
## 4846     5.0      4.0          5.0          8.0          9.0
## 4847     8.0      7.0          6.0          6.0          6.0
## 4848     6.0      6.0          6.0          6.0          6.0
## 4849     2.0      5.0          2.0          5.0          6.0
## 4850     5.0      7.0          5.0          5.0          6.0
## 4851     8.0      7.0          6.0          5.0          8.0
## 4852     8.0      8.0          3.0          8.0          8.0
## 4853     5.0     10.0          5.0          8.0          8.0
## 4854     6.0      8.0          2.0          6.0          8.0
## 4855     6.0      8.0          2.0          7.0          7.0
## 4856     4.0      7.0          3.0          6.0          5.0
## 4857     7.0      7.0          1.0          4.0          3.0
## 4858     8.0      8.0          8.0          6.0          4.0
## 4859     6.0      5.0          5.0          4.0         10.0
## 4860     9.0      8.0          8.0          6.0         10.0
## 4861     8.0      6.0          8.0          7.0          7.0
## 4862     8.0      7.0          9.0          8.0          8.0
## 4863     7.0      6.0          7.0          6.0         10.0
## 4864     8.0      7.0          8.0          2.0          8.0
## 4866     7.0      5.0          3.0          8.0          8.0
## 4867     7.0      4.0          5.0          6.0          5.0
## 4869     8.0      8.0          8.0          8.0          8.0
## 4870     5.0      5.0          5.0          6.0         10.0
## 4871     7.0      5.0          3.0         10.0          9.0
```

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## 4872      7.0       7.0           7.0             8.0           8.0
## 4873      8.0       7.0           6.0             6.0           6.0
## 4874      5.0      10.0           4.0             8.0           8.0
## 4875      7.0       7.0           6.0             4.0           6.0
## 4876      7.0       7.0           7.0             5.0           4.0
## 4877      7.0       8.0           6.0             4.0           5.0
## 4878      9.0       8.0           7.0             5.0           6.0
## 4879      7.0       6.0           4.0             5.0           6.0
## 4880      6.0       6.0           6.0             6.0           5.0
## 4881      9.0       8.0           7.0             8.0           9.0
## 4882      8.0       7.0           6.0             6.0           6.0
## 4883      5.0       5.0           6.0             4.0           4.0
## 4884      4.0       3.0           3.0             8.0           8.0
## 4885      5.0       5.0           5.0             7.0           7.0
## 4886      6.0       5.0           6.0             6.0           5.0
## 4888      4.0       5.0           5.0             3.0           5.0
## 4889      5.0       5.0           3.0            10.0           7.0
## 4890      7.0       9.0           8.0             7.0           8.0
## 4891      5.0       8.0           4.0             5.0           6.0
## 4892      5.0       8.0           3.0             7.0           7.0
## 4893      8.0       9.0           8.0             3.0           5.0
## 4894      7.0       7.0           7.0             5.0           5.0
## 4895      6.0       8.0           4.0             7.0           7.0
## 4896      6.0       8.0           6.0             5.0           8.0
## 4897      8.0       9.0           7.0             6.0           6.0
## 4898      7.0       5.0           6.0             9.0           8.0
## 4899      4.0       6.0           9.0             8.0           8.0
## 4900      6.0       6.0           5.0             5.0           6.0
## 4901      8.0       7.0           4.0             5.0           6.0
## 4902      2.0       6.0           1.0             7.0           7.0
## 4903      3.0       7.0           8.0             6.0           6.0
## 4904      5.0       6.0           6.0             8.0           7.0
## 4905      8.0       9.0           6.0             9.0           8.0
## 4906      4.0       5.0           5.0             7.0           8.0
## 4908      5.0       9.0           4.0             8.0           8.0
## 4910      6.0       9.0           4.0             7.0           7.0
## 4911      9.0      10.0           9.0             6.0           9.0
## 4912      8.0       8.0           8.0             6.0           6.0
## 4913      6.0       8.0           5.0             5.0           5.0
## 4914     10.0       8.0           9.0             9.0           9.0
## 4915      7.0       7.0           6.0             6.0           6.0
## 4916      8.0       9.0           8.0             8.0           8.0
## 4917      5.0       6.0           7.0             7.0           8.0
## 4918      8.0       8.0           8.0             6.0           7.0
## 4919     10.0       9.0           6.0             6.0           6.0
## 4920      5.0       7.0           6.0             9.0           8.0
## 4921      3.0       7.0           5.0             9.0           8.0
## 4923     10.0       9.0           9.0             9.0           9.0
## 4925      5.0       7.0           5.0             8.0           6.0
## 4926      7.0       7.0           7.0             6.0           6.0
## 4927      7.0       6.0           5.0             6.0           7.0
## 4928      7.0       7.0           6.0             5.0           6.0
## 4930      7.0       7.0           7.0             6.0          10.0
## 4931      7.0       6.0           7.0             4.0          10.0
```

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## 4932      9.0        9.0            7.0            6.0          8.0
## 4933      6.0        5.0            2.0           10.0          9.0
## 4934      5.0        5.0            5.0            9.0         10.0
## 4935      8.0        6.0            5.0            7.0         10.0
## 4936      8.0        7.0            7.0            8.0         10.0
## 4937      8.0        8.0            8.0            7.0         10.0
## 4938      8.0       10.0            7.0           10.0          9.0
## 4939      4.0        5.0            5.0            8.0         10.0
## 4940      7.0        8.0            7.0            8.0          7.0
## 4941     10.0        6.0            6.0           10.0          9.0
## 4942      4.0        4.0            5.0            5.0         10.0
## 4943      5.0        4.0            3.0           10.0          8.0
## 4944      7.0        7.0            6.0            5.0          8.0
## 4945      8.0        9.0            5.0            5.0         10.0
## 4946      8.0        7.0            5.0            8.0          9.0
## 4947      4.0        3.0            1.0            4.0          1.0
## 4948      7.0        7.0            6.0            7.0          8.0
## 4949      3.0        2.0            1.0            6.0         10.0
## 4950      5.0        8.0            5.0            7.0         10.0
## 4951      4.0        3.0            3.0            9.0          7.0
## 4952      5.0        6.0            4.0            7.0          9.0
## 4955      4.0        4.0            3.0            7.0         10.0
## 4956      6.0        7.0            2.0            8.0          8.0
## 4957      6.0        6.0            5.0            8.0         10.0
## 4958      4.0        4.0            1.0            7.0          9.0
## 4959      2.0        2.0            0.0            9.0          8.0
## 4960      4.0        5.0            4.0            5.0          8.0
## 4961      1.0        2.0            1.0            8.0          4.0
## 4962      7.0        7.0            5.0            6.0          7.0
## 4963      4.0        6.0            2.0            8.0          4.0
## 4965      8.0        9.0            8.0            8.0         10.0
## 4966      6.0        6.0            6.0            7.0          6.0
## 4967      7.0        7.0            4.0            9.0          9.0
## 4968     10.0        8.0            8.0            9.0          8.0
## 4969      5.0        7.0            2.0            7.0         10.0
## 4970      6.0        5.0            4.0            9.0         10.0
## 4971      6.0        6.0            6.0            7.0          7.0
## 4972      7.0        7.0            6.0            7.0          8.0
## 4973      4.0        4.0            3.0            8.0          7.0
## 4974      5.0        5.0            3.0            9.0          9.0
## 4975      6.0        7.0            5.0           10.0          9.0
## 4976      6.0        5.0            6.0            9.0          8.0
## 4977     10.0        8.0            9.0            9.0          9.0
## 4978      5.0        4.0            4.0            7.0         10.0
## 4979      5.0        5.0            3.0            9.0          9.0
## 4980      6.0        6.0            6.0            7.0          8.0
## 4981      9.0        8.0            6.0            8.0          8.0
## 4982      8.0        7.0            4.0            8.0          9.0
## 4983     10.0       10.0            9.0            2.0          8.0
## 4984      9.0        8.0            8.0            4.0          7.0
## 4985      8.0        8.0            7.0            4.0          8.0
## 4986      8.0        9.0            6.0            5.0          6.0
## 4987      5.0        6.0            4.0            6.0          5.0
## 4988      9.0        8.0            9.0            6.0          8.0
```

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## 4989     7.0     7.0         8.0         4.0         8.0
## 4990     8.0     8.0         7.0         4.0         8.0
## 4992     6.0     5.0         2.0         8.0         6.0
## 4993     7.0     7.0         5.0         7.0         8.0
## 4994     9.0     8.0         6.0         7.0         8.0
## 4995    10.0    10.0        10.0         9.0         8.0
## 4996     6.0     6.0         6.0         5.0         9.0
## 4997     8.0     5.0         8.0         9.0         8.0
## 4998     7.0     7.0         6.0         6.0         4.0
## 4999     8.0     8.0         5.0         5.0         7.0
## 5000     6.0     5.0         3.0         6.0         6.0
## 5001     9.0     8.0         8.0         4.0         9.0
## 5002     7.0     7.0         7.0         5.0         8.0
## 5003     8.0     7.0         8.0         4.0         8.0
## 5004     8.0     9.0         7.0         5.0         8.0
## 5005     7.0     6.0         8.0         7.0         8.0
## 5006     8.0     7.0         8.0         6.0         9.0
## 5007     7.0     6.0         6.0         6.0         9.0
## 5008     8.0     7.0         6.0         6.0        10.0
## 5009     9.0    10.0         5.0         5.0         1.0
## 5010     7.0     9.0         6.0         8.0         8.0
## 5011     6.0     5.0         5.0         8.0         7.0
## 5012     6.0     5.0         5.0         6.0         6.0
## 5013     9.0    10.0         9.0         8.0         8.0
## 5014     7.0     6.0         5.0         4.0         6.0
## 5015     7.0     6.0         6.0         9.0         6.0
## 5016     4.0     5.0         5.0         6.0         8.0
## 5017     6.0     6.0         4.0         5.0         5.0
## 5018     8.0     9.0         7.0         7.0         7.0
## 5020     7.0     7.0         7.0         7.0         7.0
## 5021     6.0     7.0         6.0         7.0         7.0
## 5022     9.0     9.0         7.0         8.0         8.0
## 5023     5.0     5.0         4.0         6.0         6.0
## 5024     6.0     6.0         7.0         8.0         8.0
## 5025     4.0     4.0         4.0         7.0         7.0
## 5026     7.0     7.0         6.0         7.0         7.0
## 5027     4.0     5.0         4.0         7.0         8.0
## 5028     1.0     6.0         1.0         9.0         8.0
## 5029     7.0     7.0         6.0         3.0         3.0
## 5030     4.0     4.0         3.0         7.0         7.0
## 5031     9.0     9.0         9.0         9.0         9.0
## 5032     5.0     5.0         6.0         7.0         7.0
## 5033     6.0     6.0         6.0         8.0         8.0
## 5034     5.0     6.0         5.0         7.0         7.0
## 5035     5.0     8.0         4.0         5.0         6.0
## 5036     6.0     5.0         4.0         5.0         7.0
## 5037     6.0     6.0         4.0         6.0         6.0
## 5038     6.0     6.0         6.0         6.0         8.0
## 5039     7.0     7.0         8.0         6.0         8.0
## 5040     8.0     8.0         7.0         8.0         9.0
## 5041     4.0     6.0         4.0         8.0         6.0
## 5042     6.0     5.0         5.0         9.0         8.0
## 5043     3.0     5.0         4.0         7.0         8.0
## 5044     7.0     6.0         6.0         8.0         8.0
```

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## 5045     6.0        6.0             3.0             7.0        7.0
## 5046     1.0        5.0             1.0             9.0        7.0
## 5047     3.0        3.0             2.0             8.0        6.0
## 5048     4.0        4.0             4.0             7.0        8.0
## 5049     8.0        7.0             8.0             9.0        9.0
## 5050     5.0        5.0             6.0             7.0        7.0
## 5051     4.0        4.0             3.0             9.0        7.0
## 5052     6.0        5.0             5.0             7.0        7.0
## 5053     5.0        6.0             2.0             6.0        5.0
## 5054     6.0        5.0             5.0             6.0        6.0
## 5055     3.0        3.0             3.0             4.0        4.0
## 5056     6.0        6.0             6.0             5.0        6.0
## 5057     5.0        6.0             4.0             6.0        8.0
## 5058     6.0        6.0             4.0             6.0        7.0
## 5059     5.0        7.0             4.0             6.0        6.0
## 5060     4.0        3.0             2.0             5.0        8.0
## 5063     5.0        5.0             6.0             8.0        8.0
## 5064     5.0        6.0             2.0             6.0        7.0
## 5065     2.0        9.0             2.0             7.0        7.0
## 5066     4.0        4.0             4.0             7.0        8.0
## 5067     7.0        4.0             0.0             7.0        7.0
## 5068     4.0        6.0             5.0             6.0        7.0
## 5069     2.0        3.0             2.0             6.0        6.0
## 5070     5.0        5.0             4.0             7.0        7.0
## 5071     6.0        7.0             4.0             4.0        5.0
## 5072     8.0        5.0             5.0             4.0        5.0
## 5073    10.0        9.0             9.0             1.0       10.0
## 5074     8.0        8.0             8.0             4.0       10.0
## 5075     8.0        8.0             7.0             1.0       10.0
## 5076     9.0        8.0             8.0             7.0       10.0
## 5077     8.0        7.0             6.0             9.0       10.0
## 5078     9.0        8.0             7.0             9.0       10.0
## 5079     8.0        7.0             8.0             2.0        8.0
## 5080     8.0        8.0             9.0             8.0        9.0
## 5081    10.0       10.0            10.0             5.0       10.0
## 5082     8.0        6.0             8.0             7.0        9.0
## 5083    10.0        7.0            10.0             9.0       10.0
## 5084     7.0        7.0             8.0             4.0        8.0
## 5085     9.0        9.0            10.0             7.0        7.0
## 5087     4.0        6.0             3.0             7.0       10.0
## 5088     4.0        6.0             6.0             4.0       10.0
## 5089     8.0        5.0             4.0             2.0        8.0
## 5090     8.0        6.0             5.0             7.0        9.0
## 5091     7.0        7.0             4.0             4.0        8.0
## 5092     8.0        8.0             8.0             5.0        8.0
## 5093     7.0        8.0             7.0             5.0        6.0
## 5094     8.0        9.0             7.0             5.0       10.0
## 5095     8.0        5.0             8.0             8.0        9.0
## 5096     9.0        9.0             8.0             9.0        8.0
## 5097     8.0        6.0             5.0             7.0        6.0
## 5098     8.0        7.0             7.0             7.0        6.0
## 5101     7.0        5.0             5.0             9.0        8.0
## 5102     7.0        6.0             6.0             5.0        6.0
## 5103     8.0        8.0             8.0             9.0        8.0
```

```
## 5105     2.0      5.0          2.0          9.0          6.0
## 5106     5.0      6.0          5.0          7.0          9.0
## 5107     7.0      6.0          5.0          6.0          7.0
## 5108     8.0      6.0          5.0          7.0          6.0
## 5109     8.0      9.0          7.0          4.0          8.0
## 5112     4.0      9.0          6.0          7.0          6.0
## 5113     8.0      8.0          9.0          5.0          7.0
## 5115     6.0      7.0          7.0          5.0          9.0
## 5116     7.0      7.0          7.0          7.0          9.0
## 5119     2.0      4.0          3.0          7.0          6.0
## 5122     4.0      5.0          5.0          4.0          6.0
## 5123     5.0      5.0          3.0          5.0          6.0
## 5124     6.0      8.0          7.0          5.0          6.0
## 5127     5.0      5.0          5.0          2.0          6.0
## 5128     7.0      7.0          7.0          3.0          7.0
## 5129     7.0      7.0          5.0          4.0          8.0
## 5130     9.0      9.0          8.0          6.0          8.0
## 5131     9.0      7.0          6.0          6.0          7.0
## 5132     8.0      8.0          8.0          6.0          8.0
## 5133     6.0      6.0          5.0          6.0          6.0
## 5134     8.0      7.0          7.0          4.0          8.0
## 5136     6.0      6.0          5.0          6.0          8.0
## 5137     4.0      7.0          1.0          6.0          7.0
## 5138     7.0      6.0          5.0          4.0          5.0
## 5139     9.0      9.0          6.0          6.0          8.0
## 5140     6.0      7.0          8.0          5.0          8.0
## 5141     7.0      7.0          6.0          7.0          6.0
## 5142     8.0      7.0          9.0          5.0          8.0
## 5143     7.0      8.0          8.0          5.0          7.0
## 5144     5.0      4.0          4.0          5.0          7.0
## 5145     5.0     10.0          7.0          6.0          7.0
## 5146     7.0      8.0          8.0          6.0          8.0
## 5147     7.0      8.0          6.0          6.0          7.0
## 5148     5.0     10.0          7.0          6.0          7.0
## 5150     8.0      8.0          7.0          8.0          8.0
## 5151     7.0      8.0          6.0          7.0          8.0
## 5152     7.0      9.0          7.0          7.0          7.0
## 5153     6.0     10.0          3.0          7.0          8.0
## 5154     8.0     10.0          9.0          7.0          7.0
## 5155     3.0      7.0          7.0          7.0          7.0
## 5156     6.0      7.0          6.0          7.0          7.0
## 5157     9.0     10.0          8.0          9.0          7.0
## 5158     4.0      5.0          6.0          6.0          7.0
## 5159     7.0      9.0          6.0          8.0          8.0
## 5160    10.0     10.0         10.0         10.0         10.0
## 5161     7.0      9.0          0.0          7.0          8.0
## 5162     6.0      7.0          4.0          7.0          7.0
## 5163     7.0      7.0          7.0          5.0          8.0
## 5164     7.0      7.0          7.0          6.0          6.0
## 5165     6.0      8.0          6.0          6.0          5.0
## 5166     8.0     10.0          8.0          6.0          4.0
## 5168     8.0      6.0          7.0          8.0          9.0
## 5169     6.0      6.0          7.0          8.0          9.0
## 5171     8.0      9.0          9.0          7.0          4.0
```

```
## 5172     4.0      4.0         1.0         7.0        8.0
## 5173     1.0      7.0         4.0         6.0        7.0
## 5174     1.0      6.0         0.0         7.0        6.0
## 5175     6.0      5.0         1.0         9.0        8.0
## 5176     5.0      4.0         3.0         7.0        5.0
## 5177     1.0      3.0         1.0         9.0        6.0
## 5178     8.0      8.0         7.0         6.0        5.0
## 5179     4.0      8.0         2.0         4.0        8.0
## 5180     5.0      8.0         4.0         6.0        5.0
## 5181     8.0      9.0         6.0         4.0        4.0
## 5182     7.0      7.0         7.0         5.0        6.0
## 5183     5.0      5.0         4.0         4.0        4.0
## 5184     6.0      7.0         7.0         6.0        8.0
## 5185     5.0      6.0         5.0         7.0        8.0
## 5186     6.0      9.0         6.0         6.0        7.0
## 5187     5.0      7.0         4.0         7.0        6.0
## 5188     8.0      7.0         7.0         8.0        8.0
## 5189     8.0      5.0         4.0         6.0        7.0
## 5191     2.0      5.0         7.0         8.0        7.0
## 5192     7.0      7.0         6.0         7.0        6.0
## 5194     5.0      4.0         5.0         6.0        7.0
## 5195     7.0      8.0         5.0         9.0        5.0
## 5196     5.0      5.0         5.0         5.0        6.0
## 5197     8.0      7.0         8.0         7.0        6.0
## 5198     4.0      7.0         4.0         6.0        7.0
## 5199     3.0      6.0         1.0         7.0        8.0
## 5201     5.0      5.0         5.0        10.0       10.0
## 5202     8.0      9.0         7.0         9.0        9.0
## 5204     4.0      4.0         5.0         4.0        9.0
## 5205     7.0     10.0         6.0         7.0        7.0
## 5206     2.0      8.0         6.0        10.0       10.0
## 5207     4.0      9.0         6.0        10.0       10.0
## 5208     7.0      7.0         6.0         5.0        9.0
## 5209     6.0      6.0         5.0         6.0       10.0
## 5210     4.0      5.0         6.0         4.0        9.0
## 5211     6.0      6.0         4.0        10.0        9.0
## 5212     9.0      8.0         7.0         7.0        8.0
## 5213     5.0      7.0         5.0         9.0       10.0
## 5214     0.0      3.0         0.0         7.0        8.0
## 5215     6.0      8.0         6.0         7.0        9.0
## 5216     6.0      7.0         7.0         9.5        9.0
## 5217     2.0      6.0         2.0         9.0       10.0
## 5218     8.0      8.0         8.0         8.0        8.0
## 5219     6.0      4.0         6.0         6.0        7.0
## 5220     7.0      7.0         5.0         7.0        7.0
## 5221     8.0      8.0         6.0         8.0        8.0
## 5222     8.0      8.0         3.0         7.0        7.0
## 5224     6.0      7.0         3.0         5.0        8.0
## 5225     7.0      8.0         8.0         8.0        8.0
## 5226     6.0      6.0         5.0         8.0        8.0
## 5227     7.0      7.0         7.0         7.0        7.0
## 5228     7.0      5.0         8.0         6.0        8.0
## 5229     5.0      6.0         6.0         6.0        8.0
## 5230    10.0      7.0        10.0         6.0        8.0
```

```
## 5231    8.0      8.0           7.0           8.0          8.0
## 5233    4.0      5.0           3.0           7.0          7.0
## 5234    7.0      7.0           6.0           8.0          8.0
## 5235    7.0      7.0           7.0           7.0          8.0
## 5236    5.0      5.0           5.0           6.0          8.0
## 5237    8.0      8.0           4.0           6.0          7.0
## 5238    4.0      6.0           6.0           6.0          8.0
## 5239    6.0      6.0           5.0           4.0          7.0
## 5240    5.0      5.0           5.0           6.0          7.0
## 5241    6.0     10.0           1.0           5.0          8.0
## 5242    7.0      6.0           5.0           2.0          4.0
## 5243    8.0      7.0           6.0           6.0          8.0
## 5244    3.0      7.0           6.0           7.0          8.0
## 5245    5.0      5.0           4.0           7.0          8.0
## 5246    7.0      7.0           7.0           7.0          7.0
## 5247    7.0      7.0           8.0           8.0          8.0
## 5248    7.0      6.0           6.0           5.0          7.0
## 5249    3.0      5.0           2.0           7.0          7.0
## 5250    7.0      8.0           7.0           6.0          8.0
## 5252    4.0      4.0           3.0           6.0          7.0
## 5253    7.0      7.0           6.0           7.0          8.0
## 5254    6.0      6.0           3.0           7.0          6.0
## 5255    5.0      6.0           3.0           4.0          6.0
## 5256    8.0      8.0           4.0           8.0          9.0
## 5257    6.0      7.0           0.0           6.0          7.0
## 5258    6.0      7.0           5.0           3.0          9.0
## 5259    9.0      7.0           7.0           8.0          7.0
## 5260   10.0      9.0           6.0           7.0          9.0
## 5261    7.0      7.0           5.0           3.0          8.0
## 5262    9.0      8.0           7.0           6.0          8.0
## 5263    7.0      8.0           6.0           9.0          8.0
## 5264    6.0      5.0           7.0           6.0          9.0
## 5265    8.0      8.0           8.0           9.0          9.0
## 5266    8.0      6.0           9.0           7.0          9.0
## 5267    8.0      6.0           7.0           5.0          8.0
## 5268    8.0      7.0           8.0           8.0          7.0
## 5269    9.0      8.0           9.0           7.0          9.0
## 5270    6.0      6.0           5.0           9.0          7.0
## 5271    7.0      6.0           6.0          10.0          9.0
## 5272    7.0      7.0           7.0           7.0          7.0
## 5273    4.0      4.0           6.0           8.0         10.0
## 5274    7.0      8.0           5.0           9.0          8.0
## 5275    7.0     10.0           6.0           6.0          7.0
## 5276    6.0      5.0           6.0           5.0          5.0
## 5277    6.0      7.0           6.0           6.0          9.0
## 5278    6.0      6.0           6.0           8.0          6.0
## 5279    7.0      9.0           7.0           3.0          8.0
## 5280    7.0      7.0           6.0           4.0          8.0
## 5281    9.0     10.0           2.0           2.0          7.0
## 5282    7.0      8.0           8.0           7.0          7.0
## 5283    9.0      7.0           7.0           9.0          6.0
## 5284    6.0      7.0           6.0           7.0          7.0
## 5285    7.0      7.0           8.0           4.0          6.0
## 5286    6.0      6.0           6.0           4.0          6.0
```

```
## 5287      9.0        7.0          9.0              8.0        6.0
## 5288      9.0        9.0         10.0              9.0        7.0
## 5289      7.0        6.0          6.0              9.9        8.0
## 5290      8.0        8.0          6.0              6.0        8.0
## 5293      6.0        7.0          6.0              2.0        7.0
## 5294      8.0       10.0         10.0              9.0        8.0
## 5295      4.0        4.0          6.0              7.0        6.0
## 5296      7.0        7.0          5.0              6.0        7.0
## 5297      8.0        8.0          8.0              8.0        9.0
## 5298      6.0        9.0          8.0              6.0        6.0
## 5299      5.0        7.0          5.0              2.0        6.0
## 5300      8.0        8.0          4.0              5.0        6.0
## 5301      8.0        7.0          8.0              9.0       10.0
## 5302      7.0        7.0          8.0              8.0        7.0
## 5303      8.0        8.0          8.0              6.0        8.0
## 5304      9.0        6.0          9.0              6.0        8.0
## 5305      5.0        6.0          5.0              4.0        7.0
## 5306     10.0        9.0          8.0              8.0        7.0
## 5307      8.0        8.0          9.0              9.0        8.0
## 5309      7.0        7.0          5.0              8.0        8.0
## 5310      8.0        8.0          7.0              8.0        7.0
## 5311      9.0        7.0          8.0              7.0        7.0
## 5312      7.0        7.0          7.0              6.0        7.0
## 5313      9.0        8.0          7.0              6.0        8.0
## 5314      9.0        7.0          6.0              7.0        6.0
## 5315      8.0        9.0          9.0              3.0        6.0
## 5316      7.0        7.0          7.0              5.0        5.0
## 5317      5.0        8.0          4.0              7.0        7.0
## 5319      8.0        8.0          7.0              5.0        8.0
## 5320      8.0        5.0          8.0              8.0        7.0
## 5321      6.0        8.0          9.0              7.0        7.0
## 5322      7.0        7.0          8.0              8.0        6.0
## 5323      7.0        6.0          7.0              4.0        4.0
##       intelligence_partner funny_partner ambition_partner
## 1                      7.0           7.0              6.0
## 2                      7.0           8.0              5.0
## 3                      9.0           8.0              5.0
## 4                      8.0           7.0              6.0
## 5                      7.0           7.0              6.0
## 6                      7.0           4.0              6.0
## 7                      7.0           4.0              6.0
## 8                      7.0           6.0              5.0
## 9                      8.0           9.0              8.0
## 10                     6.0           8.0             10.0
## 11                     8.0           4.0              6.0
## 12                     6.0           6.0              9.0
## 13                     9.0           6.0              3.0
## 14                     7.0           6.0              5.0
## 15                     7.0           9.0              7.0
## 16                     8.0           3.0              6.0
## 17                     9.0           6.0              7.0
## 18                     7.0           5.0              9.0
## 19                     8.0           9.0              4.0
## 20                     8.0           7.0              9.0
```

```
## 21          10.0           7.0           8.0
## 22           9.0           8.0           9.0
## 23           9.0           7.0           9.0
## 24           9.0           7.0           9.0
## 25          10.0          10.0          10.0
## 26          10.0           7.0           9.0
## 27          10.0           7.0           7.0
## 28           9.0           8.0           9.0
## 29           9.0           9.0           9.0
## 30           9.0           7.0           9.0
## 31           8.0           5.0           8.0
## 32           8.0          10.0           7.0
## 33           8.0           8.0           6.0
## 34           7.0          10.0           7.0
## 35           8.0           9.0           8.0
## 36           8.0           4.0           8.0
## 37          10.0           7.0          10.0
## 38           9.0           5.0           9.0
## 39          10.0          10.0           7.0
## 40          10.0          10.0           8.0
## 41           8.0           2.0           2.0
## 42           6.0           5.0           5.0
## 43           8.0           8.0           6.0
## 44           5.0           7.0           7.0
## 45           7.0           5.0           4.0
## 46           7.0           5.0           7.0
## 47           8.0           5.0           5.0
## 48           7.0           6.0           7.0
## 49           7.0           8.0           7.0
## 50           7.0           9.0           6.0
## 51           7.0           6.0           7.0
## 52           9.0           6.0           8.0
## 53           9.0           4.0           3.0
## 54           7.0           8.0           2.0
## 55           8.0           8.0           4.0
## 56           6.0           1.0           1.0
## 57           8.0           8.0           3.0
## 58           9.0           2.0           8.0
## 59           8.0           8.0           6.0
## 60           9.0           9.0          10.0
## 61           8.0           5.0           7.0
## 62           8.0           4.0           9.0
## 63           8.0           7.0           8.0
## 64           8.0           7.0           7.0
## 65           7.0           4.0           8.0
## 66           7.0           4.0           5.0
## 67           8.0           7.0           7.0
## 68           8.0           5.0           9.0
## 69           8.0           8.0           8.0
## 70           7.0           7.0           8.0
## 71           7.0           4.0           7.0
## 72           7.0           9.0           6.0
## 73           8.0           6.0           7.0
## 74           5.0           6.0           6.0
```

```
## 75                8.0           5.0           6.0
## 76                8.0           5.0           6.0
## 77                8.0           5.0           7.0
## 78                7.0           4.0           5.0
## 79                5.0           9.0           8.0
## 80                8.0           7.0           9.0
## 81                9.0           8.0           7.0
## 82               10.0          10.0          10.0
## 83               10.0           6.0           6.0
## 84                8.0           8.0           7.0
## 85                8.0           8.0           5.0
## 86                9.0           7.0           6.0
## 87                9.0           6.0           6.0
## 88                8.0           7.0           9.0
## 89                5.0           6.0           5.0
## 90                7.0           8.0           7.0
## 91               10.0           6.0           6.0
## 92                1.0           1.0           1.0
## 93               10.0          10.0           6.0
## 94               10.0          10.0          10.0
## 95                7.0           7.0           7.0
## 96                6.0           4.0           6.0
## 97                8.0           6.0           9.0
## 98                6.0           4.0           5.0
## 99                9.0           9.0           9.0
## 100               8.0          10.0           8.0
## 101               8.0           8.0           8.0
## 102               6.0           9.0           7.0
## 103               6.0           5.0           8.0
## 104               8.0           7.0           7.0
## 105               8.0           8.0           7.0
## 106               8.0           9.0           8.0
## 107               8.0           8.0           7.0
## 108               6.0           6.0           6.0
## 109               7.0           8.0           7.0
## 110               7.0           8.0           6.0
## 111              10.0           7.0           7.0
## 112              10.0           6.0           6.0
## 113              10.0           6.0           6.0
## 114              10.0           6.0           6.0
## 115              10.0           7.0           6.0
## 116              10.0           6.0           7.0
## 117              10.0           6.0           6.0
## 118              10.0           7.0           6.0
## 119              10.0           7.0           6.0
## 120               1.0           1.0           1.0
## 121              10.0          10.0          10.0
## 122              10.0          10.0          10.0
## 123              10.0          10.0          10.0
## 124              10.0          10.0          10.0
## 125              10.0          10.0          10.0
## 126              10.0          10.0          10.0
## 127              10.0          10.0          10.0
## 128              10.0          10.0          10.0
```

```
## 129                10.0          10.0          10.0
## 130                10.0          10.0          10.0
## 131                 9.0           8.0           9.0
## 132                 9.0           9.0           9.0
## 133                 8.0           8.0           8.0
## 134                 7.0           9.0           9.0
## 135                 6.0           8.0          10.0
## 136                 8.0           7.0           9.0
## 137                 9.0           8.0           9.0
## 138                 8.0           8.0           8.0
## 139                 7.0           8.0           8.0
## 140                 7.0           9.0           8.0
## 141                 9.0           6.0           9.0
## 142                10.0          10.0           7.0
## 143                 8.0           6.0           7.0
## 144                 9.0           8.0           8.0
## 145                 9.0           7.0           9.0
## 146                 9.0           7.0           9.0
## 147                 9.0           6.0           9.0
## 148                 8.0           9.0           7.0
## 149                 8.0           9.0           7.0
## 150                 9.0           7.0           8.0
## 151                 8.0           8.0           7.0
## 152                 7.0           5.0           7.0
## 153                 6.0           6.0           6.0
## 154                 7.0           7.0           8.0
## 155                 7.0           7.0           7.0
## 156                 8.0           8.0           8.0
## 157                 8.0           6.0           6.0
## 158                 7.0           7.0           8.0
## 159                 7.0           8.0           7.0
## 160                 7.0           7.0           7.0
## 161                 7.0           5.0           8.0
## 162                 4.0           3.0           5.0
## 163                 5.0           4.0           5.0
## 164                 3.0           5.0           6.0
## 165                 4.0           4.0           5.0
## 166                 8.0           4.0           5.0
## 167                 5.0           4.0           4.0
## 168                 7.0           5.0           6.0
## 169                 7.0           8.0           6.0
## 170                 4.0           3.0           4.0
## 171                 5.0           6.0           8.0
## 172                 7.0           7.0           7.0
## 173                 6.0           4.0           6.0
## 174                 8.0           6.0           6.0
## 175                 6.0           5.0           5.0
## 176                 8.0           7.0           8.0
## 177                 6.0           7.0           7.0
## 178                 8.0           8.0           7.0
## 179                 7.0           7.0           6.0
## 180                 6.0           6.0           6.0
## 181                 8.0           8.0           8.0
## 182                 9.0           9.0           8.0
```

```
## 183                6.0           8.0              7.0
## 184                7.0          10.0              9.0
## 185                9.0           9.0              9.0
## 186                7.0           6.0              6.0
## 187                9.0           9.0              9.0
## 188                8.0          10.0              8.0
## 189                6.0           7.0              6.0
## 190                7.0           7.0              6.0
## 191                6.0           6.0              6.0
## 192                7.0           7.0              9.0
## 193                8.0           5.0              8.0
## 194                8.0           7.0              8.0
## 195                7.0           7.0             10.0
## 196               10.0           6.0             10.0
## 197                8.0           6.0              8.0
## 198                9.0           9.0              8.0
## 199                6.0           6.0              6.0
## 200                6.0           6.0              6.0
## 201                7.0           9.0              5.0
## 202                7.0           5.0              9.0
## 203                8.0           8.0              7.0
## 204                8.0           4.0              9.0
## 205                8.0           5.0              7.0
## 206                8.0           6.0              8.0
## 207                8.0           6.0              8.0
## 208                7.0           4.0              7.0
## 209                7.0           5.0              6.0
## 210               10.0           9.0              9.0
## 211                7.0           7.0              7.0
## 212                6.0           4.0              4.0
## 213                8.0           5.0              8.0
## 214                7.0           7.0              7.0
## 215                7.0           6.0              8.0
## 216                9.0           8.0              9.0
## 217                7.0           6.0              7.0
## 218                6.0           6.0              7.0
## 219                6.0           5.0              6.0
## 220                7.0           5.0              7.0
## 221                8.0           7.0              7.0
## 222                7.0           4.0              6.0
## 223                7.0           7.0              6.0
## 224                7.0           6.0              6.0
## 225                7.0           7.0              7.0
## 226                7.0           5.0              7.0
## 227                7.0           7.0              7.0
## 228                5.0           4.0              4.0
## 229                7.0           5.0              5.0
## 230                8.0           6.0              7.0
## 231                5.0           4.0              5.0
## 232                7.0           7.0              7.0
## 233                6.0           6.0              6.0
## 234                7.0           6.0              6.0
## 235                7.0           6.0              6.0
## 236                8.0           6.0              6.0
```

```
## 237                    7.0          6.0              6.0
## 238                    7.0          6.0              7.0
## 239                    7.0          7.0              7.0
## 240                    7.0          6.0              6.0
## 241                    6.0          8.0              6.0
## 242                    6.0          7.0              6.0
## 243                    7.0          8.0              8.0
## 244                    5.0          4.0              4.0
## 245                    5.0          7.0              5.0
## 247                    6.0          6.0              5.0
## 248                    7.0          6.0              7.0
## 249                    7.0          7.0              7.0
## 250                    7.0          7.0              8.0
## 251                    7.0          7.0              7.0
## 252                    8.0          8.0              7.0
## 253                    8.0          7.0              8.0
## 254                    8.0          7.0              8.0
## 255                    7.0          8.0              7.0
## 256                    7.0          7.0              7.0
## 257                    7.0          8.0              7.0
## 258                    7.0          8.0              7.0
## 259                    7.0          8.0              7.0
## 260                    8.0          7.0              8.0
## 261                    7.0          6.0              8.0
## 262                    7.0          7.0              8.0
## 263                    7.0          8.0              8.0
## 264                    7.0          7.0              7.0
## 265                    9.0          6.0              8.0
## 266                    8.0          6.0              8.0
## 267                    8.0          7.0              9.0
## 268                   10.0          4.0             10.0
## 269                    9.0          7.0              9.0
## 270                    7.0          5.0              8.0
## 271                    8.0          6.0             10.0
## 272                    9.0          8.0             10.0
## 273                    8.0          8.0              6.0
## 274                    9.0          8.0              9.0
## 275                    9.0          8.0             10.0
## 276                    8.0          7.0             10.0
## 277                    7.0          5.0              9.0
## 278                    9.0          7.0              8.0
## 279                    8.0          6.0              9.0
## 280                    7.0          8.0              8.0
## 281                    5.0          3.0              5.0
## 282                    5.0          3.0              5.0
## 283                    5.0          3.0              7.0
## 284                    7.0          1.0              7.0
## 285                    7.0          6.0              6.0
## 286                    6.0          1.0              4.0
## 287                    5.0          6.0              5.0
## 288                    6.0          4.0              6.0
## 289                    5.0          7.0              6.0
## 290                    8.0          7.0              7.0
## 291                    6.0          7.0              6.0
```

```
## 292                6.0          5.0          6.0
## 293                6.0          4.0          4.0
## 294                8.0          6.0          7.0
## 295                7.0          2.0          7.0
## 296                6.0          6.0          6.0
## 297                6.0          6.0          6.0
## 298                4.0          2.0          1.0
## 299                6.0          2.0          6.0
## 300                7.0          6.0          4.0
## 301                4.0          2.0          2.0
## 302                6.0          4.0          5.0
## 303                6.0          6.0          4.0
## 304                5.0          4.0          4.0
## 305                4.0          5.0          6.0
## 306                4.0          5.0          6.0
## 307                6.0          7.0          8.0
## 308                6.0          1.0          6.0
## 309                7.0          1.0          4.0
## 310                8.0          3.0          8.0
## 311                7.0          3.0          6.0
## 312                6.0          4.0          3.0
## 313                4.0          4.0          5.0
## 314                6.0          3.0          6.0
## 315                7.0          5.0          5.0
## 316                5.0          3.0          5.0
## 317                7.0          3.0          7.0
## 318                7.0          4.0          7.0
## 319                6.0          5.0          7.0
## 320                6.0          7.0          6.0
## 321                8.0          8.0          8.0
## 322                6.0          8.0          6.0
## 323                7.0          7.0          7.0
## 324                7.0          4.0          6.0
## 325                8.0          5.0          7.0
## 326                8.0          5.0          7.0
## 327                6.0          4.0          6.0
## 328                7.0          6.0          5.0
## 329                6.0          5.0          6.0
## 330                8.0          5.0          9.0
## 331                8.0          7.0          8.0
## 332                6.0          5.0          7.0
## 333                7.0          5.0          6.0
## 334                5.0          2.0          6.0
## 335                7.0          7.0          5.0
## 336                5.0          7.0          7.0
## 337                5.0          7.0          5.0
## 338                7.0          7.0          7.0
## 339                8.0          8.0          7.0
## 340                5.0          2.0          4.0
## 341                8.0          6.0          7.0
## 342                8.0          7.0          9.0
## 343                8.0          4.0          7.0
## 344                8.0          8.0          7.0
## 345                6.0          6.0          6.0
```

```
## 346                   6.0           3.0              6.0
## 347                   6.0           5.0              6.0
## 348                   6.0           5.0              5.0
## 349                   7.0           5.0              8.0
## 350                   7.0           3.0              6.0
## 351                   7.0           7.0              6.0
## 352                   4.0           2.0              6.0
## 353                   8.0           8.0              8.0
## 354                   8.0           6.0              7.0
## 355                   8.0           9.0              8.0
## 356                   5.0           5.0              5.0
## 357                   8.0           5.0              5.0
## 358                   7.0           6.0              6.0
## 359                   6.0           4.0              5.0
## 360                   7.0          10.0              9.0
## 361                   7.0           9.0              7.0
## 362                   9.0           7.0              9.0
## 363                   6.0           7.0              8.0
## 364                   7.0           6.0              9.0
## 365                   9.0           5.0              4.0
## 366                   9.0           5.0              9.0
## 367                   8.0           7.0              8.0
## 368                   8.0           7.0              8.0
## 369                   7.0           9.0              6.0
## 370                   9.0           9.0              6.0
## 371                   8.0           9.0              8.0
## 372                   7.0           6.0              7.0
## 373                   6.0           6.0              9.0
## 374                   9.0           8.0              9.0
## 375                   9.0           8.0              9.0
## 376                   7.0           9.0              7.0
## 377                   7.0          10.0              7.0
## 378                   7.0           4.0              6.0
## 379                   6.0           6.0              6.0
## 380                   7.0           5.0              7.0
## 381                   6.0           2.0              5.0
## 382                   7.0           3.0              7.0
## 383                   9.0           5.0              6.0
## 384                   6.0           7.0              7.0
## 385                   6.0           6.0              7.0
## 386                   8.0           5.0              7.0
## 387                   7.0           7.0             10.0
## 388                   9.0           1.0              9.0
## 389                   8.0           9.0              7.0
## 390                   5.0           6.0              7.0
## 391                   5.0           5.0              6.0
## 392                   6.0           6.0              6.0
## 393                   5.0           4.0              4.0
## 394                   7.0           4.0              4.0
## 395                   5.0           6.0              7.0
## 396                   6.0           4.0              6.0
## 397                   5.0           4.0              5.0
## 398                   6.0           5.0              6.0
## 399                   9.0           7.0              8.0
```

```
## 400           5.0           3.0           5.0
## 401           3.0           3.0           2.0
## 402           8.0           7.0           8.0
## 403           6.0           6.0           7.0
## 404           4.0           2.0           2.0
## 405           5.0           4.0           5.0
## 406           6.0           3.0           7.0
## 407           6.0           5.0           7.0
## 408           5.0           6.0           6.0
## 409           9.0           7.0           7.0
## 410           8.0           6.0           7.0
## 411           9.0           8.0           7.0
## 412           8.0           8.0           7.0
## 413           7.0           7.0           7.0
## 414           9.0           7.0           8.0
## 415           9.0           9.0           8.0
## 416           8.0           8.0           7.0
## 417           7.0           8.0           7.0
## 418           9.0           9.0           9.0
## 419           8.0          10.0           8.0
## 420           6.0           6.0           7.0
## 421          10.0           7.0           7.0
## 422           8.0           8.0           8.0
## 423           8.0           6.0           7.0
## 424           8.0           8.0           8.0
## 425           2.0           3.0           1.0
## 426           2.0           1.0           8.0
## 427           4.0           1.0           5.0
## 428           1.0           1.0           1.0
## 429           1.0           1.0           1.0
## 430           5.0           2.0           8.0
## 431           4.0           3.0           4.0
## 432           5.0           1.0           2.0
## 433           2.0           2.0           2.0
## 434           8.0           8.0          10.0
## 435           8.0           5.0           8.0
## 436           6.0           2.0           5.0
## 437           5.0           2.0           5.0
## 438           8.0           5.0           6.0
## 439           6.0           4.0           5.0
## 440           8.0           6.0           8.0
## 441           5.0           4.0           4.0
## 442           6.0           3.0           4.0
## 443           6.0           7.0           5.0
## 444           8.0           2.0           6.0
## 445           8.0           6.0           9.0
## 446           7.0           4.0           5.0
## 447           9.0           7.0           6.0
## 448           7.0           6.0           6.0
## 449           6.0           9.0           4.0
## 450           5.0           4.0           4.0
## 451           6.0           8.0           4.0
## 452           7.0           7.0           6.0
## 453           6.0           6.0           4.0
```

```
## 454                 7.0          4.0          7.0
## 455                 4.0          2.0          3.0
## 456                 6.0          7.0          4.0
## 457                10.0          3.0         10.0
## 458                10.0          1.0         10.0
## 459                10.0          7.0          7.0
## 460                10.0          4.0          8.0
## 461                 7.0          4.0          5.0
## 462                 8.0          3.0          8.0
## 463                 6.0          9.0          5.0
## 464                 7.0          7.0          4.0
## 465                 5.0          8.0          5.0
## 466                 9.0          8.0          5.0
## 467                 8.0          9.0          9.0
## 468                 9.0          8.0          8.0
## 469                 9.0          3.0          8.0
## 470                 9.0          3.0          9.0
## 471                 9.0          5.0          9.0
## 472                 8.0          8.0          9.0
## 473                 9.0          9.0          9.0
## 474                 9.0          6.0          8.0
## 475                 9.0          7.0          9.0
## 476                 8.0          7.0          6.0
## 477                 7.0          4.0          5.0
## 478                 7.0          1.0          5.0
## 479                 9.0          9.0          6.0
## 480                 8.0          8.0          5.0
## 481                 6.0          7.0          5.0
## 482                 7.0          7.0          9.0
## 483                 8.0         10.0          8.0
## 484                 8.0          1.0          9.0
## 485                 9.0          6.0          9.0
## 486                 9.0          5.0          5.0
## 487                 8.0          5.0          6.0
## 488                 8.0         10.0          7.0
## 489                10.0          6.0          4.0
## 490                 8.0          8.0          6.0
## 491                 3.0          7.0          4.0
## 492                 9.0          9.0          8.0
## 493                 9.0          9.0          8.0
## 494                 9.0          8.0          7.0
## 495                 6.0          8.0          7.0
## 496                 3.0          4.0          3.0
## 497                 8.0          7.0          8.0
## 498                 4.0          4.0          8.0
## 499                10.0          7.0          8.0
## 500                10.0          8.0          5.0
## 501                 6.0          8.0          6.0
## 502                 6.0          5.0          7.0
## 503                 9.0          7.0          8.0
## 504                 8.0          7.0          6.0
## 505                10.0          9.0         10.0
## 506                 9.0         10.0          4.0
## 507                 5.0          5.0          5.0
```

```
## 508              5.0         5.0          5.0
## 509              8.0         8.0          8.0
## 510              5.0         5.0          5.0
## 511              5.0         5.0          5.0
## 512              5.0         5.0          5.0
## 513              8.0         8.0          8.0
## 514              8.0         8.0          8.0
## 515             10.0        10.0         10.0
## 516              8.0         8.0          8.0
## 517             10.0        10.0         10.0
## 518             10.0        10.0         10.0
## 519             10.0        10.0         10.0
## 520             10.0         5.0          5.0
## 521              5.0         5.0          5.0
## 522              5.0         5.0          5.0
## 523              5.0         5.0          5.0
## 524              5.0        10.0          5.0
## 525              9.0         5.0          9.0
## 526              8.0         5.0          5.0
## 527              9.0         8.0          9.0
## 528              7.0         9.0          8.0
## 529              7.0         7.0          5.0
## 530              8.0         9.0          8.0
## 531              8.0         9.0          8.0
## 532              7.0         5.0          8.0
## 533              7.0         6.0          6.0
## 534              8.0         2.0          9.0
## 535             10.0         8.0         10.0
## 536             10.0         8.0         10.0
## 537              7.0         6.0          6.0
## 538              7.0         7.0         10.0
## 539              7.0         5.0          6.0
## 540              9.0         6.0          4.0
## 541              9.0         8.0         10.0
## 542              8.0         6.0          6.0
## 543              6.0         4.0          6.0
## 544              5.0         3.0          5.0
## 545              5.0         4.0          3.0
## 546              6.0         4.0          7.0
## 547              6.0         6.0          5.0
## 548              7.0         5.0          5.0
## 549              5.0         7.0          3.0
## 550              5.0         4.0          6.0
## 551              7.0         3.0          7.0
## 552              6.0         6.0          5.0
## 553              7.0         4.0          4.0
## 554              7.0         3.0          6.0
## 555              5.0         6.0          7.0
## 556              7.0         3.0          7.0
## 557              5.0         4.0          5.0
## 558              7.0         3.0          6.0
## 559              7.0         6.0          7.0
## 560              7.0         7.0          5.0
## 561              8.0         6.0          7.0
```

```
## 562                6.0          6.0           8.0
## 563                8.0         10.0           7.0
## 564                8.0          7.0           8.0
## 565                6.0          7.0           5.0
## 566                7.0          8.0           7.0
## 567                7.0          7.0           6.0
## 568                7.0          6.0           7.0
## 569                7.0          7.0           6.0
## 570                7.0          6.0           7.0
## 571                6.0          7.0           7.0
## 572                7.0          6.0           6.0
## 573                8.0          7.0           6.0
## 574                8.0          7.0           8.0
## 575                7.0          5.0           6.0
## 576                6.0          5.0           7.0
## 577                6.0          7.0           6.0
## 578                5.0          5.0           5.0
## 579                8.0          7.0           9.0
## 580                7.0          5.0           6.0
## 581                7.0          6.0           6.0
## 582                6.0          6.0           5.0
## 583                6.0          7.0           6.0
## 584                8.0          7.0           6.0
## 585                7.0          8.0           6.0
## 586                6.0          7.0           6.0
## 587                6.0          6.0           6.0
## 588                8.0          7.0           8.0
## 589                8.0          8.0           8.0
## 590                7.0          5.0           7.0
## 591                7.0          7.0           7.0
## 592                7.0          6.0           7.0
## 593                8.0          7.0           7.0
## 594                6.0          6.0           5.0
## 595                7.0          9.0           7.0
## 596                5.0          5.0           6.0
## 597               10.0          8.0           9.0
## 598                5.0          5.0           6.0
## 599                9.0          8.0           8.0
## 600                8.0          8.0           7.0
## 601                7.0          8.0           7.0
## 602                9.0         10.0           7.0
## 603                8.0          8.0           7.0
## 604                6.0          8.0           7.0
## 605                8.0          9.0           8.0
## 606                7.0          6.0           7.0
## 607                8.0          7.0          10.0
## 608                7.0          8.0           8.0
## 609                7.0          9.0           8.0
## 610                8.0          6.0           9.0
## 611                8.0          6.0           9.0
## 612                9.0          8.0           9.0
## 613                8.0         10.0           8.0
## 614                7.0          9.0           7.0
## 615                6.0          5.0           5.0
```

639

```
## 616                  6.0            5.0              6.0
## 617                  6.0            4.0              7.0
## 618                  6.0            5.0              6.0
## 619                  5.0            5.0              5.0
## 620                  6.0            6.0              6.0
## 621                  6.0            6.0              4.0
## 622                  5.0            6.0              7.0
## 623                  6.0            3.0              6.0
## 624                  6.0            5.0              7.0
## 625                  7.0            6.0              5.0
## 626                  7.0            6.0              6.0
## 627                  7.0            7.0              7.0
## 628                  6.0            5.0              6.0
## 629                  6.0            5.0              8.0
## 630                  8.0            4.0              6.0
## 631                  7.0            6.0              6.0
## 632                  6.0            5.0              5.0
## 633                  5.0            5.0              8.0
## 634                  6.0            5.0              7.0
## 635                  6.0            4.0              3.0
## 636                  8.0            5.0              7.0
## 637                  7.0            8.0              7.0
## 638                  7.0            9.0              7.0
## 639                  5.0            6.0              7.0
## 640                  9.0            5.0              9.0
## 641                  5.0            4.0              7.0
## 642                  7.0            8.0              7.0
## 643                  8.0            5.0              8.0
## 644                  8.0            5.0              7.0
## 645                  7.0            5.0              5.0
## 646                  8.0            5.0              5.0
## 647                  7.0            7.0              9.0
## 648                  6.0            5.0              4.0
## 649                  7.0            8.0              7.0
## 650                  5.0            6.0              5.0
## 651                  8.0            4.0              6.0
## 652                  7.0            7.0              7.0
## 653                  8.0            6.0              7.0
## 654                  6.0            5.0              6.0
## 655                  7.0            8.0              6.0
## 656                  7.0            7.0              7.0
## 657                  7.0            7.0              7.0
## 658                  8.0            7.0              6.0
## 659                  7.0            7.0              7.0
## 660                  8.0            8.0              9.0
## 661                  8.0            7.0              7.0
## 662                  8.0            8.0              8.0
## 663                  7.0            6.0              7.0
## 664                 10.0            5.0              6.0
## 665                  7.0            7.0             10.0
## 666                  8.0            6.0              8.0
## 667                  7.0            8.0              8.0
## 668                  7.0            8.0              4.0
## 669                  8.0            7.0              7.0
```

```
## 670          7.0          6.0          7.0
## 671          7.0          6.0          7.0
## 672          7.0          9.0          7.0
## 673          7.0          7.0          7.0
## 674          7.0          7.0          7.0
## 675          7.0          7.0          7.0
## 676          7.0          7.0          7.0
## 677          7.0          7.0          7.0
## 678          8.0          8.0          8.0
## 679          7.0          7.0          7.0
## 680          8.0          8.0          8.0
## 681          7.0          7.0          9.0
## 682          7.0          7.0          7.0
## 683          7.0          7.0          7.0
## 684          7.0          7.0          7.0
## 685          7.0          7.0          7.0
## 687          8.0          3.0          2.0
## 688          3.0          2.0          2.0
## 689          4.0          1.0          1.0
## 690          7.0          6.0          6.0
## 691          7.0          6.0          2.0
## 692          5.0          5.0          3.0
## 693          4.0          7.0          5.0
## 694          5.0          3.0          3.0
## 695          6.0          2.0          6.0
## 696          7.0          4.0          5.0
## 697          7.0          9.0          5.0
## 698          8.0          6.0          5.0
## 699          8.0          2.0          8.0
## 700          8.0          1.0          7.0
## 701          8.0          5.0          5.0
## 702          9.0          3.0          7.0
## 703          8.0          6.0          7.0
## 704          8.0          8.0          8.0
## 705          8.0          6.0          7.0
## 706          7.0          6.0          5.0
## 707          6.0          6.0          6.0
## 708          9.0          5.0          6.0
## 709          7.0          7.0          6.0
## 710          7.0          7.0          6.0
## 711          7.0          6.0          6.0
## 712          6.0          7.0          5.0
## 713          7.0          6.0          6.0
## 714          8.0          6.0          7.0
## 715          7.0          7.0          6.0
## 716          6.0          6.0          6.0
## 717          6.0          5.0          5.0
## 718          8.0          6.0          6.0
## 719          6.0          7.0          5.0
## 720          6.0          7.0          6.0
## 721          7.0          7.0          7.0
## 722          6.0          6.0          7.0
## 723          8.0          7.0          7.0
## 724          8.0          7.0          8.0
```

```
## 725           8.0           7.0           8.0
## 726           8.0           8.0           7.0
## 727           8.0           8.0           8.0
## 728           9.0           9.0           8.0
## 729           8.0           8.0           8.0
## 730           8.0           7.0           7.0
## 731           8.0           7.0           8.0
## 732           9.0           8.0           9.0
## 733           9.0           8.0           9.0
## 734           9.0           7.0           9.0
## 735           8.0           8.0           8.0
## 736           8.0           8.0           8.0
## 737           8.0           7.0           8.0
## 738           8.0           7.0           8.0
## 739           9.0           8.0           9.0
## 740           8.0           7.0           9.0
## 741           7.0           7.0           7.0
## 742           7.0           6.0           6.0
## 743           7.0           7.0           9.0
## 744           8.0           7.0           7.0
## 745           9.0           9.0           7.0
## 746           7.0           8.0           7.0
## 747           8.0           9.0           8.0
## 748           7.0           7.0           7.0
## 749           8.0           7.0           8.0
## 750           8.0           8.0           7.0
## 751           8.0           7.0           8.0
## 752           8.0           7.0           7.0
## 753           7.0           8.0           7.0
## 754           9.0           7.0           8.0
## 755           7.0           6.0           7.0
## 756           7.0           6.0           8.0
## 757           9.0           7.0           8.0
## 758           7.0           8.0           7.0
## 759          10.0           7.0           9.0
## 760           9.0           7.0          10.0
## 761          10.0           8.0          10.0
## 762           9.0           8.0           8.0
## 763           8.0          10.0           9.0
## 764           8.0           9.0           9.0
## 765           9.0          10.0           9.0
## 766           8.0           8.0           9.0
## 767          10.0          10.0          10.0
## 768          10.0          10.0          10.0
## 769          10.0           8.0           7.0
## 770           9.0           8.0           8.0
## 771          10.0           9.0          10.0
## 772           8.0           9.0           9.0
## 773           9.0           8.0           9.0
## 774           9.0           7.0           7.0
## 775          10.0          10.0          10.0
## 776          10.0           9.0          10.0
## 777           2.0           3.0           2.0
## 778           9.0           7.0           9.0
```

```
## 779              5.0         3.0          5.0
## 780              8.0         5.0          8.0
## 781              9.0         9.0         10.0
## 782              8.0         6.0          7.0
## 783              5.0         3.0          5.0
## 784              9.0         8.0          9.0
## 785              7.0         3.0          5.0
## 786              9.0         2.0          9.0
## 787              7.0         7.0          7.0
## 788              8.0         7.0          8.0
## 789              9.0         7.0          7.0
## 790              7.0         8.0          9.0
## 791             10.0        10.0         10.0
## 792              9.0         8.0          8.0
## 793             10.0        10.0          9.0
## 794             10.0        10.0         10.0
## 795             10.0        10.0          9.0
## 796             10.0        10.0          9.0
## 797             10.0         5.0          7.0
## 798             10.0         3.0          7.0
## 799              9.0         1.0          1.0
## 800             10.0         9.0          7.0
## 801             10.0         8.0          8.0
## 802             10.0         1.0          7.0
## 803              8.0         1.0          1.0
## 804             10.0         9.0          7.0
## 805             10.0         9.0         10.0
## 806             10.0         5.0          7.0
## 807              7.0         8.0          8.0
## 808              7.0         8.0          7.0
## 809              8.0         7.0          8.0
## 810              8.0         8.0          8.0
## 811              6.0         8.0          8.0
## 812              8.0         8.0          8.0
## 813              8.0         8.0          8.0
## 814              7.0         8.0          9.0
## 815              8.0         8.0          7.0
## 816              8.0         8.0          8.0
## 817              7.0         7.0          8.0
## 818              9.0         9.0          8.0
## 819              7.0         5.0          6.0
## 820              8.0         8.0          8.0
## 821              8.0         7.0          8.0
## 822              8.0         7.0          8.0
## 823              6.0         6.0          7.0
## 824              8.0         7.0          9.0
## 825              8.0         7.0          7.0
## 826              8.0         6.0          8.0
## 827              7.0         5.0          4.0
## 828              7.0         5.0          5.0
## 829              8.0         5.0          5.0
## 830              8.0         5.0          6.0
## 831              9.0         8.0          8.0
## 832              5.0         3.0          5.0
```

```
## 833                5.0          3.0          7.0
## 834                5.0          5.0          8.0
## 835                8.0          7.0          8.0
## 836                4.0          2.0          3.0
## 837                8.0          6.0          8.0
## 838                7.0          6.0          5.0
## 839                7.0          4.0          5.0
## 840                8.0          6.0          4.0
## 841                8.0          6.0          8.0
## 842                6.0          4.0          7.0
## 843                7.0          6.0          6.0
## 844                7.0          6.0          5.0
## 845                6.0          5.0          6.0
## 846                8.0          5.0          8.0
## 847                8.0          7.0          8.0
## 848                7.0          7.0          7.0
## 849                7.0          7.0          7.0
## 850                7.0          7.0          8.0
## 851                8.0          7.0          7.0
## 852                7.0          5.0          7.0
## 853                7.0          7.0          6.0
## 854                7.0          8.0          8.0
## 855                7.0          7.0          7.0
## 856                7.0          6.0          8.0
## 857                6.0          7.0          9.0
## 858                7.0          6.0          6.0
## 859                7.0          8.0          8.0
## 860                7.0          5.0          6.0
## 861                8.0          8.0          7.0
## 862                7.0          5.0          6.0
## 863                6.0          5.0          4.0
## 864                8.0          8.0          6.0
## 865                7.0          7.0          7.0
## 866                7.0          5.0          4.0
## 867                5.0         10.0          7.0
## 868                5.0          4.0          3.0
## 869               10.0         10.0         10.0
## 870                5.0          5.0          5.0
## 871                8.0          6.0          7.0
## 872                7.0          8.0          7.0
## 873                5.0          6.0          4.0
## 874                6.0          5.0          5.0
## 875                5.0          4.0          6.0
## 876                6.0          5.0          5.0
## 877                6.0          5.0          5.0
## 878                7.0          6.0          5.0
## 879                6.0          3.0          7.0
## 880                6.0          7.0          5.0
## 881                5.0          7.0          6.0
## 882                7.0          5.0          5.0
## 883                7.0          4.0          4.0
## 884                8.0          4.0          6.0
## 885                8.0          6.0          7.0
## 886                8.0          7.0          9.0
```

```
## 887              8.0         4.0          9.0
## 888              5.0         8.0          6.0
## 889              7.0         7.0          7.0
## 890              7.0         5.0          5.0
## 891              6.0         8.0          6.0
## 892              9.0         7.0          5.0
## 893              7.0         5.0          6.0
## 894              9.0         7.0          5.0
## 895              9.0         6.0          6.0
## 896              7.0         7.0          7.0
## 897              8.0        10.0          9.0
## 898              8.0         6.0          8.0
## 899              6.0         6.0          5.0
## 900              8.0         7.0          7.0
## 901              8.0        10.0          6.0
## 902              6.0         7.0          7.0
## 903              9.0         8.0          8.0
## 904              9.0         9.0          8.0
## 905              7.0         5.0          7.0
## 906              8.0         7.0          7.0
## 907              7.0         6.0          5.0
## 908              7.0         5.0          6.0
## 909              7.0         7.0          7.0
## 910              8.0         5.0          7.0
## 911              8.0         4.0          7.0
## 912              7.0         7.0          6.0
## 913              6.0         5.0          4.0
## 914              6.0         6.0          6.0
## 915              6.0         6.0          7.0
## 916              7.0         3.0          6.0
## 917              7.0         6.0          5.0
## 918              7.0         6.0          7.0
## 919              6.0         6.0          5.0
## 920              7.0         7.0          6.0
## 921              8.0         8.0         10.0
## 922              6.0         8.0          6.0
## 923              8.0         7.0          7.0
## 924             10.0         7.0          8.0
## 925              9.0         9.0          7.0
## 926              7.0         7.0          3.0
## 927              7.0         9.0          6.0
## 928              8.0         9.0          5.0
## 929              6.0         7.0          7.0
## 930              7.0         6.0          5.0
## 931              7.0         6.0          5.0
## 932              8.0         6.0          5.0
## 933              6.0         4.0          5.0
## 934              6.0         7.0          6.0
## 935              7.0         5.0          6.0
## 936              6.0         8.0          6.0
## 937              5.0        10.0          8.0
## 938              5.0         4.0          6.0
## 939              4.0         4.0          4.0
## 940             10.0         8.0          7.0
```

```
## 941             5.0         2.0          7.0
## 942             8.0         6.0          8.0
## 943             7.0         7.0          7.0
## 944             5.0         7.0          7.0
## 945             8.0         1.0          7.0
## 946             5.0         7.0         10.0
## 947             5.0         5.0          7.0
## 948             8.0         8.0          7.0
## 949             8.0         6.0          6.0
## 950             7.0        10.0          7.0
## 951             5.0         5.0          8.0
## 952             6.0        10.0          7.0
## 953             6.0         7.0          6.0
## 954             8.0         7.0          7.0
## 955             8.0        10.0          7.0
## 956             6.0         6.0          5.0
## 957             7.0         4.0          6.0
## 958             6.0         7.0          6.0
## 959             9.0         6.0          7.0
## 960             8.0         7.0          9.0
## 961             6.0         4.0          7.0
## 962             6.0         3.0          7.0
## 963             6.0         7.0          4.0
## 964             7.0        10.0          8.0
## 965             5.0         5.0          5.0
## 966             8.0        10.0          9.0
## 967             7.0         5.0          6.0
## 968             9.0        10.0          9.0
## 969             7.0         9.0          6.0
## 970             7.0         6.0          7.0
## 971             8.0         9.0          9.0
## 972             7.0         4.0          5.0
## 973             9.0         2.0         10.0
## 974             9.0         4.0          9.0
## 975             9.0         2.0          9.0
## 976             9.0         7.0          7.0
## 977             9.0         2.0          9.0
## 978             9.0         9.0          7.0
## 979             9.0         4.0          7.0
## 980             9.0         2.0          9.0
## 981             8.0         7.0          7.0
## 982             9.0         7.0          7.0
## 983             9.0         9.0          9.0
## 984             9.0         7.0          9.0
## 985             9.0         7.0          7.0
## 986             9.0         9.0          9.0
## 987             7.0         2.0          2.0
## 988            10.0         6.0         10.0
## 989             5.0         2.0          7.0
## 990             9.0         7.0          9.0
## 991             7.0         6.0          9.0
## 992             6.0         5.0          5.0
## 993             7.0         5.0          5.0
## 994             7.0         7.0          7.0
```

```
## 995              2.0         2.0          2.0
## 996              7.0         7.0          7.0
## 997              6.0         6.0          6.0
## 998              6.0         5.0          5.0
## 999              2.0         2.0          2.0
## 1000             5.0         5.0          5.0
## 1001             7.0         8.0          6.0
## 1002             6.0         6.0          6.0
## 1003             5.0         5.0          5.0
## 1004             7.0         7.0          5.0
## 1005             6.0         6.0          6.0
## 1006             5.0         5.0          5.0
## 1007             4.0         4.0          4.0
## 1008             6.0         6.0          6.0
## 1009             8.0         7.0          7.0
## 1010             9.0         8.0          9.0
## 1011             8.0         7.0          8.0
## 1012             8.0         8.0          7.0
## 1013             7.0         6.0          6.0
## 1014             8.0         8.0          7.0
## 1015             8.0         7.0          8.0
## 1016             7.0         6.0          8.0
## 1017             8.0         8.0          8.0
## 1018             8.0         8.0          8.0
## 1019             8.0         6.0          8.0
## 1020             9.0         9.0          8.0
## 1021             8.0         8.0          8.0
## 1022             8.0         8.0          9.0
## 1023             8.0         8.0          8.0
## 1024             8.0         8.0          8.0
## 1025             8.0         8.0          8.0
## 1026             8.0         8.0          9.0
## 1027            10.0         8.0         10.0
## 1028             7.0         5.0          7.0
## 1029             8.0         4.0          7.0
## 1030             9.0         8.0          7.0
## 1031             6.0         4.0          6.0
## 1032             8.0         7.0          9.0
## 1033             8.0         6.0          7.0
## 1034             9.0         2.0          9.0
## 1035            10.0         1.0          7.0
## 1036             8.0         6.0          7.0
## 1037             8.0         8.0          4.0
## 1038             9.0         8.0          2.0
## 1039             8.0         9.0          8.0
## 1040             6.0         8.0          6.0
## 1041             7.0         8.0          7.0
## 1042             8.0         8.0          8.0
## 1043             7.0         6.0          7.0
## 1044             9.0         6.0          7.0
## 1045            10.0        10.0          9.0
## 1046             7.0         5.0          7.0
## 1047             8.0         8.0          9.0
## 1048            10.0         7.0          8.0
```

```
## 1049              7.0          7.0              8.0
## 1050             10.0         10.0             10.0
## 1051             10.0          9.0             10.0
## 1052             10.0          8.0              8.0
## 1053              9.0          6.0              8.0
## 1054              8.0          8.0              9.0
## 1055              9.0          7.0              8.0
## 1056              9.0         10.0              9.0
## 1057              9.0          8.0              9.0
## 1058              9.0         10.0              8.0
## 1059             10.0         10.0              8.0
## 1060             10.0          8.0              8.0
## 1061              8.0          9.0              8.0
## 1062              9.0          8.0              8.0
## 1063              7.0          6.0              9.0
## 1064              8.0          7.0              8.0
## 1065              8.0          5.0              7.0
## 1066              7.0          7.0              7.0
## 1067              7.0          4.0              5.0
## 1068              8.0          8.0              8.0
## 1069              7.0          4.0              5.0
## 1070              8.0          7.0              8.0
## 1071              8.0          6.0              7.0
## 1072              8.0          8.0              8.0
## 1073              8.0          6.0              6.0
## 1074              8.0          8.0              8.0
## 1075              8.0          8.0              8.0
## 1076              8.0          7.0              5.0
## 1077              9.0          6.0              7.0
## 1078              8.0          9.0              6.0
## 1079              8.0          4.0              8.0
## 1080              6.0          8.0              7.0
## 1081              0.0         10.0              0.0
## 1082              7.0          5.0              5.0
## 1083              8.0          6.0              6.0
## 1084              7.0          4.0              7.0
## 1085              5.0          2.0              2.0
## 1086              6.0          7.0              5.0
## 1087              7.0          4.0              7.0
## 1088              7.0          2.0              2.0
## 1089              6.0          3.0              7.0
## 1090              5.0          5.0              5.0
## 1091              5.0          5.0              5.0
## 1092              7.0          8.0              7.0
## 1093              8.0          6.0              5.0
## 1094              8.0          5.0              7.0
## 1095              8.0          7.0              7.0
## 1096              9.0          6.0              5.0
## 1097              5.0          4.0              9.0
## 1098              5.0          4.0              5.0
## 1099              4.0          1.0             10.0
## 1100              7.0          5.0              6.0
## 1101              6.0          6.0              6.0
## 1102              7.0          7.0              5.0
```

```
## 1103                8.0          1.0              1.0
## 1104                7.0          6.0              6.0
## 1105                8.0          5.0              8.0
## 1106                9.0          4.0              8.0
## 1107                8.0          6.0              5.0
## 1108                7.0          6.0              6.0
## 1109                8.0          7.0              9.0
## 1110                8.0          6.0              6.0
## 1111                7.0          6.0              8.0
## 1112                6.0          5.0              6.0
## 1113                6.0          4.0              6.0
## 1114                7.0          5.0              6.0
## 1115                5.0          7.0              5.0
## 1116                6.0          2.0              6.0
## 1117                8.0          9.0              5.0
## 1118                6.0          7.0              7.0
## 1119                7.0          4.0              7.0
## 1120                7.0          7.0              7.0
## 1121                7.0          5.0              5.0
## 1122                6.0          5.0              5.0
## 1123                6.0          5.0              5.0
## 1124                7.0          5.0              7.0
## 1125                6.0          5.0              5.0
## 1126                6.0          5.0              5.0
## 1127                7.0          8.0              5.0
## 1128                8.0          8.0              8.0
## 1129                7.0          7.0              7.0
## 1130                7.0          6.0              6.0
## 1131                6.0          7.0             10.0
## 1132                7.0          7.0              5.0
## 1133                7.0          7.0              7.0
## 1134                5.0          5.0              5.0
## 1135                2.0          1.0              1.0
## 1136                2.0          2.0              2.0
## 1137                6.0          5.0              7.0
## 1138                6.0          6.0              7.0
## 1139                8.0          5.0              9.0
## 1140                7.0          7.0              8.0
## 1141                9.0          5.0              9.0
## 1142                4.0          2.0              4.0
## 1143                4.0          5.0              4.0
## 1144                6.0          4.0              7.0
## 1145                4.0          5.0              5.0
## 1146                7.0          7.0              9.0
## 1147                5.0          4.0              7.0
## 1148                8.0          9.0              8.0
## 1149                7.0          6.0              7.0
## 1150                7.0          8.0              8.0
## 1151                6.0          7.0              5.0
## 1152                7.0          7.0              7.0
## 1153               10.0          1.0             10.0
## 1154               10.0          2.0             10.0
## 1155                9.0          2.0             10.0
## 1156               10.0          7.0             10.0
```

```
## 1157            10.0            3.0            10.0
## 1158            10.0            8.0            10.0
## 1159            10.0            6.0            10.0
## 1160            10.0            3.0            10.0
## 1161            10.0            1.0            10.0
## 1162             7.0            6.0            10.0
## 1163            10.0            5.0             8.0
## 1164            10.0           10.0            10.0
## 1165            10.0            2.0             2.0
## 1166            10.0           10.0            10.0
## 1167            10.0            5.0            10.0
## 1168            10.0           10.0            10.0
## 1169            10.0           10.0            10.0
## 1170            10.0           10.0            10.0
## 1171             8.0            5.0             7.0
## 1172             8.0            7.0             7.0
## 1173             9.0            7.0             8.0
## 1174             9.0            8.0             9.0
## 1175             7.0            6.0             7.0
## 1176             9.0            9.0             9.0
## 1177            10.0           10.0             9.0
## 1178             8.0            6.0             6.0
## 1179             9.0            6.0             7.0
## 1180             8.0            7.0             8.0
## 1181             9.0            8.0             8.0
## 1182             9.0            7.0             7.0
## 1183            10.0            9.0            10.0
## 1184            10.0           10.0             7.0
## 1185             8.0           10.0             8.0
## 1186            10.0            8.0             8.0
## 1187            10.0           10.0             7.0
## 1188            10.0            9.0             9.0
## 1189             5.0            0.0             9.0
## 1190             7.0            8.0             6.0
## 1191             6.0            5.0             6.0
## 1192             8.0            7.0             7.0
## 1193             6.0            5.0             4.0
## 1194             7.0            6.0             5.0
## 1195             8.0            6.0             7.0
## 1196             8.0            4.0             5.0
## 1197             6.0            5.0             6.0
## 1198             5.0            6.0             4.0
## 1199            10.0           10.0            10.0
## 1200             6.0            7.0             7.0
## 1201             7.0            8.0             7.0
## 1202             8.0            7.0             8.0
## 1203             6.0            6.0             4.0
## 1204             7.0            5.0             6.0
## 1205             6.0            7.0             8.0
## 1206             7.0            6.0             6.0
## 1207             7.0            7.0             8.0
## 1208             6.0            6.0             7.0
## 1209             6.0            6.0             6.0
## 1210             8.0            6.0             7.0
```

```
## 1211          8.0          5.0          8.0
## 1212          8.0          8.0          8.0
## 1213          8.0          7.0          7.0
## 1214          8.0          5.0          7.0
## 1215          7.0          6.0          5.0
## 1216          8.0          7.0          7.0
## 1217          7.0          7.0          7.0
## 1218         10.0         10.0         10.0
## 1219          8.0          7.0          7.0
## 1220          8.0          8.0          7.0
## 1221          8.0          7.0          6.0
## 1222          8.0          8.0          8.0
## 1223          8.0          8.0          8.0
## 1224          8.0          7.0          7.0
## 1225          9.0          3.0          8.0
## 1226          9.0          4.0          8.0
## 1227         10.0          6.0          9.0
## 1228         10.0          8.0          9.0
## 1229          8.0          3.0          8.0
## 1230          9.0         10.0          9.0
## 1231          9.0          4.0          9.0
## 1232         10.0          8.0          9.0
## 1233          9.0          7.0          8.0
## 1234          8.0          5.0          8.0
## 1235          8.0          7.0          8.0
## 1236          9.0          9.0          8.0
## 1237          8.0          8.0          8.0
## 1238          9.0         10.0          9.0
## 1239         10.0          9.0          8.0
## 1240          9.0          7.0          9.0
## 1241          9.0          8.0          8.0
## 1242          8.0          7.0          8.0
## 1243          7.0          7.0          8.0
## 1244          7.0          7.0          7.0
## 1245          7.0          6.0          6.0
## 1246          8.0          8.0          7.0
## 1247          6.0          6.0          6.0
## 1248          7.0          7.0          7.0
## 1249          7.0          7.0          7.0
## 1250          7.0          6.0          7.0
## 1251          7.0          6.0          7.0
## 1252          7.0          7.0          7.0
## 1253          7.0          8.0          8.0
## 1254          7.0          7.0          7.0
## 1255          7.0          7.0          7.0
## 1256          7.0          7.0          7.0
## 1257          7.0          7.0          7.0
## 1258          7.0          6.0          7.0
## 1259          7.0          6.0          6.0
## 1260          7.0          7.0          7.0
## 1261          6.0          7.0          7.0
## 1262          7.0          7.0          7.0
## 1263          6.0          6.0          5.0
## 1264          8.0          8.0          6.0
```

## 1265	7.0	7.0	7.0
## 1266	8.0	8.0	8.0
## 1267	8.0	8.0	6.0
## 1268	7.0	7.0	7.0
## 1269	6.0	6.0	6.0
## 1270	7.0	7.0	7.0
## 1271	8.0	8.0	6.0
## 1272	7.0	7.0	7.0
## 1273	6.0	6.0	6.0
## 1274	5.0	5.0	5.0
## 1275	9.0	3.0	3.0
## 1276	8.0	8.0	8.0
## 1277	8.0	6.0	7.0
## 1278	9.0	8.0	6.0
## 1279	7.0	8.0	4.0
## 1280	5.0	6.0	5.0
## 1281	7.0	4.0	4.0
## 1282	7.0	6.0	5.0
## 1283	7.0	5.0	6.0
## 1284	6.0	8.0	6.0
## 1285	5.0	6.0	5.0
## 1286	8.0	6.0	7.0
## 1287	6.0	6.0	6.0
## 1288	6.0	6.0	5.0
## 1289	8.0	9.0	6.0
## 1290	6.0	6.0	6.0
## 1291	7.0	7.0	7.0
## 1292	6.0	4.0	6.0
## 1293	5.0	4.0	5.0
## 1294	8.0	7.0	8.0
## 1295	7.0	7.0	4.0
## 1296	7.0	8.0	5.0
## 1297	7.0	8.0	7.0
## 1298	7.0	6.0	7.0
## 1299	6.0	6.0	6.0
## 1300	9.0	9.0	8.0
## 1301	7.0	6.0	7.0
## 1302	7.0	8.0	7.0
## 1303	8.0	8.0	7.0
## 1304	7.0	6.0	6.0
## 1305	8.0	8.0	8.0
## 1306	7.0	7.0	7.0
## 1307	9.0	8.0	7.0
## 1308	6.0	7.0	7.0
## 1309	7.0	7.0	7.0
## 1310	7.0	7.0	7.0
## 1311	7.0	6.0	6.0
## 1312	8.0	8.0	8.0
## 1313	7.0	6.0	7.0
## 1314	8.0	8.0	7.0
## 1315	7.0	7.0	7.0
## 1316	9.0	9.0	6.0
## 1317	8.0	7.0	6.0
## 1318	8.0	6.0	7.0

```
## 1319            7.0        4.0        6.0
## 1320            8.0        7.0        8.0
## 1321            6.0        5.0        6.0
## 1322            7.0        6.0        8.0
## 1323            7.0        7.0        6.0
## 1324            6.0        5.0        7.0
## 1325            8.0        8.0        8.0
## 1326            7.0        7.0        6.0
## 1327            6.0        5.0        7.0
## 1328            7.0        7.0        7.0
## 1329            8.0        4.0        9.0
## 1330            8.0        8.0        9.0
## 1331            8.0        6.0        8.0
## 1332            8.0        8.0        7.0
## 1333           10.0        7.0        7.0
## 1334           10.0        7.0        7.0
## 1335           10.0        7.0        7.0
## 1336           10.0        7.0        7.0
## 1337           10.0        7.0        7.0
## 1338           10.0        7.0        7.0
## 1339           10.0        7.0        7.0
## 1340           10.0        7.0        7.0
## 1341           10.0        7.0        7.0
## 1342           10.0        7.0        7.0
## 1343           10.0       10.0        7.0
## 1344           10.0        7.0        7.0
## 1345           10.0       10.0        7.0
## 1346           10.0        7.0        7.0
## 1347           10.0        7.0       10.0
## 1348           10.0        7.0        7.0
## 1349           10.0        7.0        7.0
## 1350           10.0        7.0        7.0
## 1351            8.0        5.0        7.0
## 1352            9.0        8.0        8.0
## 1353            3.0        4.0        2.0
## 1354            8.0        8.0        8.0
## 1355            6.0        7.0        5.0
## 1356            7.0        5.0        5.0
## 1357            7.0        4.0        3.0
## 1358            8.0        8.0        9.0
## 1359            7.0        7.0        7.0
## 1360            9.0        5.0        4.0
## 1361            7.0        4.0        8.0
## 1362            8.0        8.0        7.0
## 1363            5.0        4.0        5.0
## 1364            8.0        7.0        7.0
## 1365            8.0        6.0        5.0
## 1366            8.0        7.0        8.0
## 1367            8.0        5.0        7.0
## 1368            7.0        5.0        9.0
## 1369            8.0        7.0        7.0
## 1370            6.0        5.0        5.0
## 1371            7.0        7.0        8.0
## 1372            8.0        8.0        6.0
```

```
## 1373                  8.0            7.0             8.0
## 1374                  9.0            9.0             9.0
## 1375                  9.0            8.0             8.0
## 1376                  8.0            8.0             8.0
## 1377                  9.0            8.0             7.0
## 1378                  9.0            9.0             7.0
## 1379                  9.0            9.0             7.0
## 1380                  8.0            8.0             6.0
## 1381                  9.0            9.0             9.0
## 1382                  8.0            9.0             8.0
## 1383                  7.0            2.0             4.0
## 1384                  9.0            9.0             9.0
## 1385                  8.0            7.0             6.0
## 1386                 10.0           10.0             8.0
## 1387                  8.0            8.0             7.0
## 1388                  6.0            5.0             7.0
## 1389                  6.0            5.0             7.0
## 1390                  8.0            6.0             7.0
## 1391                  7.0            7.0             7.0
## 1392                  7.0            7.0             7.0
## 1393                  8.0            9.0             7.0
## 1394                  8.0            7.0             7.0
## 1395                  8.0            7.0             7.0
## 1396                  7.0            8.0             7.0
## 1397                  8.0            9.0             7.0
## 1398                  6.0            6.0             7.0
## 1399                  8.0            7.0             7.0
## 1400                  9.0            6.0             9.0
## 1401                  9.0            6.0             8.0
## 1402                  7.0            8.0             7.0
## 1403                  8.0            7.0             7.0
## 1404                  8.0            8.0             7.0
## 1405                  8.0           10.0             6.0
## 1406                  6.0            6.0             6.0
## 1407                  6.0            3.0             6.0
## 1408                  4.0            4.0             6.0
## 1409                  8.0            7.0             7.0
## 1410                  7.0            8.0             8.0
## 1411                  8.0            9.0             8.0
## 1412                  8.0            8.0             5.0
## 1413                  7.0            5.0             5.0
## 1414                  7.0            2.0             7.0
## 1415                  8.0            8.0             8.0
## 1416                  6.0            7.0             4.0
## 1417                  6.0            6.0             7.0
## 1418                  7.0            1.0             3.0
## 1419                  7.0            2.0             2.0
## 1420                  8.0            8.0            10.0
## 1421                  8.0            6.0             8.0
## 1422                  7.0            6.0             6.0
## 1423                  9.0            7.0             7.0
## 1424                  7.0            7.0             7.0
## 1425                  6.0            6.0             6.0
## 1426                  8.0            6.0             7.0
```

```
## 1427              8.0          6.0              7.0
## 1428              8.0          8.0              8.0
## 1429              6.0          6.0              6.0
## 1430              8.0          8.0              8.0
## 1431              9.0          8.0              8.0
## 1432              8.0          8.0              7.0
## 1433              7.0          7.0              7.0
## 1434              7.0          7.0              7.0
## 1435              7.0          6.0              7.0
## 1436              8.0          7.0              8.0
## 1437              8.0          5.0              5.0
## 1438              8.0          8.0              8.0
## 1439              6.0          6.0              6.0
## 1440              7.0          8.0              7.0
## 1441              7.0          6.0              6.0
## 1442              6.0          6.0              6.0
## 1443              6.0          6.0              4.0
## 1444              7.0          7.0              7.0
## 1445              8.0          6.0              7.0
## 1446              7.0          7.0              7.0
## 1447              7.0          8.0              6.0
## 1448              6.0          7.0              7.0
## 1449              6.0          6.0              6.0
## 1450              6.0          6.0              5.0
## 1451              7.0          8.0              7.0
## 1452              6.0          6.0              6.0
## 1453              6.0          6.0              6.0
## 1454              7.0          6.0              7.0
## 1455             10.0         10.0             10.0
## 1456              7.0          6.0              8.0
## 1457              6.0          6.0              6.0
## 1458              6.0          8.0              6.0
## 1459              8.0          9.0              8.0
## 1460              8.0          8.0              7.0
## 1461              8.0          6.0              4.0
## 1462              8.0          9.0              5.0
## 1463              9.0          6.0              5.0
## 1464              9.0          8.0             10.0
## 1465              7.0          6.0              7.0
## 1466              8.0          7.0              5.0
## 1467              9.0          8.0              7.0
## 1468              8.0          7.0              6.0
## 1469              8.0          8.0              7.0
## 1470              7.0          6.0              7.0
## 1471              8.0          8.0              7.0
## 1472              9.0          6.0              8.0
## 1473              7.0          5.0              6.0
## 1474             10.0          9.0              7.0
## 1475              8.0          7.0              6.0
## 1476              8.0          7.0              6.0
## 1477              7.0          8.0              4.0
## 1478              7.0          6.0              4.0
## 1479             10.0          8.0              8.0
## 1480             10.0          6.0              9.0
```

```
## 1481               7.0          3.0         10.0
## 1482               6.0          3.0         10.0
## 1483               5.0          5.0          3.0
## 1484              10.0         10.0         10.0
## 1485              10.0          8.0          8.0
## 1486               6.0          3.0          6.0
## 1487               7.0          8.0          9.0
## 1488               6.0          8.0          4.0
## 1489               8.0          8.0          6.0
## 1490               8.0          8.0         10.0
## 1491               8.0          3.0          7.0
## 1492              10.0         10.0         10.0
## 1493               4.0          4.0          6.0
## 1494              10.0          8.0          8.0
## 1495               9.0          9.0          9.0
## 1496               8.0          8.0          9.0
## 1497               6.5          5.0          5.0
## 1498               9.0          7.0          6.0
## 1499               8.0          5.5          6.0
## 1500               9.0          9.0          9.0
## 1501               8.0          8.0          7.0
## 1502               9.0          8.0          7.0
## 1503               8.5          6.5          9.0
## 1504               7.0          8.0          6.0
## 1505               8.0          7.0          8.0
## 1506               9.0          9.0          9.0
## 1507               9.0          9.0          9.0
## 1508               9.0          6.0          9.0
## 1509               8.0          6.0          6.0
## 1510               8.0          8.0          8.0
## 1511               9.0          9.0          9.0
## 1512               9.0          9.5          9.5
## 1513               8.0          7.0          5.0
## 1514               7.0          6.0          5.0
## 1515               5.0          5.0          4.0
## 1516               7.0          7.0          4.0
## 1517               8.0          7.0          6.0
## 1518               6.0          7.0          6.0
## 1519               6.0          7.0          5.0
## 1520               5.0          7.0          6.0
## 1521               9.0          8.0          8.0
## 1522               6.0          5.0          4.0
## 1523               8.0          7.0          7.0
## 1524               6.0          6.0          7.0
## 1525               7.0          8.0          5.0
## 1526               7.0          6.0          6.0
## 1527               7.0          6.0          5.0
## 1528               7.0          9.0          8.0
## 1529               6.0          6.0          8.0
## 1530               7.0          7.0          6.0
## 1531               8.0          8.0          8.0
## 1532               8.0          7.0          5.0
## 1533               8.0          8.0          8.0
## 1534               7.0          7.0          7.0
```

```
## 1535                7.0          7.0            7.0
## 1536                8.0          6.0            8.0
## 1537                8.0          8.0            7.0
## 1538                8.0          7.0            7.0
## 1539                8.0          8.0            6.0
## 1540                8.0          8.0            7.0
## 1541                8.0          8.0            7.0
## 1542                8.0          8.0            7.0
## 1543                7.0          6.0            6.0
## 1544                8.0          6.0            8.0
## 1545                8.0          6.0            8.0
## 1546                8.0          7.0            8.0
## 1547                8.0          6.0            8.0
## 1548                8.0          7.0            7.0
## 1549                8.0          8.0            7.0
## 1550                8.0          6.0            9.0
## 1551                7.0          4.0            6.0
## 1552                9.0          8.0            6.0
## 1553                8.0          6.0            9.0
## 1554                8.0          5.0           10.0
## 1555                9.0          8.0            6.0
## 1556                9.0          8.0            8.0
## 1557                7.0          6.0            8.0
## 1558                8.0          8.0            8.0
## 1559                9.0          8.0            7.0
## 1560                8.0          7.0            9.0
## 1561                8.0          7.0            6.0
## 1562                8.0          5.0            9.0
## 1563                8.0          4.0            7.0
## 1564                8.0          7.0            8.0
## 1565                8.0          8.0            7.0
## 1566                8.0          7.0            8.0
## 1567                8.0          8.0            6.0
## 1568                7.0          5.0            6.0
## 1569                5.0          2.0            2.0
## 1570                5.0          5.0            3.0
## 1571                6.0          3.0            5.0
## 1572                7.0          6.0            8.0
## 1573                5.0          5.0            5.0
## 1574                6.0          7.0            5.0
## 1575                6.0          5.0            5.0
## 1576                7.0          6.0            7.0
## 1577                7.0          4.0            7.0
## 1578                7.0          5.0            5.0
## 1579                7.0          5.0            5.0
## 1580                6.0          6.0            8.0
## 1581                5.0          4.0            5.0
## 1582                8.0          5.0            6.0
## 1583                6.0          3.0            4.0
## 1584                7.0          5.0            5.0
## 1585                7.0          9.0            7.0
## 1586                7.0          4.0            9.0
## 1587                6.0          2.0            8.0
## 1588                8.0          8.0            7.0
```

```
## 1589              9.0         6.0          8.0
## 1590              7.0         8.0          8.0
## 1591              8.0         8.0          7.0
## 1592              6.0         2.0          5.0
## 1593              9.0        10.0          5.0
## 1594              6.0         5.0          5.0
## 1595              8.0         1.0         10.0
## 1596             10.0        10.0         10.0
## 1597              8.0         7.0          7.0
## 1598              8.0        10.0          7.0
## 1599              9.0         8.0          7.0
## 1600              8.0         3.0          6.0
## 1601              6.0         7.0          4.0
## 1602              6.0         6.0          5.0
## 1603              4.0         2.0          9.0
## 1604              5.0         6.0          5.0
## 1605              5.0         5.0          5.0
## 1606              2.0         2.0          6.0
## 1607              7.0         8.0          7.0
## 1608              4.0         5.0          3.0
## 1609             10.0        10.0         10.0
## 1610             10.0         7.0          6.0
## 1611             10.0         2.0         10.0
## 1612             10.0        10.0         10.0
## 1613             10.0         8.0         10.0
## 1614              9.0         9.0         10.0
## 1615              9.0         8.0          8.0
## 1617             10.0        10.0         10.0
## 1618              8.0         8.0          8.0
## 1619              8.0         2.0         10.0
## 1620              8.0         9.0          8.0
## 1621             10.0         7.0          9.0
## 1622              6.0         7.0          5.0
## 1623              8.0         6.0          6.0
## 1624              7.0         3.0          7.0
## 1625             10.0        10.0         10.0
## 1626              8.0         7.0          8.0
## 1627              7.0         5.0          9.0
## 1628             10.0        10.0         10.0
## 1629              9.0         7.0          8.0
## 1630              7.0         6.0          8.0
## 1631              6.0         6.0          6.0
## 1633              5.0         5.0          5.0
## 1634              7.0         8.0          9.0
## 1635              8.0         7.0          8.0
## 1636              8.0         9.0          8.0
## 1637              8.0         7.0          6.0
## 1638              9.0        10.0          8.0
## 1639              7.0         7.0          7.0
## 1640              6.0         2.0          7.0
## 1641              7.0         8.0          8.0
## 1642              6.0         2.0          2.0
## 1643              4.0         1.0          6.0
## 1644              8.0         6.0          8.0
```

```
## 1645                8.0            7.0            8.0
## 1646                5.0            2.0            2.0
## 1647                8.0            6.0            5.0
## 1648                6.0            5.0            7.0
## 1649               10.0            7.0            7.0
## 1650                7.0            5.0           10.0
## 1651                7.0            6.0            6.0
## 1652               10.0            8.0            8.0
## 1653               10.0            7.0           10.0
## 1654                2.0            1.0            1.0
## 1655               10.0            5.0            7.0
## 1656               10.0            8.0           10.0
## 1657                9.0            9.0            9.0
## 1658               10.0           10.0           10.0
## 1659                7.0            7.0            7.0
## 1660               10.0           10.0           10.0
## 1661               10.0           10.0           10.0
## 1662               10.0           10.0           10.0
## 1663                8.0            7.0            8.0
## 1664                7.0            7.0            7.0
## 1665                8.0            7.0            6.0
## 1666                7.0            6.0            4.0
## 1667                5.0            4.0            4.0
## 1668                6.0            5.0            4.0
## 1669                4.0            4.0            5.0
## 1670                5.0            4.0            4.0
## 1671                5.0            6.0            5.0
## 1672                5.0            6.0            7.0
## 1673                8.0            5.0            7.0
## 1674                5.0            4.0            5.0
## 1675                7.0            4.0            4.0
## 1676                7.0            5.0            5.0
## 1677                8.0            7.0            7.0
## 1678                4.0            4.0            4.0
## 1679                3.0            2.0            5.0
## 1680                6.0            5.0            5.0
## 1681                4.0            5.0            3.0
## 1682                6.0            6.0            8.0
## 1683                9.0            6.0            7.0
## 1684                9.0            9.0            8.0
## 1685                7.0            7.0            7.0
## 1686                8.0            6.0            7.0
## 1687                9.0           10.0            9.0
## 1688               10.0           10.0           10.0
## 1689                6.0           10.0           10.0
## 1690                6.0            6.0            6.0
## 1691                7.0            8.0            7.0
## 1692                6.0            5.0            4.0
## 1693                7.0            6.0            6.0
## 1694                9.0            9.0            8.0
## 1695                7.0            6.0            7.0
## 1696                6.0            6.0            6.0
## 1697                8.0            9.0            7.0
## 1698                7.0            7.0            7.0
```

```
## 1699              8.0         9.0              7.0
## 1700              7.0         7.0              6.0
## 1701              7.0         6.0              6.0
## 1702              9.0        10.0              8.0
## 1703              5.0         5.0              5.0
## 1704              7.0         2.0              5.0
## 1705              7.0        10.0              7.0
## 1706              7.0         7.0              5.0
## 1707              8.0         8.0             10.0
## 1708              8.0         6.0              7.0
## 1709              7.0         8.0              5.0
## 1710              7.0         0.0              5.0
## 1711              8.0         9.0              9.0
## 1712              9.0         8.0              8.0
## 1713              9.0         8.0              8.0
## 1714              6.0        10.0              8.0
## 1715              7.0         7.0              8.0
## 1716              9.0         9.0              7.0
## 1717              9.0         7.0              8.0
## 1718             10.0        10.0              8.0
## 1719              7.0         7.0              8.0
## 1720              5.0         5.0              5.0
## 1721              5.0         5.0              5.0
## 1722              5.0         5.0              5.0
## 1724              5.0         5.0              5.0
## 1726              6.0         6.0              6.0
## 1727              7.0         6.0              6.0
## 1728             10.0         6.0              7.0
## 1729              7.0         9.0              6.0
## 1730              8.0         8.0              8.0
## 1731              9.0         5.0              9.0
## 1732              9.0         9.0              9.0
## 1733              8.0         8.0              7.0
## 1734              7.0         8.0              6.0
## 1735              8.0         7.0              8.0
## 1736              5.0         6.0              6.0
## 1737              7.0         8.0              8.0
## 1738              5.0         7.0              5.0
## 1739              7.0         9.0             10.0
## 1740              9.0         8.0              7.0
## 1741              8.0         5.0              8.0
## 1742              9.0         9.0             10.0
## 1743              6.0         5.0              6.0
## 1744              7.0         7.0              7.0
## 1745              8.0         7.0              7.0
## 1746              7.0         8.0              4.0
## 1747              8.0         8.0              7.0
## 1748              7.0         8.0              8.0
## 1749              9.0         8.0              9.0
## 1750             10.0         6.0              7.0
## 1751              9.0         8.0              8.0
## 1752              8.0         7.0              7.0
## 1753              4.0         6.0              6.0
## 1754              8.0         9.0              8.0
```

```
## 1755              8.0              2.0              7.0
## 1756              6.0              1.0              7.0
## 1757              8.0              8.0              7.0
## 1758             10.0              6.0              8.0
## 1759              9.0              7.0              6.0
## 1760              7.0              6.0              5.0
## 1761              7.0              7.0              7.0
## 1762              8.0              6.0              8.0
## 1763              7.5              7.0              7.0
## 1764              8.0              7.0              7.0
## 1765              7.0              7.0              7.0
## 1766              9.0              9.0              6.0
## 1767              8.0              7.0              6.0
## 1768              8.0              8.0              6.0
## 1769              6.0              4.0              6.0
## 1770              9.0              8.0              7.0
## 1771              8.0              8.0             10.0
## 1772              9.0              8.0              8.0
## 1773              9.0              8.0              8.0
## 1774              8.0              8.0              8.0
## 1775             10.0              8.0              5.0
## 1776              7.0              6.0              5.0
## 1777              6.0              8.0              9.0
## 1778              8.0              8.0              8.0
## 1779              9.0             10.0              9.0
## 1780             10.0             10.0             10.0
## 1781              7.0              9.0              8.0
## 1782              9.0              5.0              6.0
## 1783              8.0              8.0              8.0
## 1784              8.0              9.0              9.0
## 1785              8.0              6.0              7.0
## 1786              8.0              5.0              7.0
## 1787              7.0              8.0              7.0
## 1788              8.0              9.0              8.0
## 1789              9.0              8.0              9.0
## 1790              9.0              8.0              9.0
## 1791              9.0              8.0              8.0
## 1792              9.0             10.0              6.0
## 1793              9.0              8.0              8.0
## 1794              7.0              6.0              4.0
## 1795              9.0              9.0              9.0
## 1796              9.0              8.0              8.0
## 1797              9.0              6.0              7.0
## 1798              9.0              7.0              8.0
## 1799              9.0              8.0              8.0
## 1800              8.0              9.0              8.0
## 1801              7.0              4.0              7.0
## 1802              8.0              5.0              7.0
## 1803              8.0              8.0              8.0
## 1804              8.0             10.0              7.0
## 1805              8.0              8.0              7.0
## 1806              7.0              8.0              7.0
## 1807              7.0              7.0              6.0
## 1808              6.0              5.0              6.0
```

```
## 1809              8.0              7.0              7.0
## 1810              8.0              7.0              7.0
## 1811              6.0              6.0              5.0
## 1812              8.0              8.0              6.0
## 1813              8.0              6.0              7.0
## 1814              8.0              7.0              7.0
## 1815              7.0              7.0              8.0
## 1816              8.0              6.0              7.0
## 1817             10.0              7.0              9.0
## 1818             10.0             10.0             10.0
## 1819              7.0             10.0              7.0
## 1820              9.0              9.0              8.0
## 1821              9.0              8.0              9.0
## 1822              8.0              7.0              9.0
## 1823             10.0              9.0              8.0
## 1824              7.0              7.0              5.0
## 1825              7.0              7.0              7.0
## 1826              9.0              8.0              7.0
## 1827              8.0              8.0              7.0
## 1828              9.0              7.0              7.0
## 1829              9.0              7.0              7.0
## 1830              9.0              7.0              8.0
## 1831              9.0              7.0              8.0
## 1832             10.0             10.0             10.0
## 1833              8.0              7.0              7.0
## 1834             10.0              8.0              7.0
## 1835              7.0              8.0              8.0
## 1836              8.0              7.0              7.0
## 1837             10.0              7.0              8.0
## 1838              8.0              8.0              7.0
## 1839             10.0             10.0              8.0
## 1840              7.0              7.0              7.0
## 1841              6.0              6.0              7.0
## 1842              8.0              7.0              7.0
## 1843             10.0              7.0              7.0
## 1844              8.0              8.0              7.0
## 1845              8.0              7.0              7.0
## 1846              8.0              7.0              7.0
## 1847              8.0              7.0              7.0
## 1848              8.0              8.0              7.0
## 1849              8.0              5.0              5.0
## 1850              8.0              5.0              5.0
## 1851              7.0              8.0              9.0
## 1852              7.0              6.0              6.0
## 1853              6.0              6.0              5.0
## 1854              8.0              7.0              7.0
## 1855              8.0              6.0              6.0
## 1856              7.0              5.0              6.0
## 1857              8.0              6.0              8.0
## 1858              6.0              6.0              6.0
## 1859              8.0              4.0              4.0
## 1860              8.0              7.0              7.0
## 1861              8.0              4.0              6.0
## 1862              9.0              4.0              6.0
```

```
## 1863          10.0      10.0       8.0
## 1864           8.0       8.0       4.0
## 1865           8.0       2.0       6.0
## 1866           8.0       2.0       7.0
## 1867           7.0       8.0       8.0
## 1868           8.0       5.0       5.0
## 1869           8.0       4.0       9.0
## 1870           9.0       8.0       8.0
## 1871           7.0       6.0       7.0
## 1872           6.0       1.0       5.0
## 1873           7.0       5.0       5.0
## 1874           8.0       5.0       8.0
## 1875           8.0       4.0       2.0
## 1876           8.0       5.0       5.0
## 1877           8.0       4.0       8.0
## 1878           8.0       7.0       8.0
## 1879           8.0      10.0      10.0
## 1880           9.0       5.0       8.0
## 1881           7.0       4.0       7.0
## 1882           8.0       4.0       6.0
## 1883           8.0       8.0       8.0
## 1884           8.0       8.0       6.0
## 1885           7.0       4.0       8.0
## 1886           6.0       4.0       4.0
## 1887           8.0       3.0       3.0
## 1888           6.0       4.0       4.0
## 1889           6.0       3.0       7.0
## 1890           7.0       7.0       5.0
## 1891           8.0       4.0       7.0
## 1892           8.0       7.0       7.0
## 1893           7.0       4.0       8.0
## 1894           8.0       6.0       7.0
## 1895           7.0       6.0       6.0
## 1896           8.0       7.0       4.0
## 1897           8.0       6.0       9.0
## 1898          10.0       8.0       8.0
## 1899           7.0       7.0       7.0
## 1900           8.0       8.0       8.0
## 1901           7.0       6.0       6.0
## 1902           8.0       8.0       6.0
## 1903           6.0       7.0       6.0
## 1904           8.0       7.0       8.0
## 1905           6.0       5.0       8.0
## 1906           8.0       8.0       8.0
## 1907           8.0       8.0       8.0
## 1908           9.0       9.0       9.0
## 1909           9.0       6.0       9.0
## 1910           9.0       6.0       9.0
## 1911           8.0       7.0       8.0
## 1912           8.0       8.0       8.0
## 1913           5.0       1.0       3.0
## 1914           7.0       4.0       6.0
## 1915           8.0       7.0       7.0
## 1916           8.0       8.0       7.0
```

```
## 1917              7.0          7.0          6.0
## 1918              7.0          8.0          7.0
## 1919              8.0          5.0          7.0
## 1920              5.0          4.0          6.0
## 1921              6.0          6.0          5.0
## 1922              6.0          5.0          4.0
## 1923              7.0          4.0          5.0
## 1924              7.0          7.0          7.0
## 1925              8.0          3.0          7.0
## 1926              6.0          5.0          7.0
## 1927              7.0          6.0          7.0
## 1928              8.0          9.0          6.0
## 1929              7.0          6.0          8.0
## 1930              5.0          4.0          7.0
## 1931              7.0          7.0          7.0
## 1932              8.0          8.0          9.0
## 1933              8.0          7.0          7.0
## 1934              7.0          7.0          6.0
## 1935              8.0          7.0          7.0
## 1936              7.0          8.0          8.0
## 1937              6.0          5.0          7.0
## 1938              8.0          8.0          8.0
## 1939              7.0          6.0          7.0
## 1940              9.0          8.0          8.0
## 1941              7.0          6.0          8.0
## 1942              8.0          8.0          7.0
## 1943              7.0          8.0          9.0
## 1944              8.0          6.0          7.0
## 1945              8.0          6.0          7.0
## 1946              6.0          8.0          7.0
## 1947              6.0          6.0          6.0
## 1948              7.0          7.0          7.0
## 1949              7.0          6.0          7.0
## 1950              8.0          8.0          6.0
## 1951              7.0          7.0          7.0
## 1952              5.0          5.0          7.0
## 1953              5.0          4.0          7.0
## 1954              7.0          7.0          7.0
## 1955              6.0          6.0          7.0
## 1956              7.0          7.0          7.0
## 1957              7.0          5.0          7.0
## 1958              7.0          7.0          7.0
## 1959              6.0          6.0          7.0
## 1960              6.0          6.0          7.0
## 1961             10.0          5.0          8.0
## 1962              9.0          8.0          9.0
## 1963              9.0          9.0          9.0
## 1964              9.0          9.0          8.0
## 1965              8.0          7.0          7.0
## 1966              8.0          9.0          8.0
## 1967              9.0          9.0          7.0
## 1968              7.0          5.0          5.0
## 1969              9.0          9.0          9.0
## 1970              8.0          8.0          8.0
```

```
## 1971          7.0          5.0          7.0
## 1972          9.0          9.0          8.0
## 1973         10.0          5.0          9.0
## 1974          9.0          8.0          8.0
## 1975         10.0         10.0         10.0
## 1976         10.0          9.0          9.0
## 1977          7.0          2.0          7.0
## 1978          6.0          3.0          6.0
## 1979          6.0          7.0          6.0
## 1980          7.0          8.0          7.0
## 1981          6.0          4.0          6.0
## 1982          6.0          6.0          5.0
## 1983          7.0          7.0          8.0
## 1984          5.0          6.0          4.0
## 1985          7.0          6.0          6.0
## 1986          6.0          6.0          6.0
## 1987          4.0          6.0          6.0
## 1988          8.0          7.0          8.0
## 1989          8.0          3.0          8.0
## 1990          7.0          4.0          8.0
## 1991          8.0          6.0          7.0
## 1992          8.0          4.0          8.0
## 1993         10.0          3.0         10.0
## 1994         10.0          6.0         10.0
## 1995         10.0          9.0         10.0
## 1996         10.0          7.0          9.0
## 1997         10.0          3.0          8.0
## 1998         10.0          7.0         10.0
## 1999         10.0          6.0         10.0
## 2000         10.0          7.0          8.0
## 2001         10.0          9.0         10.0
## 2002         10.0          6.0          9.0
## 2003         10.0          9.0         10.0
## 2004         10.0          8.0          9.0
## 2005         10.0          3.0         10.0
## 2006         10.0          2.0          9.0
## 2007         10.0          8.0         10.0
## 2008         10.0          9.0          9.0
## 2009          3.0          2.0          3.0
## 2010          6.0          6.0          5.0
## 2011          7.0         10.0          9.0
## 2012          6.0          7.0          6.0
## 2013          7.0          2.0          5.0
## 2014          6.0          5.0          5.0
## 2015          6.0          7.0          7.0
## 2016          7.0          4.0          5.0
## 2017          7.0          7.0          7.0
## 2018          5.0          6.0          3.0
## 2019          8.0          7.0          6.0
## 2020          7.0          8.0          7.0
## 2021          7.0          4.0          5.0
## 2022          7.0          6.0          7.0
## 2023          7.0          8.0          7.0
## 2024          5.0          6.0          5.0
```

```
## 2025            8.0         7.0            7.0
## 2026            9.0         6.0            8.0
## 2027            9.0         7.0            7.0
## 2028            9.0         7.0            7.0
## 2029            8.0         7.0            7.0
## 2030            7.0         9.0            8.0
## 2031            8.0         7.0            7.0
## 2032            9.0         8.0            7.0
## 2033            9.0         7.0            7.0
## 2034            8.0         9.0            7.0
## 2035            8.0         7.0            7.0
## 2036            8.0         6.0            7.0
## 2037            7.0         8.0            7.0
## 2038            9.0         8.0            7.0
## 2039            8.0         8.0            7.0
## 2040            8.0         7.0            6.0
## 2041            7.0         6.0            7.0
## 2042            7.0         5.0            4.0
## 2043            8.0         8.0            7.0
## 2044            8.0         7.0            7.0
## 2045            8.0         5.0            6.0
## 2046            6.0         6.0            6.0
## 2047            6.0         5.0            5.0
## 2048            7.0         7.0            7.0
## 2049            9.0         8.0            8.0
## 2050            7.0         7.0            7.0
## 2051            7.0         5.0            7.0
## 2052            7.0         6.0            6.0
## 2053            7.0         7.0            8.0
## 2054            8.0         7.0            5.0
## 2055            7.0         5.0            5.0
## 2056            6.0         6.0            7.0
## 2057            8.0         7.0            9.0
## 2058            7.0         5.0            8.0
## 2059            9.0         9.0            9.0
## 2060            9.0         4.0           10.0
## 2061            7.0         6.0            7.0
## 2062            9.0         8.0            8.0
## 2063            8.0         8.0            8.0
## 2064            9.0         6.0            8.0
## 2065            9.0         8.0            8.0
## 2066            7.0         8.0            7.0
## 2067           10.0         6.0            9.0
## 2068            8.0         6.0            7.0
## 2069            8.0         7.0            8.0
## 2070            8.0         8.0            7.0
## 2071            8.0         9.0            9.0
## 2072            8.0         9.0            9.0
## 2073            8.0         7.0            6.0
## 2074            8.0         5.0           10.0
## 2075           10.0         9.0            3.0
## 2076           10.0         7.0            5.0
## 2077            7.0         4.0            5.0
## 2078            9.0        10.0            6.0
```

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```
## 2079            8.0        5.0         7.0
## 2080            7.0        5.0         8.0
## 2081           10.0        8.0         6.0
## 2082            8.0        9.0         8.0
## 2083            9.0        6.0         5.0
## 2084            6.0        6.0         5.0
## 2085            8.0        9.0         7.0
## 2086            8.0       10.0         7.0
## 2087           10.0        8.0         8.0
## 2088            8.0        9.0         7.0
## 2089            7.0        6.0         6.0
## 2090            6.0        2.0         7.0
## 2091            7.0        7.0         7.0
## 2092            7.0        7.0         6.0
## 2093            8.0        3.0         6.0
## 2094            7.0        8.0         7.0
## 2095            7.0        7.0         6.0
## 2096            6.0        7.0         7.0
## 2097            8.0        5.0         6.0
## 2098            7.0        7.0         6.0
## 2099            7.0        5.0         6.0
## 2100            6.0        3.0         7.0
## 2101            7.0        6.0         7.0
## 2102            3.0        4.0         7.0
## 2103            7.0        5.0         9.0
## 2104            6.0        6.0         7.0
## 2105            7.0        5.0         6.0
## 2106            7.0        6.0         6.0
## 2107            8.0        6.0         6.0
## 2108            6.0        8.0         5.0
## 2109            7.0        6.0         7.0
## 2110            7.0        8.0         7.0
## 2111            8.0        7.0         6.0
## 2112            8.0        7.0         7.0
## 2113            9.0        8.0         8.0
## 2114            8.0        7.0         6.0
## 2115            8.0        6.0         7.0
## 2116            8.0        8.0         8.0
## 2117            8.0        8.0         7.0
## 2118            6.0        6.0         6.0
## 2119            9.0        8.0         8.0
## 2120            6.0        6.0         7.0
## 2121            9.0        7.0         7.0
## 2122            9.0        5.0         7.0
## 2123            9.0        7.0         6.0
## 2124            9.0        8.0         7.0
## 2125           10.0        8.0         8.0
## 2126            6.0        8.0         6.0
## 2127            7.0        7.0         7.0
## 2128            6.0        6.0         7.0
## 2129            9.0        9.0         7.0
## 2130            7.0        9.0         7.0
## 2131            9.0        7.0         7.0
## 2132            8.0        6.0         7.0
```

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## 2133          7.0          7.0          7.0
## 2134          8.0          7.0          7.0
## 2135         10.0          7.0          9.0
## 2136          8.0          9.0          7.0
## 2137          9.0          7.0          8.0
## 2138          9.0          6.0          8.0
## 2139         10.0          8.0          7.0
## 2140          9.0          6.0          8.0
## 2141          9.0          7.0          7.0
## 2142          8.0         10.0          8.0
## 2143          9.0          6.0          9.0
## 2144          9.0          7.0          6.0
## 2145          9.0          8.0          8.0
## 2146          8.0         10.0          7.0
## 2147         10.0          5.0          9.0
## 2148          8.0          6.0          7.0
## 2149          8.0          8.0         10.0
## 2150          8.0          6.0          5.0
## 2151          7.0          7.0          8.0
## 2152          8.0          6.0          8.0
## 2153          8.0          4.0          7.0
## 2154          7.0          5.0          7.0
## 2155          9.0          9.0          7.0
## 2156          7.0          6.0          7.0
## 2157          7.0          7.0          7.0
## 2158          8.0          9.0          7.0
## 2159          8.0          8.0          8.0
## 2160          7.0          7.0          7.0
## 2161          9.0          8.0          9.0
## 2162          8.0          8.0          7.0
## 2163          7.0          5.0          7.0
## 2164          7.0          4.0          7.0
## 2165          7.0          7.0          7.0
## 2166          7.0          7.0          7.0
## 2167          7.0          7.0          7.0
## 2168          8.0          8.0          7.0
## 2169          7.0          6.0          4.0
## 2170          6.0          4.0          5.0
## 2171          5.0          4.0          5.0
## 2172          6.0          4.0          5.0
## 2173          8.0          2.0          5.0
## 2174          5.0          8.0          2.0
## 2175          6.0          5.0          4.0
## 2176          6.0          5.0          4.0
## 2177          6.0          7.0          5.0
## 2178          5.0          4.0          3.0
## 2179          8.0          6.0          5.0
## 2180          6.0          5.0          6.0
## 2181          7.0          6.0          6.0
## 2182          5.0          4.0          4.0
## 2183          6.0          5.0          6.0
## 2184          6.0          6.0          5.0
## 2185          7.0          7.0          7.0
## 2186          5.0          6.0          6.0
```

```
## 2187              8.0              8.0              8.0
## 2188              7.0              7.0              7.0
## 2189              7.0              6.0              6.0
## 2190              8.0              7.0              5.0
## 2191              8.0              6.0              6.0
## 2192              6.0              6.0              6.0
## 2193              7.0              7.0              7.0
## 2194              7.0              7.0              8.0
## 2195              7.0              7.0              7.0
## 2196              7.0              6.0              6.0
## 2197              8.0              8.0              8.0
## 2198              7.0              7.0              7.0
## 2199              8.0              7.0              7.0
## 2200              8.0              8.0              8.0
## 2201              9.0              8.0              7.0
## 2202              9.0              8.0              8.0
## 2203              8.0              9.0              7.0
## 2204              9.0              8.0              9.0
## 2205              9.0              7.0              8.0
## 2206              8.0              9.0              8.0
## 2207              9.0              7.0              9.0
## 2208              9.0              8.0              8.0
## 2209              9.0              7.0              9.0
## 2210              9.0              9.0              8.0
## 2211              8.0              7.0              8.0
## 2212              8.0              7.0              8.0
## 2213              9.0              9.0              9.0
## 2214              8.0              8.0              8.0
## 2215             10.0              8.0             10.0
## 2216              8.0              9.0              9.0
## 2217              7.0              7.0              5.0
## 2218              7.0              5.0              7.0
## 2220              6.0              6.0              6.0
## 2221              7.0              6.0              6.0
## 2222              7.0              6.0              6.0
## 2223              7.0              5.0              8.0
## 2224              7.0              6.0              6.0
## 2225              7.0              7.0              6.0
## 2226              7.0              8.0              7.0
## 2227              6.0              5.0              6.0
## 2228              7.0              6.0              5.0
## 2229              7.0              5.0              7.0
## 2230              7.0              6.0              6.0
## 2231              8.0              7.0              8.0
## 2232              6.0              5.0              7.0
## 2233              9.0              9.0              8.0
## 2234              9.0              6.0              7.0
## 2235              9.0              9.0              8.0
## 2236              9.0              5.0              8.0
## 2237              9.0              6.0              7.0
## 2238              7.0              9.0              7.0
## 2239              7.0              6.0              8.0
## 2240              8.0              6.0              9.0
## 2241              9.0              7.0              8.0
```

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## 2242              8.0          8.0           7.0
## 2243              8.0          5.0           7.0
## 2244              8.0          6.0           7.0
## 2245              8.0          8.0          10.0
## 2246              8.0          8.0           9.0
## 2247              9.0          9.0          10.0
## 2248              9.0          9.0          10.0
## 2249              6.0          7.0           7.0
## 2250              9.0          2.0           8.0
## 2251              8.0          5.0           6.0
## 2252              9.0          2.0           4.0
## 2253              5.0          1.0           3.0
## 2254              7.0          7.0           8.0
## 2255              6.0          9.0           8.0
## 2256              7.0          5.0           6.0
## 2257              8.0          4.0           6.0
## 2258              8.0          6.0           8.0
## 2259              8.0          4.0           6.0
## 2260              8.0          2.0           7.0
## 2261              8.0          5.0           6.0
## 2262              6.0          4.0           5.0
## 2263              7.0          7.0           8.0
## 2264              7.0          8.0           9.0
## 2265              7.0          7.0           5.0
## 2266              5.0          4.0           5.0
## 2267              6.0          6.0           6.0
## 2268              6.0          5.0           5.0
## 2269              5.0          5.0           5.0
## 2270              5.0          6.0           6.0
## 2271              5.0          7.0           6.0
## 2272              8.0          8.0           7.0
## 2273              7.0          7.0           7.0
## 2274              7.0          8.0           7.0
## 2275              5.0          5.0           5.0
## 2276              5.0          5.0           5.0
## 2277              6.0          7.0           6.0
## 2278              7.0          8.0           7.0
## 2279              7.0          7.0           7.0
## 2280              8.0          8.0           8.0
## 2281              6.0          6.0           6.0
## 2282              5.0          5.0           5.0
## 2283              6.0          6.0           6.0
## 2284              5.0          5.0           5.0
## 2285              5.0          5.0           5.0
## 2286              5.0          5.0           5.0
## 2287              6.0          6.0           6.0
## 2288              5.0          7.0           7.0
## 2289              6.0          7.0           7.0
## 2290              6.0          7.0           7.0
## 2291              7.0          7.0           7.0
## 2292              7.0          5.0           7.0
## 2293              8.0          7.0           8.0
## 2294              7.0          7.0           6.0
## 2295              7.0          7.0           7.0
```

```
## 2296          7.0          6.0          6.0
## 2297          7.0          7.0          5.0
## 2298          8.0          8.0          8.0
## 2299          7.0          8.0          7.0
## 2300          7.0          6.0          7.0
## 2301          8.0          6.0          7.0
## 2302          6.0          6.0          7.0
## 2303          7.0          6.0          5.0
## 2304          5.0          5.0          5.0
## 2305          6.0          8.0          6.0
## 2306          7.0          5.0          5.0
## 2307          6.0          8.0          6.0
## 2308          7.0          8.0          7.0
## 2309          9.0          6.0          7.0
## 2310          8.0          6.0          7.0
## 2311          7.0          5.0          6.0
## 2312          3.0          3.0          5.0
## 2313          7.0          2.0          4.0
## 2314          7.0          5.0          7.0
## 2315          6.0          3.0          4.0
## 2316          6.0          3.0          5.0
## 2317          7.0          8.0          8.0
## 2318          7.0          6.0          8.0
## 2319          8.0          8.0          8.0
## 2320          7.0          6.0          7.0
## 2321          7.0          5.0          7.0
## 2322          7.0          6.0          7.0
## 2323          7.0          5.0          7.0
## 2325          7.0          5.0          7.0
## 2326          7.0          5.0          7.0
## 2327          7.0          7.0          5.0
## 2328          7.0          7.0          7.0
## 2329          7.0          5.0          7.0
## 2330          8.0          7.0          7.0
## 2331          6.0          4.0          6.0
## 2332          6.0          5.0          6.0
## 2333          7.0          6.0          6.0
## 2334          7.0          6.0          6.0
## 2335          7.0          6.0          7.0
## 2336          7.0          5.0          7.0
## 2337          7.0          7.0          7.0
## 2338          6.0          4.0          6.0
## 2339          6.0          6.0          5.0
## 2340          7.0          8.0          8.0
## 2341          7.0          8.0          7.0
## 2342          4.0          3.0          3.0
## 2343          7.0          5.0          5.0
## 2344          5.0          5.0          5.0
## 2345          8.0          7.0          8.0
## 2346          7.0          6.0          6.0
## 2347          7.0          8.0          7.0
## 2348          8.0          8.0          8.0
## 2349          8.0          9.0          8.0
## 2350          7.0          8.0          6.0
```

```
## 2351            8.0            9.0           10.0
## 2352            9.0            6.0           10.0
## 2353            9.0            7.0            9.0
## 2354            4.0            4.0            4.0
## 2355            4.0            4.0            4.0
## 2356            8.0            8.0            9.0
## 2357            6.0           10.0            5.0
## 2358            8.0            8.0            8.0
## 2359            4.0            9.0            5.0
## 2360            9.0            8.0            9.0
## 2361            8.0            8.0            9.0
## 2362            8.0            9.0            8.0
## 2363           10.0            9.0           10.0
## 2364            9.0            8.0            9.0
## 2365            8.0            9.0           10.0
## 2366            8.0            8.0            9.0
## 2367            9.0            9.0            9.0
## 2368            9.0            9.0            9.0
## 2369            9.0            9.0            9.0
## 2370            9.0            9.0            9.0
## 2371            9.0            7.0            6.0
## 2372            7.0            6.0            6.0
## 2373            8.0            7.0            6.0
## 2374            6.0            6.0            6.0
## 2375            7.0            7.0            7.0
## 2376            8.0            7.0            6.0
## 2377            7.0            9.0            9.0
## 2378            7.0            7.0            7.0
## 2379            8.0            8.0            8.0
## 2380            7.0            6.0            6.0
## 2381           10.0            8.0            6.0
## 2382           10.0            7.0           10.0
## 2383           10.0            7.0           10.0
## 2384           10.0           10.0           10.0
## 2385           10.0            8.0            9.0
## 2386           10.0           10.0           10.0
## 2387            8.0            8.0            9.0
## 2388           10.0            8.0           10.0
## 2389           10.0            8.0            9.0
## 2390           10.0           10.0           10.0
## 2391            7.0            6.0            5.0
## 2392            8.0            4.0            7.0
## 2393            8.0            4.0            7.0
## 2394            9.0            8.0            9.0
## 2395            7.0            6.0            8.0
## 2396            9.0            9.0            9.0
## 2397            8.0            8.0            8.0
## 2398            8.0            8.0            8.0
## 2399            9.0            9.0            9.0
## 2400            6.0            7.0            6.0
## 2401            6.0            7.0            5.0
## 2402            6.0            6.0            5.0
## 2403            7.0            6.0            7.0
## 2404            7.0            8.0            5.0
```

```
## 2405            6.0           2.0           7.0
## 2406            7.0           8.0           7.0
## 2407            7.0           7.0           7.0
## 2408            8.0           7.0           8.0
## 2409            6.0           5.0           5.0
## 2410            6.0           6.0           5.0
## 2411            7.0           7.0           7.0
## 2412           10.0           5.0           7.0
## 2414            7.0           7.0           7.0
## 2416            7.0           8.0           7.0
## 2417            7.0           7.0           7.0
## 2419            7.0           7.0           7.0
## 2420            7.0           1.0           7.0
## 2421            5.0           5.0           5.0
## 2422            6.0           5.0           5.0
## 2423            7.0           5.0           5.0
## 2424            5.0           5.0           5.0
## 2425            6.0           5.0           5.0
## 2426            6.0           6.0           5.0
## 2427            5.0           8.0           5.0
## 2428            5.0           6.0           2.0
## 2429            7.0           6.0           7.0
## 2430            5.0           5.0           5.0
## 2431            7.0           5.0           5.0
## 2432            5.0           5.0           4.0
## 2433            5.0           6.0           4.0
## 2434            6.0           5.0           9.0
## 2435            8.0           5.0           5.0
## 2436            8.0           8.0           8.0
## 2437            8.0           6.0           6.0
## 2438            7.0           6.0           7.0
## 2439            6.0           6.0           7.0
## 2440            7.0           7.0           7.0
## 2441            8.0           8.0           4.0
## 2442            8.0           9.0           8.0
## 2443            8.0           7.0           9.0
## 2444            5.0           8.0           5.0
## 2445            8.0           9.0           7.0
## 2446           10.0           9.0           9.0
## 2447            7.0           7.0           7.0
## 2448            7.0           9.0           7.0
## 2449            7.0           7.0           7.0
## 2450            8.0           8.0           4.0
## 2451            7.0           6.0           6.0
## 2452            8.0           7.0           8.0
## 2453            7.0           7.0           8.0
## 2454            7.0           6.0           6.0
## 2455            7.0           7.0           5.0
## 2456            9.0           8.0           8.0
## 2457            7.0           7.0           8.0
## 2458            8.0           8.0           8.0
## 2459            7.0           7.0           8.0
## 2460            7.0           6.0           6.0
## 2461            8.0           4.0           6.0
```

```
## 2462              7.0          6.0           4.0
## 2463              9.0          3.0           9.0
## 2464              6.0          7.0           9.0
## 2465              6.0          6.0           6.0
## 2466              8.0          8.0           6.0
## 2467              8.0          8.0           6.0
## 2468              6.0          5.0           6.0
## 2469              7.0          6.0           7.0
## 2470              6.0          5.0           5.0
## 2471              7.0          5.0           6.0
## 2472              8.0          6.0           8.0
## 2473              9.0          3.0           9.0
## 2474              8.0          6.0           8.0
## 2475              9.0          6.0          10.0
## 2476              9.0          8.0           8.0
## 2477              8.0          6.0           7.0
## 2478              8.0          6.0           9.0
## 2479              7.0          6.0           8.0
## 2480              7.0          7.0           6.0
## 2481             10.0          8.0          10.0
## 2482              9.0          9.0           9.0
## 2483              8.0          6.0           8.0
## 2484             10.0          7.0          10.0
## 2485             10.0          7.0          10.0
## 2486              8.0          7.0           8.0
## 2487             10.0          9.0          10.0
## 2488             10.0          8.0          10.0
## 2489              9.0          6.0           8.0
## 2490             10.0          7.0          10.0
## 2491             10.0          8.0           9.0
## 2492             10.0          8.0           9.0
## 2493              8.0          8.0           8.0
## 2494              7.0          7.0           9.0
## 2495             10.0          6.0          10.0
## 2496              8.0          6.0           7.0
## 2497              9.0          8.0           8.0
## 2498              9.0          8.0           8.0
## 2499              9.0          6.0           7.0
## 2500              9.0          7.0           8.0
## 2501             10.0          8.0           9.0
## 2502              9.0          9.0           8.0
## 2503              7.0          6.0           8.0
## 2504             10.0          7.0           9.0
## 2505             10.0          5.0           9.0
## 2506              9.0          9.0           8.0
## 2507              9.0          8.0           9.0
## 2508              7.0          7.0           8.0
## 2509             10.0          5.0           6.0
## 2510             10.0          5.0           7.0
## 2511             10.0          6.0           7.0
## 2512              8.0          9.0           8.0
## 2513              9.0          8.0           9.0
## 2514              7.0          6.0           6.0
## 2515             10.0          5.0           5.0
```

```
## 2516                  9.0          9.0          8.0
## 2517                  6.0          6.0          6.0
## 2518                  9.0          8.0         10.0
## 2519                  7.0          4.0          6.0
## 2520                 10.0          9.0          8.0
## 2521                  7.0          9.0          8.0
## 2522                  7.0          6.0          7.0
## 2523                  5.0          5.0          7.0
## 2524                  7.0          6.0          7.0
## 2525                  3.0          2.0          7.0
## 2526                  7.0          7.0          7.0
## 2527                  3.0          3.0          3.0
## 2528                  4.0          3.0          3.0
## 2529                  4.0          2.0          1.0
## 2530                  7.0          5.0          7.0
## 2531                  3.0          2.0          7.0
## 2532                  4.0          4.0          5.0
## 2533                  5.0          5.0          5.0
## 2534                  4.0          2.0          3.0
## 2535                  3.0          2.0          7.0
## 2536                  5.0          3.0          6.0
## 2537                  3.0          3.0          3.0
## 2538                  7.0          8.0          7.0
## 2539                  4.0          3.0          3.0
## 2540                  7.0          3.0          7.0
## 2541                  7.0          7.0          7.0
## 2542                  8.0          8.0          8.0
## 2543                  7.0          7.0          7.0
## 2544                  9.0          7.0          9.0
## 2545                  7.0          6.0          8.0
## 2546                  8.0          6.0          7.0
## 2547                  7.0          7.0          7.0
## 2548                  7.0          7.0          7.0
## 2549                  7.0          7.0          7.0
## 2550                  7.0          7.0          7.0
## 2551                  8.0          7.0          7.0
## 2552                  7.0          7.0          7.0
## 2553                  8.0          8.0          8.0
## 2554                  7.0          7.0          7.0
## 2555                  7.0          7.0          7.0
## 2556                  7.0          7.0          7.0
## 2557                  7.0          6.0          7.0
## 2558                 10.0         10.0         10.0
## 2559                 10.0         10.0         10.0
## 2560                  7.0          7.0          7.0
## 2561                  5.0          5.0          5.0
## 2562                  5.0          6.0          6.0
## 2563                  5.0          6.0          6.0
## 2564                  7.0          5.0          5.0
## 2565                  5.0          5.0          4.0
## 2566                  5.0          4.0          4.0
## 2567                  8.0          4.0          5.0
## 2568                  6.0          4.0          5.0
## 2569                  4.0          2.0          3.0
```

```
## 2570              4.0              4.0              4.0
## 2571              5.0              4.0              3.0
## 2572              7.0              7.0              6.0
## 2573              7.0              6.0              6.0
## 2574              5.0              5.0              5.0
## 2575              8.0              8.0              8.0
## 2576              8.0              6.0              6.0
## 2577              5.0              5.0              5.0
## 2578              5.0              4.0              4.0
## 2579              4.0              4.0              4.0
## 2580              6.0              7.0              6.0
## 2581             10.0              5.0              6.0
## 2582              8.0              6.0              8.0
## 2583              6.0              6.0              7.0
## 2584              9.0              8.0              9.0
## 2585              9.0              4.0              9.0
## 2586             10.0             10.0              9.0
## 2587              8.0             10.0              8.0
## 2588              9.0              6.0              9.0
## 2589              9.0              9.0              2.0
## 2590             10.0              5.0             10.0
## 2591             10.0              4.0             10.0
## 2592              8.0              6.0              7.0
## 2593              8.0              8.0              8.0
## 2594             10.0              6.0              8.0
## 2595              9.0              4.0              9.0
## 2596             10.0              6.0             10.0
## 2597              4.0              4.0             10.0
## 2598              3.0              8.0              8.0
## 2599              7.0              2.0              7.0
## 2600             10.0              6.0              8.0
## 2601             10.0              7.0              9.0
## 2602              8.0              8.0              8.0
## 2603              7.0              6.0              7.0
## 2604             10.0              8.0             10.0
## 2605              9.0              5.0              9.0
## 2606              8.0              8.0              8.0
## 2607              9.0              7.0              8.0
## 2608              8.0              7.0              7.0
## 2609             10.0              4.0              9.0
## 2610              8.0              7.0              8.0
## 2611              9.0              7.0              9.0
## 2612              8.0              7.0              8.0
## 2613              8.0              7.0              7.0
## 2614              7.0              7.0              7.0
## 2615              9.0              6.0              9.0
## 2616              8.0              9.0              7.0
## 2617              7.0              7.0              6.0
## 2618              8.0              7.0              7.0
## 2619              7.0              5.0              8.0
## 2621              8.0              7.0              8.0
## 2622              8.0              8.0              8.0
## 2623              8.0              7.0              7.0
## 2624             10.0              7.0              9.0
```

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## 2625           7.0        1.0         7.0
## 2626           7.0        7.0         7.0
## 2627           8.0        3.0         8.0
## 2628           7.0        7.0         7.0
## 2629           7.0        1.0         7.0
## 2630           9.0        7.0         9.0
## 2631           8.0        7.0         7.0
## 2632           8.0        7.0         9.0
## 2633           8.0        7.0         9.0
## 2634           7.0        7.0         7.0
## 2635           8.0        4.0         7.0
## 2636           8.0        7.0         7.0
## 2637           8.0        9.0         9.0
## 2638           8.0        7.0         8.0
## 2639           8.0        4.0         7.0
## 2640           8.0        3.0         8.0
## 2641           8.0        8.0         7.0
## 2642           7.0        8.0         9.0
## 2643           7.0        8.0         9.0
## 2644           9.0        8.0        10.0
## 2645           9.0        6.0         8.0
## 2646           9.0        7.0         8.0
## 2647           9.0        7.0         8.0
## 2648           9.0        7.0         8.0
## 2649          10.0        4.0         8.0
## 2650           9.0        8.0         8.0
## 2651           9.0        5.0         8.0
## 2652           9.0        8.0         8.0
## 2653           8.0        9.0         8.0
## 2654           8.0        8.0         9.0
## 2655           9.0        6.0         7.0
## 2656           9.0        8.0         9.0
## 2657           8.0        8.0         8.0
## 2658           8.0        9.0         8.0
## 2659           9.0        7.0         9.0
## 2660           8.0        9.0         7.0
## 2661           7.0        5.0         7.0
## 2662           6.0        8.0         8.0
## 2663           6.0        5.0         7.0
## 2664           9.0       10.0        10.0
## 2665          10.0        7.0        10.0
## 2666           9.0        8.0         8.0
## 2667           9.0        7.0         9.0
## 2668           8.0        7.0         9.0
## 2669          10.0        2.0         9.0
## 2670           8.0        7.0         9.0
## 2671           9.0        3.0         8.0
## 2672           8.0        8.0         8.0
## 2673           8.0       10.0         9.0
## 2674           8.0        7.0         8.0
## 2675          10.0        7.0        10.0
## 2676           9.0        8.0         9.0
## 2677           6.0        7.0         7.0
## 2678           8.0        6.0         9.0
```

```
## 2679                8.0          6.0            8.0
## 2680                9.0          7.0           10.0
## 2681                7.0          8.0            7.0
## 2682                9.0          8.0            8.0
## 2683               10.0          6.0           10.0
## 2684               10.0          8.0           10.0
## 2685                9.0          5.0            9.0
## 2686                9.0          8.0            8.0
## 2687                9.0          6.0            8.0
## 2688                9.0          5.0            6.0
## 2689                8.0          1.0            2.0
## 2690                7.0          6.0            7.0
## 2691                7.0          6.0            8.0
## 2692                8.0          7.0            7.0
## 2693                8.0          9.0            7.0
## 2694                6.0          6.0            6.0
## 2695                5.0          2.0            3.0
## 2696                8.0          9.0            8.0
## 2697                7.0          7.0            6.0
## 2698                9.0          8.0            7.0
## 2699                8.0          5.0            6.0
## 2700                9.0          6.0            8.0
## 2701                7.0          6.0            7.0
## 2702                8.0          8.0            8.0
## 2703                4.0          4.0            7.0
## 2704               10.0          7.0            9.0
## 2705                8.0          6.0            6.0
## 2706                6.0          6.0            6.0
## 2707                8.0          7.0            6.0
## 2708                8.0          8.0            8.0
## 2709               10.0          5.0            8.0
## 2710                6.0          4.0            4.0
## 2711               10.0          7.0            7.0
## 2712                8.0          6.0            8.0
## 2713                6.0          4.0            9.0
## 2714                5.0          4.0            9.0
## 2715                9.0          5.0            5.0
## 2716                6.0          5.0            9.0
## 2717                6.0          2.0            9.0
## 2718                5.0          5.0            5.0
## 2719                6.0          6.0            8.0
## 2720                7.0          7.0            9.0
## 2721                7.0          6.0            9.0
## 2722                7.0          7.0            7.0
## 2723                8.0          7.0            8.0
## 2724                9.0          6.0            6.0
## 2725                7.0          7.0            7.0
## 2726                7.0          7.0            7.0
## 2727               10.0         10.0            9.0
## 2728                8.0          6.0            7.0
## 2729               10.0          9.0            8.0
## 2730                8.0          5.0            5.0
## 2731                7.0          7.0            7.0
## 2732                9.0          6.0            8.0
```

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## 2733              7.0        7.0           7.0
## 2734              8.0        8.0           8.0
## 2735              9.0        9.0           7.0
## 2736              8.0        8.0           8.0
## 2737              7.0        7.0           7.0
## 2738              7.0        7.0           7.0
## 2739              7.0        7.0           7.0
## 2740              7.0        7.0           7.0
## 2741              6.0        4.0           4.0
## 2742             10.0        8.0          10.0
## 2743              8.0        9.0           4.0
## 2744             10.0        7.0           9.0
## 2745              8.0        6.0           8.0
## 2746              9.0       10.0           9.0
## 2747             10.0       10.0           9.0
## 2748              9.0        6.0           7.0
## 2749              1.0        1.0           1.0
## 2750              7.0        3.0           7.0
## 2751              7.0        8.0           7.0
## 2752              7.0        8.0           6.0
## 2753              9.0       10.0          10.0
## 2754              7.0        9.0           7.0
## 2755              8.0        2.0           4.0
## 2756              9.0        9.0           9.0
## 2757              6.0        4.0           4.0
## 2758              4.0        6.0           5.0
## 2759              6.0        4.0           4.0
## 2760              8.0        9.0           7.0
## 2761              8.0        8.0           8.0
## 2762             10.0       10.0          10.0
## 2763             10.0        5.0           5.0
## 2764              8.0        8.0           8.0
## 2765             10.0        8.0           8.0
## 2766              9.0        9.0           9.0
## 2767             10.0        9.0           9.0
## 2768             10.0        8.0           7.0
## 2769             10.0        5.0           7.0
## 2770              5.0        5.0           5.0
## 2771             10.0       10.0          10.0
## 2772              8.0        9.0           9.0
## 2773              9.0        9.0           9.0
## 2774              9.0        9.0           9.0
## 2775              8.0        8.0           8.0
## 2776              8.0        8.0           8.0
## 2777              9.0        9.0           9.0
## 2778              9.0        7.0           8.0
## 2779              9.0        7.0           8.0
## 2780              8.0        8.0           8.0
## 2781              5.0        6.0           5.0
## 2782              8.0        7.0           8.0
## 2783              7.0        8.0           7.0
## 2784              9.0        7.0           9.0
## 2785              5.0        7.0           7.0
## 2786              7.0        7.0           7.0
```

```
## 2787             6.0           8.0            7.0
## 2788             9.0           7.0            7.0
## 2789             7.0           7.0            6.0
## 2790             5.0           5.0            6.0
## 2791            10.0           7.0            8.0
## 2792             8.0           8.0            8.0
## 2793             8.0           7.0            7.0
## 2794             8.0           7.0            8.0
## 2795             7.0           5.0            7.0
## 2796             8.0           7.0            7.0
## 2797             7.0           5.0            7.0
## 2798             8.0           7.0            7.0
## 2799             7.0           7.0            7.0
## 2801             4.0           5.0            7.0
## 2802             8.0           9.0            9.0
## 2803             1.0           1.0            1.0
## 2804             9.0           1.0            7.0
## 2805             7.0           7.0            7.0
## 2806             5.0           7.0            7.0
## 2807            10.0           7.0            9.0
## 2808             8.0           2.0            3.0
## 2809             9.0           1.0            7.0
## 2810             8.0           1.0            7.0
## 2811            10.0           7.0            7.0
## 2812            10.0           7.0            8.0
## 2813             8.0          10.0            7.0
## 2814             5.0           9.0            5.0
## 2815             7.0           1.0            7.0
## 2816             9.0           7.0            9.0
## 2817             7.0          10.0            7.0
## 2818             3.0           1.0            7.0
## 2819             9.0           1.0            7.0
## 2820             2.0           9.0            9.0
## 2821            10.0           7.0            9.0
## 2822             8.0           5.0           10.0
## 2823            10.0           7.0           10.0
## 2824             9.0           5.0            9.0
## 2825            10.0           3.0           10.0
## 2826             9.0          10.0            7.0
## 2827            10.0           6.0           10.0
## 2828            10.0           6.0           10.0
## 2829            10.0           5.0            7.0
## 2830             9.0           6.0            9.0
## 2831             9.0           5.0            9.0
## 2832             8.0           8.0            8.0
## 2833             8.0           9.0            9.0
## 2834             8.0           8.0           10.0
## 2835            10.0           6.0           10.0
## 2836             9.0           7.0           10.0
## 2837             8.0           9.0            8.0
## 2838             9.0           7.0           10.0
## 2839            10.0          10.0            9.0
## 2840             7.0           5.0            9.0
## 2841             8.0           7.0            9.0
```

```
## 2842               8.0        7.0         8.0
## 2843               8.0        7.0         8.0
## 2844              10.0        7.0        10.0
## 2845               7.0        6.0         8.0
## 2846               9.0        8.0         9.0
## 2847               7.0        6.0         6.0
## 2848               8.0        7.0         8.0
## 2849               8.0        5.0         7.0
## 2850               8.0        7.0         8.0
## 2851               8.0        7.0         7.0
## 2852               8.0        7.0         8.0
## 2853               8.0        7.0         8.0
## 2854               8.0        7.0         8.0
## 2855              10.0        6.0        10.0
## 2856               9.0        8.0         9.0
## 2857               6.0        6.0         6.0
## 2858               7.0        8.0         7.0
## 2859               7.0        6.0         6.0
## 2860               7.0        7.0         7.0
## 2861              10.0        7.0         7.0
## 2862               9.0        7.0         9.0
## 2863               9.0        7.0         7.0
## 2864               9.0        8.0        10.0
## 2865               9.0        6.0         9.0
## 2866               8.0        8.0        10.0
## 2867               7.0        7.0         7.0
## 2868              10.0        6.0         9.0
## 2869               9.0        5.0         6.0
## 2870               8.0        8.0         7.0
## 2871               8.0        7.0         6.0
## 2872               8.0        7.0         8.0
## 2873              10.0        8.0         9.0
## 2874              10.0        9.0        10.0
## 2875               9.0        7.0         7.0
## 2876              10.0        8.0        10.0
## 2877               8.0        7.0         7.0
## 2878              10.0       10.0         8.0
## 2879               7.0        7.0         7.0
## 2880               8.0        8.0         7.0
## 2881               6.0        7.0         8.0
## 2882               7.0        7.0         7.0
## 2883               8.0        7.0         9.0
## 2884               9.0        6.0         8.0
## 2885               7.0        6.0         7.0
## 2886               7.0        6.0         7.0
## 2887               6.0        7.0         6.0
## 2888               8.0        6.0         8.0
## 2889               9.0        9.0         9.0
## 2890               9.0        8.0         7.0
## 2891               8.0        8.0         6.0
## 2892               8.0        8.0         6.0
## 2893               8.0        5.0         7.0
## 2894               8.0        8.0         8.0
## 2895               8.0        7.0         8.0
```

```
## 2896               8.0          7.0              8.0
## 2897               8.0          8.0              8.0
## 2898               7.0          6.0              8.0
## 2899               9.0          8.0              8.0
## 2900               8.0          7.0              9.0
## 2901               4.0          3.0              3.0
## 2902               8.0          9.0              7.0
## 2903               5.0          3.0              3.0
## 2904               9.0          6.0              7.0
## 2905               5.0          6.0              5.0
## 2906               6.0          5.0              6.0
## 2907               7.0          8.0              6.0
## 2908               9.0          5.0              8.0
## 2909               7.0          5.0              5.0
## 2910               7.0          4.0              5.0
## 2911               7.0          7.0              6.0
## 2912               8.0          3.0              6.0
## 2913               7.0          7.0              8.0
## 2914               4.0          9.0              4.0
## 2915               5.0          7.0              7.0
## 2916               6.0          5.0              8.0
## 2917               7.0          7.0              7.0
## 2918               8.0          4.0              6.0
## 2919               7.0          7.0              8.0
## 2920               4.0          5.0              4.0
## 2921               7.0          5.0              5.0
## 2922               9.0          8.0              8.0
## 2923               9.0          7.0              7.0
## 2924               8.0          6.0              6.0
## 2925               8.0          8.0              8.0
## 2926               7.0          6.0              7.0
## 2927               8.0          8.0              8.0
## 2928               9.0          9.0              9.0
## 2929               9.0          9.0              9.0
## 2930               9.0          9.0              9.0
## 2931              10.0         10.0             10.0
## 2932               7.0          8.0              7.0
## 2933               8.0          7.0              5.0
## 2934              10.0         10.0              8.0
## 2935               9.0          9.0              9.0
## 2936               9.0          8.0              7.0
## 2937               9.0          9.0              9.0
## 2938               9.0          9.0              9.0
## 2939               9.0          9.0              9.0
## 2940               9.0          9.0              9.0
## 2941               9.0          4.0              7.0
## 2942               9.0          4.0              6.0
## 2943               8.0          5.0              4.0
## 2944               9.0          7.0              7.0
## 2945               6.0          3.0              5.0
## 2946               7.0          5.0              6.0
## 2947               7.0          5.0              7.0
## 2948               6.0          5.0              4.0
## 2949               9.0          6.0              8.0
```

```
## 2950               9.0          6.0          9.0
## 2951               7.0          7.0          7.0
## 2952               5.0          4.0          5.0
## 2953               7.0          5.0          5.0
## 2954               6.0          8.0          6.0
## 2955               8.0          9.0          8.0
## 2956               7.0          5.0          5.0
## 2957               7.0          6.0          5.0
## 2958               6.0          3.0          5.0
## 2959               8.0          8.0          6.0
## 2960               7.0          5.0          6.0
## 2961               4.0          5.0          4.0
## 2962               7.0          5.0          6.0
## 2963               4.0          3.0          6.0
## 2964               4.0          4.0          4.0
## 2965               5.0          3.0          4.0
## 2966               6.0          6.0          6.0
## 2967               7.0          6.0          6.0
## 2968               6.0          5.0          5.0
## 2969               8.0          5.0          5.0
## 2970               8.0          6.0          6.0
## 2971               5.0          6.0          6.0
## 2972               7.0          6.0          6.0
## 2973               8.0          5.0          6.0
## 2974               6.0          7.0          6.0
## 2975               6.0          8.0          7.0
## 2976               5.0          5.0          4.0
## 2977               6.0          5.0          5.0
## 2978               4.0          5.0          4.0
## 2979               6.0          6.0          6.0
## 2980               6.0          5.0          6.0
## 2981               7.0          3.0          4.0
## 2982               7.0          7.0          4.0
## 2983               7.0          5.0          5.0
## 2984               6.0          5.0          5.0
## 2985               5.0          5.0          5.0
## 2986               6.0          6.0          5.0
## 2987               7.0          7.0          7.0
## 2988               6.0          5.0          5.0
## 2989               7.0          5.0          5.0
## 2990               7.0          7.0          6.0
## 2991               8.0          6.0          7.0
## 2992               7.0          6.0          5.0
## 2993               6.0          5.0          5.0
## 2994               8.0          9.0          5.0
## 2995               7.0          7.0          6.0
## 2996               6.0          5.0          5.0
## 2997               6.0          4.0          5.0
## 2998               7.0          7.0          5.0
## 2999               8.0          8.0          6.0
## 3000               7.0          6.0          5.0
## 3001               8.0          7.0          9.0
## 3002               9.0         10.0          8.0
## 3003              10.0          9.0          9.0
```

```
## 3004          7.0          8.0          9.0
## 3005          8.0          9.0          8.0
## 3006          7.0          6.0          7.0
## 3007          9.0          8.0          9.0
## 3008         10.0         10.0         10.0
## 3009          8.0          8.0          8.0
## 3010          9.0          8.0          8.0
## 3011          8.0          8.0         10.0
## 3012         10.0         10.0         10.0
## 3013         10.0         10.0         10.0
## 3014         10.0         10.0          9.0
## 3015          9.0         10.0          9.0
## 3016          9.0          9.0          9.0
## 3017          9.0          9.0          9.0
## 3018         10.0         10.0         10.0
## 3019          9.0          9.0          8.0
## 3020          9.0          9.0          9.0
## 3021          6.0          7.0          6.0
## 3022          8.0          8.0          5.0
## 3023          5.0          4.0          3.0
## 3024          7.0          6.0          6.0
## 3025          6.0          3.0          7.0
## 3026          7.0          7.0          8.0
## 3027          7.0          7.0          6.0
## 3028          8.0          8.0          8.0
## 3029          8.0          7.0          7.0
## 3030          9.0          6.0          6.0
## 3031          6.0          6.0          7.0
## 3032          7.0          6.0          6.0
## 3033          7.0          7.0          7.0
## 3034          7.0          9.0          9.0
## 3035          7.0          8.0          8.0
## 3036          6.0          6.0          3.0
## 3037          7.0          6.0          6.0
## 3038          6.0          6.0          7.0
## 3039          8.0          8.0          8.0
## 3040          7.0          7.0          8.0
## 3041          4.0          4.0          7.0
## 3042          8.0          3.0          3.0
## 3043          5.0          3.0          4.0
## 3044          7.0          6.0          7.0
## 3045          8.0          5.0          6.0
## 3046          9.0          8.0          6.0
## 3047          4.0          6.0          8.0
## 3048          4.0          4.0          4.0
## 3049          7.0          7.0          8.0
## 3050          6.0          7.0          6.0
## 3051          2.0          2.0          8.0
## 3052          6.0          8.0          2.0
## 3053          6.0          2.0          5.0
## 3054          8.0          6.0          4.0
## 3055          7.0          8.0          2.0
## 3056          5.0          7.0          6.0
## 3057          9.0          6.0          5.0
```

```
## 3058            7.0            5.0            6.0
## 3059            6.0            8.0            5.0
## 3060            5.0            4.0            6.0
## 3061            7.0            8.0            6.0
## 3062            6.0            7.0            6.0
## 3063            6.0            2.0            8.0
## 3064            7.0            4.0            8.0
## 3065            8.0            3.0            4.0
## 3066            8.0            7.0            5.0
## 3067            8.0            8.0            7.0
## 3068            8.0            8.0            6.0
## 3069            7.0            7.0            7.0
## 3070            9.0            8.0            8.0
## 3071            8.0            8.0            7.0
## 3072            8.0            8.0            7.0
## 3073           10.0            8.0            9.0
## 3074            6.0            8.0           10.0
## 3075            8.0            8.0            7.0
## 3076            6.0            4.0            6.0
## 3077            9.0            8.0            7.0
## 3078            9.0            2.0            7.0
## 3079            8.0            8.0            7.0
## 3080            8.0            7.0            8.0
## 3081            7.0            7.0            6.0
## 3082            7.0            7.0            7.0
## 3083            5.0            5.0            5.0
## 3084            8.0           10.0            5.0
## 3085            6.0            5.0            6.0
## 3086            5.0            5.0            5.0
## 3087            6.0            7.0            6.0
## 3088            7.0            6.0            6.0
## 3089            7.0            7.0            7.0
## 3090            8.0            5.0            5.0
## 3091            3.0            1.0            3.0
## 3092            5.0            4.0            5.0
## 3093            8.0            8.0            8.0
## 3094            6.0            7.0            5.0
## 3095            5.0            5.0            5.0
## 3096            6.0            7.0            7.0
## 3097            8.0            3.0            5.0
## 3098            5.0            5.0            5.0
## 3099            6.0            6.0            5.0
## 3100            7.0            7.0            6.0
## 3101            5.0            5.0            3.0
## 3102            7.0            7.0            6.0
## 3103            5.0            3.0            2.0
## 3104            6.0            5.0            6.0
## 3105            6.0            2.0            3.0
## 3106            8.0            5.0            5.0
## 3107            8.0            6.0            9.0
## 3108            7.0            7.0            8.0
## 3109            7.0            2.0            5.0
## 3110            7.0            6.0            8.0
## 3111            7.0            8.0            7.0
```

```
## 3112          5.0          3.0          7.0
## 3113          8.0          8.0          7.0
## 3114          5.0          8.0          9.0
## 3115          9.0          9.0          9.0
## 3116          7.0          8.0          7.0
## 3117          5.0          4.0          3.0
## 3118          7.0          6.0          7.0
## 3119          5.0          7.0          5.0
## 3120          8.0          8.0          7.0
## 3121          5.0          4.0          5.0
## 3122          7.0          8.0          6.0
## 3123          7.0          4.0          6.0
## 3124          8.0          8.0          7.0
## 3125          6.0          3.0          6.0
## 3126          6.0          7.0          6.0
## 3127          8.0          7.0          7.0
## 3128          7.0          7.0          5.0
## 3129          8.0          6.0          5.0
## 3130          8.0          7.0          5.0
## 3131          5.0          7.0          6.0
## 3132          7.0          2.0          6.0
## 3133          8.0          7.0          8.0
## 3134          7.0          9.0          7.0
## 3135          8.0          8.0          7.0
## 3136          8.0          7.0          8.0
## 3137          9.0          7.0          7.0
## 3138          8.0          7.0          9.0
## 3139          8.0          8.0          7.0
## 3140          6.0          7.0          6.0
## 3141          6.0          5.0          5.0
## 3142          8.0          8.0          5.0
## 3143          7.0          6.0          5.0
## 3144          7.0          7.0          7.0
## 3145          5.0          4.0          4.0
## 3146          8.0          8.0          8.0
## 3147          8.0          7.0          8.0
## 3148          8.0          6.0          7.0
## 3149          7.0          4.0          5.0
## 3150          7.0          5.0          6.0
## 3151          5.0          5.0          5.0
## 3152          6.0          5.0          5.0
## 3153          6.0          4.0          5.0
## 3154          7.0          9.0          8.0
## 3155          8.0          8.0          8.0
## 3156          7.0          5.0          4.0
## 3157          7.0          7.0          7.0
## 3158          6.0          5.0          5.0
## 3159          8.0          6.0          6.0
## 3160          8.0          7.0          7.0
## 3161          6.0          4.0          6.0
## 3162          6.0          7.0          6.0
## 3163          6.0          4.0          5.0
## 3164          6.0          6.0          7.0
## 3165          7.0          3.0          8.0
```

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## 3166              7.0              4.0              7.0
## 3167              7.0              4.0              5.0
## 3168              7.0              5.0              5.0
## 3169              7.0              6.0              7.0
## 3170              7.0              5.0              5.0
## 3171              5.0              5.0              4.0
## 3172              7.0              4.0              7.0
## 3173              7.0              7.0              7.0
## 3174              6.0              8.0              6.0
## 3175              6.0              8.0              6.0
## 3176              7.0              7.0              7.0
## 3177              6.0              7.0              6.0
## 3178              6.0              5.0              6.0
## 3179              7.0              7.0              6.0
## 3180              6.0              7.0              5.0
## 3181              5.0              3.0              5.0
## 3182              7.0              9.0              5.0
## 3183              8.0              2.0              1.0
## 3184              8.0              5.0              4.0
## 3185              5.0              2.0              2.0
## 3186              6.0              4.0              4.0
## 3187              6.0              6.0              6.0
## 3188              7.0              5.0              5.0
## 3189              9.0              4.0              3.0
## 3190              9.0              3.0              1.0
## 3191              8.0              5.0              8.0
## 3192              4.0              2.0              3.0
## 3193              8.0              7.0              5.0
## 3194              5.0              8.0              3.0
## 3195              7.0              5.0              6.0
## 3196              8.0              5.0              6.0
## 3197              7.0              5.0              6.0
## 3198              5.0              5.0              5.0
## 3199              7.0              4.0              4.0
## 3200              5.0              8.0              5.0
## 3201              5.0              2.0              2.0
## 3202              7.0              7.0              6.0
## 3203              8.0              5.0              5.0
## 3204              7.0              6.0              5.0
## 3205              8.0              7.0              5.0
## 3206              6.0              5.0              5.0
## 3207              6.0              4.0              7.0
## 3208              9.0              9.0              5.0
## 3209              7.0              5.0              5.0
## 3210              8.0              7.0              5.0
## 3211              8.0              7.0              7.0
## 3212              8.0              8.0              5.0
## 3213              9.0              8.0              7.0
## 3214              7.0              7.0              6.0
## 3215              7.0              8.0              7.0
## 3216              6.0              5.0              6.0
## 3217              8.0              7.0              5.0
## 3218              7.0              7.0              5.0
## 3219              6.0              6.0              6.0
```

```
## 3220               8.0          8.0          6.0
## 3221               6.0          5.0          6.0
## 3222               8.0          8.0          4.0
## 3223               7.0          6.0          6.0
## 3224               6.0          6.0          6.0
## 3225               5.0          1.0          7.0
## 3226               6.0          6.0          6.0
## 3227               7.0          8.0          6.0
## 3228               6.0          5.0          7.0
## 3229               7.0          4.0          6.0
## 3230               8.0          5.0          5.0
## 3231               6.0          7.0         10.0
## 3232               8.0          6.0          6.0
## 3233               9.0          8.0          7.0
## 3234               5.0          7.0          8.0
## 3235               7.0          9.0          6.0
## 3236               6.0          5.0          6.0
## 3237               7.0          6.0          6.0
## 3238               6.0          5.0          7.0
## 3239               7.0          6.0          7.0
## 3240               7.0          6.0          7.0
## 3241               5.0          4.0          3.0
## 3242               8.0          8.0          6.0
## 3243               6.0          5.0          5.0
## 3244               9.0         10.0          8.0
## 3245               5.0          4.0          4.0
## 3246               6.0          6.0          6.0
## 3247               9.0         10.0          9.0
## 3248               7.0          6.0          6.0
## 3249               7.0          7.0          7.0
## 3250               8.0          8.0          7.0
## 3251               6.0          7.0          6.0
## 3252               8.0          8.0          8.0
## 3253               6.0          5.0          6.0
## 3254               7.0          8.0          8.0
## 3255               8.0          8.0          8.0
## 3256               7.0          6.0          7.0
## 3257               7.0          7.0          6.0
## 3258               8.0          7.0          8.0
## 3259               9.0         10.0          8.0
## 3260               9.0          9.0          8.0
## 3261               8.0          7.0          8.0
## 3262               7.0          7.0          7.0
## 3263               7.0          7.0          7.0
## 3264               8.0          8.0          8.0
## 3265               8.0          8.0          8.0
## 3266               8.0          9.0          8.0
## 3267               7.0          7.0          8.0
## 3268               8.0          8.0          8.0
## 3269               8.0          8.0          9.0
## 3270               8.0          8.0          9.0
## 3271               8.0          8.0          8.0
## 3272               6.0          7.0          7.0
## 3273               7.0          7.0          7.0
```

```
## 3274          8.0          8.0          8.0
## 3275          8.0          8.0          8.0
## 3276          8.0          8.0          8.0
## 3277          8.0          8.0          8.0
## 3278          7.0          7.0          7.0
## 3279          8.0          8.0          8.0
## 3280          8.0          8.0          8.0
## 3281          9.0          7.0          8.0
## 3282          8.0          7.0          9.0
## 3283         10.0          6.0          6.0
## 3284          7.0          5.0          6.0
## 3285          9.0          2.0          9.0
## 3286          6.0          8.0          6.0
## 3287          7.0          8.0          9.0
## 3288          8.0          5.0          8.0
## 3289          7.0          4.0          7.0
## 3290          6.0          5.0          5.0
## 3291          7.0          6.0          7.0
## 3292          8.0          4.0          8.0
## 3293          5.0          4.0          4.0
## 3294          7.0          5.0          5.0
## 3295          6.0          8.0          7.0
## 3296          5.0          2.0          5.0
## 3297          7.0          6.0          9.0
## 3298          8.0          7.0          8.0
## 3299          8.0          6.0          7.0
## 3300          7.0          9.0          9.0
## 3301          9.0          3.0          9.0
## 3302          5.0          5.0          7.0
## 3303          7.0          4.0          7.0
## 3304          6.0          8.0          9.0
## 3305          7.0          5.0          9.0
## 3306          7.0          6.0          7.0
## 3307          6.0          7.0          5.0
## 3308          4.0          2.0          1.0
## 3309          6.0          6.0          7.0
## 3310          9.0          8.0         10.0
## 3311          5.0          2.0          3.0
## 3312          8.0          6.0          8.0
## 3313          7.0          6.0          6.0
## 3314          8.0          4.0          3.0
## 3315         10.0          8.0         10.0
## 3316         10.0          5.0          7.0
## 3317          9.0          8.0          9.0
## 3318          9.0          8.0          9.0
## 3319         10.0          9.0         10.0
## 3320          9.0          9.0         10.0
## 3321          8.0          5.0          7.0
## 3322          9.0          8.0          9.0
## 3323          9.0          8.0         10.0
## 3324          9.0          9.0         10.0
## 3325          8.0          6.0          7.0
## 3326          9.0          6.0          6.0
## 3327          6.0          7.0          8.0
```

```
## 3328            9.0        8.0         7.0
## 3329            7.0        7.0         5.0
## 3330            8.0        5.0         6.0
## 3331            7.0        8.0         9.0
## 3332            8.0        6.0         8.0
## 3333            9.0        7.0         8.0
## 3334            8.0        6.0         6.0
## 3335            7.0        7.0         5.0
## 3336            6.0        6.0         5.0
## 3337            6.0        5.0         6.0
## 3338            4.0        5.0         5.0
## 3339            5.0        4.0         7.0
## 3340            5.0        7.0         6.0
## 3341            6.0        5.0         7.0
## 3342            5.0        6.0         5.0
## 3343            5.0        4.0         4.0
## 3344            8.0        7.0         6.0
## 3345            8.0        6.0         7.0
## 3346           10.0        7.0         8.0
## 3347            8.0        6.0         6.0
## 3348           10.0        9.0         6.0
## 3349            8.0        9.0         7.0
## 3350            9.0        6.0        10.0
## 3351           10.0        9.0        10.0
## 3352            9.0        6.0         8.0
## 3353            7.0        3.0         2.0
## 3354            6.0        5.0         9.0
## 3355            6.0        2.0         2.0
## 3356            8.0        6.0         7.0
## 3357            6.0        2.0         2.0
## 3358            6.0        7.0        10.0
## 3359            7.0        6.0        10.0
## 3360            7.0        6.0         9.0
## 3361            7.0        5.0         3.0
## 3362            7.0        7.0         8.0
## 3363            8.0        8.0         7.0
## 3364            8.0        5.0         7.0
## 3365            7.0        8.0         7.0
## 3366            6.0        5.0         8.0
## 3367            7.0        6.0         9.0
## 3368            7.0        9.0         9.0
## 3369            6.0        8.0         7.0
## 3370            8.0        8.0         7.0
## 3371            9.0        8.0         9.0
## 3372            7.0        8.0         8.0
## 3373            7.0        2.0         2.0
## 3374            8.0        4.0         3.0
## 3375            8.0        8.0         9.0
## 3376            9.0        3.0         6.0
## 3377            8.0       10.0         9.0
## 3378            9.0        9.0         9.0
## 3379            7.0        5.0         3.0
## 3380            6.0        6.0         7.0
## 3381            6.0        5.0         4.0
```

```
## 3382              8.0           6.0           6.0
## 3383              6.0           6.0           7.0
## 3384              6.0           6.0           6.0
## 3385              8.0           6.0           5.0
## 3386              8.0           7.0           7.0
## 3387              7.0           7.0           6.0
## 3388              8.0           7.0           7.0
## 3389              7.0           7.0           7.0
## 3390              5.0           5.0           7.0
## 3391              7.0           2.0           7.0
## 3392              7.0           4.0           7.0
## 3393              7.0           7.0           7.0
## 3394              6.0           5.0           7.0
## 3395              7.0           7.0           5.0
## 3396              6.0           7.0           7.0
## 3397              7.0           7.0           5.0
## 3398              5.0           5.0           4.0
## 3399              7.0           7.0           2.0
## 3400              5.0           3.0           7.0
## 3401              8.0           5.0           6.0
## 3402              7.0           6.0           5.0
## 3403              6.0           5.0           4.0
## 3404              4.0           8.0           3.0
## 3405              5.0           5.0           4.0
## 3406              6.0           6.0           3.0
## 3407              8.0           6.0           7.0
## 3408              6.0           8.0           6.0
## 3409              9.0           6.0           7.0
## 3410              7.0           6.0           6.0
## 3411              7.0           7.0           6.0
## 3412              8.0           6.0           3.0
## 3413              7.0           8.0           7.0
## 3414              7.0           8.0           7.0
## 3415              7.0           6.0           6.0
## 3416              8.0           9.0           7.0
## 3417              9.0           9.0           6.0
## 3418              9.0           6.0           7.0
## 3419              8.0           7.0           8.0
## 3420              8.0           9.0           8.0
## 3421              6.0           5.0           5.0
## 3422              8.0          10.0           9.0
## 3423              7.0           9.0           9.0
## 3424              9.0           9.0           7.0
## 3425              6.0           7.0           7.0
## 3426              7.0           9.0           7.0
## 3427              5.0           4.0           4.0
## 3428              8.0           7.0           7.0
## 3429              8.0           9.0           7.0
## 3430              7.0           6.0           6.0
## 3431              7.0           8.0           9.0
## 3432              8.0           8.0           8.0
## 3433              7.0           8.0           7.0
## 3434              8.0           6.0           9.0
## 3435              8.0           8.0           8.0
```

## 3436	7.0	3.0	8.0
## 3437	8.0	6.0	7.0
## 3438	7.0	4.0	8.0
## 3439	8.0	6.0	6.0
## 3440	7.0	5.0	8.0
## 3441	7.0	6.0	7.0
## 3442	8.0	8.0	8.0
## 3443	7.0	6.0	5.0
## 3444	6.0	6.0	6.0
## 3445	9.0	4.0	9.0
## 3446	5.0	5.0	5.0
## 3447	1.0	1.0	9.0
## 3448	8.0	1.0	8.0
## 3449	5.0	1.0	8.0
## 3450	8.0	1.0	3.0
## 3451	8.0	6.0	6.0
## 3452	5.0	7.0	5.0
## 3453	5.0	1.0	1.0
## 3454	4.0	1.0	7.0
## 3455	6.0	1.0	5.0
## 3456	3.0	2.0	4.0
## 3457	3.0	1.0	5.0
## 3458	5.0	1.0	6.0
## 3459	6.0	7.0	6.0
## 3460	7.0	1.0	7.0
## 3461	9.0	2.0	9.0
## 3462	8.0	1.0	8.0
## 3463	8.0	3.0	8.0
## 3464	7.0	6.0	7.0
## 3465	7.0	7.0	7.0
## 3466	7.0	5.0	6.0
## 3467	7.0	6.0	7.0
## 3468	8.0	8.0	7.0
## 3469	6.0	5.0	7.0
## 3470	7.0	7.0	8.0
## 3471	7.0	4.0	5.0
## 3472	7.0	7.0	6.0
## 3473	7.0	7.0	7.0
## 3474	8.0	5.0	6.0
## 3475	7.0	7.0	7.0
## 3476	8.0	6.0	7.0
## 3477	6.0	6.0	7.0
## 3478	6.0	5.0	5.0
## 3479	6.0	5.0	6.0
## 3480	7.0	7.0	7.0
## 3481	7.0	5.0	7.0
## 3482	7.0	6.0	8.0
## 3483	6.0	6.0	7.0
## 3484	6.0	6.0	6.0
## 3485	6.0	2.0	5.0
## 3486	3.0	3.0	4.0
## 3487	6.0	5.0	4.0
## 3488	6.0	5.0	5.0
## 3489	8.0	7.0	5.0

```
## 3490               5.0          2.0          5.0
## 3491               8.0          6.0          8.0
## 3492               7.0          3.0          6.0
## 3493               4.0          2.0          4.0
## 3494               5.0          7.0          5.0
## 3495               6.0          5.0          5.0
## 3496               5.0          3.0          3.0
## 3497               5.0          3.0          5.0
## 3498               7.0          3.0          5.0
## 3499               6.0          3.0          3.0
## 3500               8.0          6.0          8.0
## 3501               6.0          8.0          5.0
## 3502               3.0          2.0          3.0
## 3503               9.0          8.0          9.0
## 3504               5.0          5.0          7.0
## 3505               5.0          5.0          6.0
## 3506               6.0          6.0          6.0
## 3507               6.0          6.0          6.0
## 3508               7.0          6.0          7.0
## 3509               6.0          6.0          6.0
## 3510               6.0          6.0          6.0
## 3511               5.0          5.0          5.0
## 3512               6.0          6.0          6.0
## 3513               7.0          6.0          7.0
## 3514               7.0          6.0          7.0
## 3515               7.0          7.0          7.0
## 3516               7.0          6.0          7.0
## 3517               7.0          6.0          7.0
## 3518               5.0          5.0          5.0
## 3519               7.0          5.0          7.0
## 3520               5.0          5.0          5.0
## 3521               6.0          6.0          6.0
## 3522               7.0          7.0          6.0
## 3523               6.0          6.0          6.0
## 3524               7.0          7.0          7.0
## 3525               7.0          6.0          6.0
## 3526               6.0          6.0          6.0
## 3527               6.0          5.0          5.0
## 3528               6.0          5.0          6.0
## 3529               7.0          4.0          6.0
## 3530               6.0          7.0          6.0
## 3531               6.0          6.0          7.0
## 3532               7.0          4.0          6.0
## 3533               7.0          6.0          7.0
## 3534               7.0          6.0          5.0
## 3535               7.0          5.0          6.0
## 3536               6.0          7.0          6.0
## 3537               6.0          4.0          5.0
## 3538               7.0          7.0          7.0
## 3539               7.0          6.0          7.0
## 3540               7.0          6.0          5.0
## 3541               5.0          3.0          5.0
## 3542               7.0          6.0          5.0
## 3543               6.0          7.0          5.0
```

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## 3544              6.0           6.0            5.0
## 3545              7.0           4.0            6.0
## 3546              7.0           7.0            6.0
## 3547              7.0           4.0            7.0
## 3548              8.0           6.0            8.0
## 3549              7.0           7.0            7.0
## 3550              6.0           6.0            6.0
## 3551              6.0           6.0            6.0
## 3552              6.0           6.0            6.0
## 3553              8.0           5.0            8.0
## 3554              7.0           7.0            7.0
## 3555              6.0           5.0            5.0
## 3556              6.0           4.0            6.0
## 3557              7.0           7.0            7.0
## 3558              9.0           6.0            9.0
## 3559              8.0           8.0            7.0
## 3560              7.0           7.0            7.0
## 3561              6.0           5.0            7.0
## 3562              6.0           3.0            7.0
## 3563              6.0           6.0            7.0
## 3564              7.0           9.0            9.0
## 3565              8.0           7.0            7.0
## 3566              9.0           8.0           10.0
## 3567              7.0           7.0            6.0
## 3568              5.0           5.0            5.0
## 3569              9.0           4.0            4.0
## 3570              5.0           2.0            5.0
## 3571              7.0           5.0            4.0
## 3572             10.0           6.0            3.0
## 3573             10.0           5.0            4.0
## 3574              6.0           5.0            9.0
## 3575             10.0           8.0            7.0
## 3576              8.0           7.0            7.0
## 3577             10.0           2.0            3.0
## 3578              9.0           8.0            6.0
## 3579              8.0           6.0            7.0
## 3580              9.0           9.0            4.0
## 3581             10.0           3.0            3.0
## 3582              8.0           2.0            3.0
## 3583              7.0           3.0            6.0
## 3584              9.0           4.0            6.0
## 3585              8.0          10.0            7.0
## 3586              9.0           6.0            7.0
## 3587              9.0           2.0            4.0
## 3588              9.0           9.0            8.0
## 3589              9.0           3.0            6.0
## 3590              9.0           6.0            7.0
## 3591              7.0           5.0            5.0
## 3592              8.0           5.0            8.0
## 3593              8.0           8.0            5.0
## 3594             10.0          10.0            7.0
## 3595              8.0           6.0            5.0
## 3596              8.0           4.0            5.0
## 3597              8.0           5.0            5.0
```

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## 3598           8.0          5.0          7.0
## 3599           8.0          8.0          6.0
## 3600           9.0          5.0          7.0
## 3601           9.0          8.0          7.0
## 3602           8.0          4.0          7.0
## 3603           8.0          4.0          8.0
## 3604           7.0          4.0          8.0
## 3605           7.0          6.0          6.0
## 3606           7.0          7.0          7.0
## 3607           9.0          7.0          4.0
## 3608           8.0          6.0          7.0
## 3609           8.0          6.0          8.0
## 3610           7.0          6.0          8.0
## 3611           8.0          5.0          8.0
## 3612           6.0          8.0          7.0
## 3613           7.0          6.0          7.0
## 3614           8.0          7.0          8.0
## 3615          10.0         10.0          8.0
## 3616           7.0          7.0          5.0
## 3617           8.0          9.0          8.0
## 3618           9.0          8.0          8.0
## 3619           7.0          4.0          6.0
## 3620           6.0          8.0          7.0
## 3621           5.0          5.0          6.0
## 3622           8.0          8.0          7.0
## 3623           7.0          7.0          6.0
## 3624           7.0          5.0          5.0
## 3625           6.0          7.0         10.0
## 3626           8.0          7.0          7.0
## 3627           8.0          9.0          9.0
## 3628          10.0          6.0          8.0
## 3629           9.0          7.0         10.0
## 3630           8.0          8.0          9.0
## 3631           8.0          8.0          9.0
## 3632           8.0          6.0          5.0
## 3633           7.0          6.0          6.0
## 3634           8.0          8.0          7.0
## 3635           9.0          8.0          7.0
## 3636           8.0          8.0          7.0
## 3637           7.0          6.0          6.0
## 3638           8.0          8.0          8.0
## 3639           8.0          7.0          8.0
## 3640           9.0          6.0          6.0
## 3641           8.0          8.0          8.0
## 3642           7.0          5.0          7.0
## 3643           6.0          5.0          4.0
## 3644           7.0          5.0          6.0
## 3645           6.0          5.0          5.0
## 3646           6.0          5.0          6.0
## 3647           7.0          8.0          7.0
## 3648           7.0          9.0          8.0
## 3649           7.0          6.0          6.0
## 3650           8.0          7.0          8.0
## 3651           6.0          8.0          8.0
```

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```
## 3652          7.0          6.0          5.0
## 3653          9.0          9.0          8.0
## 3654          8.0          7.0          8.0
## 3655          8.0          5.0          8.0
## 3656          8.0          8.0          7.0
## 3657          8.0          7.0          6.0
## 3658          8.0          8.0          8.0
## 3659          8.0          7.0          6.0
## 3660          9.0          7.0          6.0
## 3661          8.0          7.0          6.0
## 3662          7.0          7.0          7.0
## 3663          7.0          7.0          7.0
## 3664          8.0          6.0          7.0
## 3665          8.0          8.0          6.0
## 3666          8.0          7.0          6.0
## 3667          8.0          6.0          9.0
## 3668          7.0          8.0          6.0
## 3669          9.0          8.0          8.0
## 3670          7.0          6.0          7.0
## 3671          8.0          7.0          8.0
## 3672          9.0          6.0          6.0
## 3673          8.0          8.0          8.0
## 3674         10.0          9.0         10.0
## 3675          8.0          7.0          8.0
## 3676          9.0          7.0          7.0
## 3677          7.0          7.0          7.0
## 3678          8.0          8.0          8.0
## 3679          7.0          7.0          7.0
## 3680          8.0          9.0          7.0
## 3681          9.0          9.0          7.0
## 3682          9.0          6.0          7.0
## 3683          9.0          9.0          9.0
## 3684          9.0          9.0          9.0
## 3685          9.0          6.0          8.0
## 3686          8.0          7.0          8.0
## 3687         10.0          9.0         10.0
## 3689          9.0          7.0          7.0
## 3690          9.0         10.0          8.0
## 3691          9.0          9.0          8.0
## 3692         10.0          8.0         10.0
## 3693          9.0         10.0         10.0
## 3694          9.0          4.0         10.0
## 3695          6.0          5.0          6.0
## 3696          8.0          8.0          7.0
## 3697          7.0          5.0          8.0
## 3698          7.0          6.0          6.0
## 3699          7.0          7.0          6.0
## 3700          7.0          7.0          7.0
## 3701          8.0          8.0          7.0
## 3702          8.0          7.0          5.0
## 3703          6.0          3.0          6.0
## 3704          7.0          5.0          5.0
## 3705          8.0          8.0          6.0
## 3706          8.0          6.0          6.0
```

```
## 3707          6.0          2.0          6.0
## 3708          7.0          7.0          5.0
## 3709          6.0          4.0          6.0
## 3710          7.0          7.0          7.0
## 3711          8.0          8.0          7.0
## 3712          7.0          7.0          7.0
## 3713          6.0          3.0          6.0
## 3714          6.0          7.0          6.0
## 3715          6.0          4.0          6.0
## 3716          6.0          4.0          4.0
## 3717          6.0          4.0          4.0
## 3718         10.0          5.0          6.0
## 3719          8.0          4.0          6.0
## 3720          6.0          5.0          6.0
## 3721          6.0          5.0          5.0
## 3722          5.0          5.0          6.0
## 3723         10.0          5.0          8.0
## 3724          9.0          3.0          6.0
## 3725          8.0          8.0          6.0
## 3727          8.0          4.0          6.0
## 3728          8.0          2.0          5.0
## 3729          8.0          4.0          8.0
## 3730          9.0          5.0          6.0
## 3731          7.0          6.0          7.0
## 3732          6.0          6.0          6.0
## 3733          8.0          3.0          6.0
## 3734          7.0          6.0          7.0
## 3735          8.0          4.0          7.0
## 3736          8.0          4.0          8.0
## 3737          9.0          4.0          8.0
## 3738          6.0          4.0          4.0
## 3739          5.0          3.0          7.0
## 3740          7.0          5.0          4.0
## 3741          6.0          4.0          3.0
## 3742          9.0          3.0          5.0
## 3743          9.0          6.0          5.0
## 3744          8.0          3.0          7.0
## 3745          9.0          3.0          7.0
## 3746          6.0          5.0          4.0
## 3747          7.0         10.0          5.0
## 3748          7.0          8.0          5.0
## 3749          7.0          2.0          6.0
## 3750          5.0          3.0          7.0
## 3751          7.0          0.0          4.0
## 3752          8.0          7.0          5.0
## 3753          8.0          7.0          5.0
## 3754          8.0          2.0          4.0
## 3755          9.0          9.0          9.0
## 3756          8.0          6.0          4.0
## 3757          4.0          5.0          6.0
## 3758          6.0          5.0          5.0
## 3759          5.0          5.0          5.0
## 3760          7.0          4.0          7.0
## 3761          6.0          6.0          7.0
```

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## 3762          5.0          5.0          6.0
## 3763          5.0          5.0          5.0
## 3764          5.0          5.0          5.0
## 3765          7.0          4.0          7.0
## 3766          7.0          3.0          4.0
## 3767          6.0          6.0          7.0
## 3768          7.0          5.0          5.0
## 3769          6.0          6.0          7.0
## 3770          6.0          6.0          5.0
## 3771          7.0          6.0          7.0
## 3772          7.0          4.0          6.0
## 3773          6.0          6.0          7.0
## 3774          5.0          6.0          6.0
## 3775          7.0          4.0          6.0
## 3776          7.0          6.0          7.0
## 3777          6.0          7.0          7.0
## 3778          6.0          5.0          6.0
## 3779          9.0          8.0          7.0
## 3780          7.0          8.0          8.0
## 3781          7.0          6.0          7.0
## 3782          9.0          7.0          8.0
## 3783          9.0          6.0          7.0
## 3784          8.0          7.0          9.0
## 3785          9.0          8.0          9.0
## 3786          8.0          7.0          7.0
## 3787          7.0          5.0          5.0
## 3788          6.0          7.0          7.0
## 3789          8.0          6.0          5.0
## 3790          7.0          6.0          8.0
## 3791          8.0          5.0          8.0
## 3792          6.0          6.0          6.0
## 3793          6.0          4.0          7.0
## 3794          7.0          7.0          7.0
## 3795          9.0          6.0          8.0
## 3796          9.0          8.0          8.0
## 3797          9.0          7.0          9.0
## 3798          9.0          8.0          8.0
## 3799          9.0          6.0          9.0
## 3800          8.0          6.0          9.0
## 3801          7.0          7.0          6.0
## 3802          8.0          4.0         10.0
## 3803          9.0          6.0          8.0
## 3804          7.0          6.0          7.0
## 3805          9.0          6.0          8.0
## 3806          8.0          6.0         10.0
## 3807          9.0          8.0          8.0
## 3808         10.0          5.0         10.0
## 3809          5.0          7.0          6.0
## 3810          7.0          6.0          9.0
## 3811          8.0          7.0          7.0
## 3812          8.0          6.0         10.0
## 3813          9.0          6.0          7.0
## 3814          8.0          8.0          9.0
## 3815          8.0          7.0          8.0
```

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## 3816          8.0          7.0          7.0
## 3817          8.0          5.0          8.0
## 3818          9.0          8.0          9.0
## 3819          7.0          9.0          7.0
## 3820          7.0          7.0          7.0
## 3821          6.0          4.0          5.0
## 3822          5.0          5.0          5.0
## 3823          7.0          5.0          6.0
## 3824          8.0          7.0          6.0
## 3825          7.0          6.0          7.0
## 3826          5.0          4.0          5.0
## 3827          6.0          5.0          5.0
## 3828          8.0          7.0          6.0
## 3829          7.0          5.0          5.0
## 3830          6.0          7.0          5.0
## 3831          7.0          5.0          6.0
## 3832          7.0          6.0          5.0
## 3833          5.0          4.0          5.0
## 3834          6.0          4.0          6.0
## 3835          5.0          5.0          6.0
## 3836          7.0          6.0          5.0
## 3837          6.0          4.0          6.0
## 3838          7.0          4.0          6.0
## 3839          8.0          5.0          7.0
## 3840          7.0          6.0          6.0
## 3841          5.0          5.0          6.0
## 3842          7.0          5.0          5.0
## 3843          4.0          5.0          5.0
## 3844          5.0          5.0          4.0
## 3845          7.0          4.0          4.0
## 3846          7.0          5.0          6.0
## 3847          6.0          4.0          4.0
## 3848          7.0          6.0          6.0
## 3849          8.0          4.0          4.0
## 3850          6.0          3.0          4.0
## 3851          7.0          7.0          5.0
## 3852          5.0          4.0          5.0
## 3853          4.0          3.0          4.0
## 3854          6.0          4.0          5.0
## 3855          6.0          4.0          5.0
## 3856          4.0          4.0          4.0
## 3857          6.0          6.0          5.0
## 3858          7.0          7.0          5.0
## 3859          7.0          6.0          6.0
## 3860          6.0          6.0          5.0
## 3861          7.0          6.0          6.0
## 3862          6.0          7.0          7.0
## 3863          7.0          6.0          7.0
## 3864          7.0          8.0          9.0
## 3865          8.0          7.0          7.0
## 3866          9.0          7.0          8.0
## 3867          8.0          7.0          8.0
## 3868         10.0          6.0         10.0
## 3869          8.0          8.0          7.0
```

```
## 3870          8.0          1.0          6.0
## 3871          9.0          7.0          9.0
## 3872          9.0          8.0          8.0
## 3873          7.0          6.0          7.0
## 3874          6.0          5.0          6.0
## 3875          7.0          4.0          7.0
## 3876          8.0          7.0          6.0
## 3877          6.0          5.0          4.0
## 3878          8.0          7.0         10.0
## 3879          7.0          6.0          5.0
## 3880          9.0          7.0          8.0
## 3881         10.0          6.0         10.0
## 3882          8.0          7.0          8.0
## 3883          6.0          6.0          6.0
## 3884          8.0          7.0          6.0
## 3885          8.0          5.0          7.0
## 3886          9.0          7.0          8.0
## 3887          5.0          8.0          4.0
## 3888          8.0          5.0          5.0
## 3889          7.0          5.0          8.0
## 3890          8.0          8.0          8.0
## 3891          8.0          6.0          8.0
## 3892          8.0          7.0          8.0
## 3893          7.0          5.0          5.0
## 3894          9.0          9.0          8.0
## 3895          8.0          9.0          7.0
## 3896          5.0          5.0          7.0
## 3897          9.0          4.0          8.0
## 3898          9.0          7.0          7.0
## 3899          5.0          6.0          5.0
## 3900          9.0          6.0          9.0
## 3901          8.0          5.0          6.0
## 3902          7.0          5.0          7.0
## 3903          5.0          6.0          4.0
## 3904          7.0          7.0          6.0
## 3905          8.0          9.0          8.0
## 3906          8.0          7.0          7.0
## 3907         10.0          6.0          9.0
## 3908          6.0          4.0          6.0
## 3909          8.0          5.0          9.0
## 3910          8.0          8.0          8.0
## 3911          5.0          6.0          7.0
## 3912          8.0          5.0          6.0
## 3913          8.0          6.0         10.0
## 3914          6.0          5.0          4.0
## 3915          7.0          6.0          2.0
## 3916          9.0          9.0          8.0
## 3917          8.0          8.0          9.0
## 3918          2.0          0.0          4.0
## 3919          8.0          8.0          7.0
## 3920          3.0          2.0          4.0
## 3921          9.0          8.0         10.0
## 3922          8.0          7.0          6.0
## 3923          7.0          4.0          5.0
```

```
## 3924          4.0        6.0          5.0
## 3925          8.0        7.0          8.0
## 3926          8.0        6.0          6.0
## 3927          7.0        5.0          6.0
## 3928          6.0        6.0          5.0
## 3929          6.0        5.0          5.0
## 3930          7.0        6.0          5.0
## 3931          7.0        5.0          6.0
## 3932          6.0        5.0          6.0
## 3934          8.0        5.0          7.0
## 3935          7.0        5.0          6.0
## 3936          8.0        5.0          8.0
## 3937          7.0        5.0          7.0
## 3938          7.0        7.0          5.0
## 3939          7.0        4.0          5.0
## 3940          8.0        6.0          6.0
## 3941          7.0        5.0          6.0
## 3942          8.0        7.0          8.0
## 3943          7.0        5.0          7.0
## 3944          8.0        6.0          7.0
## 3945          6.0        6.0          6.0
## 3946          6.0        6.0          7.0
## 3947          8.0        7.0          9.0
## 3948          7.0        2.0          6.0
## 3949         10.0        3.0          6.0
## 3950          5.0        5.0          4.0
## 3951          9.0        7.0          8.0
## 3952          4.0        5.0          3.0
## 3953          9.0        8.0          8.0
## 3954         10.0       10.0         10.0
## 3955          8.0        7.0          5.0
## 3956          9.0        7.0          5.0
## 3957          7.0        3.0          6.0
## 3958          7.0        8.0          7.0
## 3959          6.0        8.0          5.0
## 3960          6.0        2.0          3.0
## 3961          6.0        5.0          4.0
## 3962          3.0        5.0          3.0
## 3963          8.0        8.0          7.0
## 3964          8.0        9.0          7.0
## 3965          8.0        7.0          5.0
## 3966          4.0        9.0          8.0
## 3967          5.0        6.0          8.0
## 3968          7.0        6.0          7.0
## 3969          7.0        5.0          6.0
## 3970          7.0        6.0          7.0
## 3971          6.0        4.0          5.0
## 3972          7.0        7.0          7.0
## 3973          6.0        6.0          7.0
## 3974          8.0        8.0          7.0
## 3975          8.0        9.0          7.0
## 3976          8.0        8.0          7.0
## 3977          7.0        7.0          7.0
## 3978          5.0        5.0          7.0
```

```
## 3979            7.0        8.0        7.0
## 3980            7.0        7.0        7.0
## 3981            7.0        5.0        9.0
## 3982            7.0        7.0        7.0
## 3983            7.0        7.0        8.0
## 3984            8.0        8.0        8.0
## 3985            7.0        8.0        7.0
## 3986            8.0        7.0        7.0
## 3987            6.0        8.0        7.0
## 3988            6.0        6.0        7.0
## 3989            8.0        7.0        8.0
## 3990            7.0        5.0        8.0
## 3991            8.0        7.0        8.0
## 3992            5.0        5.0        5.0
## 3993            8.0        7.0        8.0
## 3994            5.0        5.0        5.0
## 3995            7.0        7.0        7.0
## 3996            5.0        3.0        5.0
## 3997            5.0        3.0        5.0
## 3998            6.0        5.0        5.0
## 3999            6.0        7.0        7.0
## 4000            8.0        8.0        8.0
## 4001            7.0        5.0        5.0
## 4002            7.0        5.0        5.0
## 4003            8.0        8.0        8.0
## 4004            6.0        5.0        5.0
## 4005            7.0        7.0        7.0
## 4006            8.0        7.0        9.0
## 4007            6.0        7.0        8.0
## 4008            7.0        5.0        8.0
## 4009            7.0        4.0        5.0
## 4010            9.0       10.0        8.0
## 4011            7.0        4.0        6.0
## 4012            8.0        7.0        8.0
## 4013            7.0        3.0        6.0
## 4014            8.0        6.0        9.0
## 4015            7.0        7.0        5.0
## 4016            8.0        7.0        5.0
## 4017            6.0        3.0        4.0
## 4018            8.0        8.0        7.0
## 4019           10.0        9.0        7.0
## 4020            9.0        3.0        7.0
## 4021            8.0        9.0        6.0
## 4022            9.0        7.0        6.0
## 4023            9.0        3.0        4.0
## 4024            8.0        7.0        7.0
## 4025            8.0        4.0        5.0
## 4026            9.0        8.0        9.0
## 4027            9.0        8.0        9.0
## 4028            9.0        8.0        7.0
## 4029            6.0        4.0        6.0
## 4030            5.0        7.0        6.0
## 4031            7.0        7.0        8.0
## 4032            7.0        3.0        7.0
```

```
## 4033              8.0         6.0          6.0
## 4034              8.0         5.0          6.0
## 4035              8.0         7.0          7.0
## 4036              6.0         6.0          5.0
## 4037              8.0         9.0          6.0
## 4038              9.0         7.0          8.0
## 4039              8.0         7.0          8.0
## 4040              8.0         7.0          7.0
## 4041              7.0         5.0          7.0
## 4042              8.0         8.0          7.0
## 4043              7.0         8.0          7.0
## 4044              8.0         3.0          8.0
## 4045              7.0         8.0          5.0
## 4046              5.0         5.0          5.0
## 4047              7.0         7.0          7.0
## 4048              8.0         8.0          7.0
## 4049              8.0         8.0          7.0
## 4050              6.0         5.0          4.0
## 4051              6.0         6.0          7.0
## 4052              8.0         8.0          5.0
## 4053              8.0         4.0          5.0
## 4054              7.0         6.0          5.0
## 4055              4.0         3.0          5.0
## 4056              7.0         3.0         10.0
## 4057              5.0         5.0          6.0
## 4058              6.0         6.0          7.0
## 4059              7.0         4.0          9.0
## 4060              9.0         5.0          9.0
## 4061              9.0         3.0          5.0
## 4062              7.0         5.0          3.0
## 4063              9.0         7.0          8.0
## 4064              6.0         3.0          3.0
## 4065              8.0         5.0          3.0
## 4066             10.0         8.0          7.0
## 4067              6.0         7.0          8.0
## 4068              8.0         8.0         10.0
## 4069             10.0         7.0          7.0
## 4070             10.0         6.0          9.0
## 4071              7.0         4.0          6.0
## 4072              3.0         6.0          5.0
## 4073              7.0         7.0          8.0
## 4074              9.0         6.0          7.0
## 4075              7.0         7.0          7.0
## 4076              7.0         5.0          5.0
## 4077              7.0         7.0          7.0
## 4078              8.0         8.0          8.0
## 4079              8.0         8.0          8.0
## 4080              7.0         7.0          7.0
## 4081              9.0         9.0          9.0
## 4082              7.0         7.0          7.0
## 4083              7.0         7.0          7.0
## 4084              8.0         8.0          8.0
## 4085              7.0         7.0          7.0
## 4086              7.0         0.0          7.0
```

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## 4087            7.0            7.0            7.0
## 4088            8.0            8.0            7.0
## 4089            9.0            9.0            9.0
## 4090            8.0            8.0            7.0
## 4091            9.0            9.0            9.0
## 4092            8.0            8.0            8.0
## 4093            8.0            8.0            7.0
## 4094            9.0            9.0            9.0
## 4095            3.0            6.0            6.0
## 4096           10.0           10.0           10.0
## 4097            9.0            9.0            9.0
## 4098            9.0            9.0            9.0
## 4099           10.0           10.0           10.0
## 4100            9.0            9.0            9.0
## 4101            9.0            9.0            9.0
## 4102            7.0            7.0            7.0
## 4103            6.0            6.0            6.0
## 4104           10.0           10.0           10.0
## 4105            1.0            1.0            1.0
## 4106           10.0           10.0           10.0
## 4107           10.0           10.0           10.0
## 4108           10.0           10.0           10.0
## 4109            5.0            5.0            5.0
## 4110           10.0           10.0           10.0
## 4111            9.0            9.0            9.0
## 4112            9.0            5.0            9.0
## 4113            9.0            9.0            9.0
## 4114           10.0           10.0           10.0
## 4115            7.0            7.0            7.0
## 4116            7.0            3.0            7.0
## 4117            7.0            4.0            7.0
## 4118            7.0            8.0            7.0
## 4119            7.0            6.0            6.0
## 4120            7.0            8.0            7.0
## 4121            7.0            9.0            7.0
## 4122            6.0            4.0            7.0
## 4123            7.0            6.0            7.0
## 4124            8.0            5.0            6.0
## 4125            7.0            6.0            7.0
## 4126            7.0            6.0            7.0
## 4127            7.0            4.0            7.0
## 4128            7.0            3.0            3.0
## 4129            7.0            7.0            7.0
## 4130            7.0            6.0            7.0
## 4131            7.0            6.0            7.0
## 4132            7.0            6.0            7.0
## 4133            7.0            6.0            7.0
## 4134            7.0            5.0            7.0
## 4135            7.0            6.0            7.0
## 4136            5.0            5.0            4.0
## 4137            5.0            4.0            4.0
## 4138            8.0            8.0            8.0
## 4139            3.0            3.0            3.0
## 4140            6.0            6.0            6.0
```

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## 4141                8.0          8.0          8.0
## 4142                7.0          7.0          7.0
## 4143                9.0          9.0          9.0
## 4144                6.0          6.0          6.0
## 4145                6.0          6.0          6.0
## 4146                7.0          7.0          7.0
## 4147                6.0          6.0          6.0
## 4148                7.0          7.0          7.0
## 4149                7.0          7.0          7.0
## 4150                7.5          7.5          7.5
## 4151                6.0          6.0          6.0
## 4152                8.5          8.5          8.5
## 4153                8.0          8.0          8.0
## 4154                6.0          6.0          6.0
## 4155                6.0          6.0          6.0
## 4156                8.0          8.0          8.0
## 4157                8.0          7.0          9.0
## 4158                7.0          7.0          7.0
## 4159                9.0          7.0          8.0
## 4160                7.0          7.0          8.0
## 4161                7.0          7.0          7.0
## 4162                8.0          7.0          7.0
## 4163                8.0          7.0          7.0
## 4164                8.0          7.0          7.0
## 4165                8.0          7.0          7.0
## 4166                8.0          7.0          7.0
## 4167                9.0          7.0          7.0
## 4168                8.0          7.0          5.0
## 4169                8.0          7.0          7.0
## 4170                9.0          7.0          7.0
## 4171                8.0          7.0          7.0
## 4172                7.0          7.0          7.0
## 4173                8.0          7.0          7.0
## 4174                7.0          7.0          9.0
## 4175                9.0          8.0          8.0
## 4176                8.0          7.0          7.0
## 4177                9.0          8.0          9.0
## 4178                7.0          7.0          6.0
## 4179                6.0          4.0          4.0
## 4180                7.0          8.0          7.0
## 4181                5.0          5.0          6.0
## 4182                6.0          6.0          5.0
## 4183                7.0          6.0          6.0
## 4184                5.0          4.0          4.0
## 4185                6.0          6.0          6.0
## 4186                8.0          6.0          6.0
## 4187                5.0          4.0          5.0
## 4188                6.0          6.0          5.0
## 4189                8.0          8.0          6.0
## 4190                8.0          8.0          7.0
## 4191                7.0          5.0          5.0
## 4192                7.0          7.0          6.0
## 4193                9.0          9.0          6.0
## 4194                9.0          9.0          7.0
```

```
## 4195          8.0          8.0          8.0
## 4196          7.0          7.0          5.0
## 4197          8.0          9.0          6.0
## 4198          9.0          8.0          7.0
## 4199          5.0          8.0          5.0
## 4200          6.0          4.0          4.0
## 4201          7.0          5.0          5.0
## 4202          3.0          4.0          5.0
## 4203          6.0          6.0          5.0
## 4204          6.0          5.0          6.0
## 4205          5.0          5.0          5.0
## 4206          5.0          5.0          6.0
## 4207          5.0          4.0          5.0
## 4208          6.0          5.0          6.0
## 4209          7.0          6.0          5.0
## 4210          7.0          7.0          6.0
## 4211          5.0          3.0          3.0
## 4212          5.0          3.0          5.0
## 4213          7.0          6.0          5.0
## 4214          3.0          3.0          3.0
## 4215          6.0          5.0          5.0
## 4216          7.0          6.0          5.0
## 4217          5.0          6.0          5.0
## 4218          3.0          3.0          3.0
## 4219          4.0          4.0          4.0
## 4220          6.0          5.0          7.0
## 4221          6.0          2.0          6.0
## 4222          8.0          7.0          6.0
## 4223          7.0          4.0          7.0
## 4224          8.0          8.0          7.0
## 4225          6.0          6.0          6.0
## 4226          7.0          2.0          7.0
## 4227          7.0          5.0          5.0
## 4228          4.0          2.0          5.0
## 4229          6.0          2.0          7.0
## 4230          9.0          7.0          6.0
## 4231          8.0          8.0          5.0
## 4232          5.0          5.0          6.0
## 4233          5.0          3.0          3.0
## 4234          8.0          8.0          3.0
## 4235          5.0          5.0          6.0
## 4236          8.0          6.0          5.0
## 4237         10.0          9.0          8.0
## 4238          7.0          5.0          5.0
## 4239          4.0          3.0          2.0
## 4240          4.0          6.0          3.0
## 4241          6.0          5.0          4.0
## 4242          6.0          5.0          5.0
## 4243          6.0          5.0          6.0
## 4244          6.0          4.0          4.0
## 4245          8.0          7.0          6.0
## 4246          7.0          7.0          6.0
## 4247          7.0          6.0          6.0
## 4248          8.0          5.0          7.0
```

```
## 4249            9.0         7.0           8.0
## 4250            8.0         6.0           7.0
## 4251            6.0         5.0           6.0
## 4252            8.0         7.0           7.0
## 4253            7.0         5.0           7.0
## 4254            6.0         3.0           5.0
## 4255            7.0         7.0           7.0
## 4256            5.0         5.0           3.0
## 4257            8.0         8.0           7.0
## 4258            7.0         6.0           5.0
## 4259            8.0         5.0           5.0
## 4260            6.0         6.0           5.0
## 4261            6.0         6.0           5.0
## 4262            8.0         9.0           8.0
## 4263            8.0         7.0           6.0
## 4264            8.0         7.0           7.0
## 4265            8.0         7.0           7.0
## 4266            8.0         7.0           6.0
## 4267            6.0         6.0           6.0
## 4268            8.0         7.0           6.0
## 4269            7.0         6.0           6.0
## 4270            8.0         6.0           6.0
## 4271            8.0         7.0           6.0
## 4272            9.0         7.0           6.0
## 4273            8.0         8.0           6.0
## 4274            7.0         6.0           6.0
## 4275            9.0         6.0           6.0
## 4276            9.0         8.0           5.0
## 4277            8.0         7.0           6.0
## 4278            9.0         9.0           8.0
## 4279            8.0         6.0           6.0
## 4280            8.0         7.0           6.0
## 4281            7.0         6.0           5.0
## 4282            7.0         6.0           7.0
## 4283            6.0         6.0           6.0
## 4284            8.0         6.0           7.0
## 4285            7.0         4.0           4.0
## 4286            8.0         4.0           6.0
## 4287            7.0         5.0           6.0
## 4288            7.0         7.0          10.0
## 4289            8.0         9.0           6.0
## 4290            9.0         4.0           5.0
## 4291            9.0         5.0           6.0
## 4292            7.0         4.0           6.0
## 4293           10.0         4.0           5.0
## 4294           10.0         8.0           7.0
## 4295           10.0         7.0           7.0
## 4296            7.0         3.0           5.0
## 4297            8.0         5.0           7.0
## 4298            7.0         4.0           5.0
## 4299            7.0         7.0           7.0
## 4300            7.0         6.0           7.0
## 4301            8.0         4.0           5.0
## 4302            7.0         7.0           7.0
```

```
## 4303              6.0          9.0          7.0
## 4304              7.0          8.0          7.0
## 4305              7.0          6.0          5.0
## 4306              8.0          6.0          5.0
## 4307              6.0          5.0          5.0
## 4308              9.0          6.0          7.0
## 4309              6.0          6.0          5.0
## 4310              7.0          8.0          6.0
## 4311              6.0          4.0          6.0
## 4312              8.0          6.0          6.0
## 4313              7.0          6.0          5.0
## 4314              7.0          4.0          4.0
## 4315              8.0          8.0          7.0
## 4316              7.0          6.0          6.0
## 4317              4.0          3.0          4.0
## 4318              6.0          5.0          4.0
## 4319              7.0          7.0          8.0
## 4320              9.0          6.0          6.0
## 4321              8.0          7.0          6.0
## 4322              6.0          5.0          5.0
## 4323              6.0          8.0          5.0
## 4324              6.0          7.0          5.0
## 4325              9.0          6.0          8.0
## 4326              8.0          9.0          7.0
## 4327              5.0          5.0          5.0
## 4328              6.0          5.0          8.0
## 4329              7.0          7.0          7.0
## 4330              8.0          7.0          8.0
## 4331              8.0          5.0          9.0
## 4332              8.0          6.0          6.0
## 4333              9.0          9.0          9.0
## 4334              7.0          7.0          7.0
## 4335              8.0          5.0          7.0
## 4336              7.0          8.0          7.0
## 4337              7.0          5.0          7.0
## 4338              7.0          4.0          7.0
## 4339              9.0          6.0          6.0
## 4340              7.0          9.0          7.0
## 4341             10.0          5.0          5.0
## 4342              7.0          7.0          7.0
## 4343              7.0          7.0          7.0
## 4344              7.0          9.0          7.0
## 4345              9.0          5.0          5.0
## 4346              8.0          6.0          7.0
## 4347              8.0          9.0          9.0
## 4348              7.0          9.0          7.0
## 4349              8.0          8.0          8.0
## 4350              7.0          5.0          7.0
## 4351              8.0          5.0          7.0
## 4352              7.0          5.0          7.0
## 4353              6.0          3.0          3.0
## 4354              9.0          3.0          5.0
## 4355              5.0          3.0          1.0
## 4356              6.0          5.0          3.0
```

```
## 4357                6.0         6.0         4.0
## 4358                9.0         8.0         7.0
## 4359                6.0         4.0         2.0
## 4360                8.0         5.0         5.0
## 4361                8.0         9.0         8.0
## 4362                8.0         9.0         8.0
## 4363                5.0         6.0         6.0
## 4364                9.0         6.0         5.0
## 4365                5.0         5.0         5.0
## 4366                8.0         9.0         9.0
## 4367                8.0         7.0         8.0
## 4368                8.0         8.0         8.0
## 4369                9.0         7.0         8.0
## 4370                9.0         7.0         9.0
## 4371                5.0         5.0         9.0
## 4372                7.0         7.0         7.0
## 4373                7.0         6.0         8.0
## 4374                7.0         5.0         9.0
## 4375                7.0         8.0         9.0
## 4376                7.0         7.0         9.0
## 4377                8.0         7.0         9.0
## 4378               10.0         8.0         9.0
## 4379                7.0         6.0         8.0
## 4380                7.0         7.0         8.0
## 4381                8.0         6.0         8.0
## 4382                9.0         6.0         7.0
## 4383                8.0         6.0         7.0
## 4384                9.0         9.0         9.0
## 4385                9.0         9.0         9.0
## 4386                8.0         8.0         8.0
## 4387                8.0         6.0         8.0
## 4388                8.0         8.0         8.0
## 4389                9.0         9.0         9.0
## 4390                8.0         7.0         7.0
## 4391                8.0         6.0         7.0
## 4392                7.0         6.0         7.0
## 4393                7.0         6.0         7.0
## 4394                7.0         7.0         7.0
## 4395               10.0        10.0        10.0
## 4396                8.0         7.0         7.0
## 4397                8.0         8.0         8.0
## 4398                9.0         9.0         9.0
## 4399                9.0         8.0         9.0
## 4400                9.0         8.0         8.0
## 4401                8.0         8.0         8.0
## 4402               10.0         9.0         9.0
## 4403               10.0        10.0        10.0
## 4404                9.0         9.0         9.0
## 4405               10.0         9.0         9.0
## 4406                8.0         8.0         8.0
## 4407                9.0         7.0         7.0
## 4408                7.0         2.0         2.0
## 4409               10.0         9.0        10.0
## 4410               10.0        10.0         9.0
```

```
## 4411          10.0           7.0           7.0
## 4412           9.0           9.0           8.0
## 4413           9.0           9.0           9.0
## 4414          10.0          10.0           9.0
## 4415          10.0           6.0           9.0
## 4416          10.0           8.0           7.0
## 4417           9.0          10.0           7.0
## 4418          10.0          10.0           9.0
## 4419           9.0           7.0          10.0
## 4420          10.0          10.0           9.0
## 4421          10.0           9.0          10.0
## 4422          10.0           9.0           8.0
## 4423           8.0           2.0           9.0
## 4424          10.0           5.0          10.0
## 4425           7.0           2.0           9.0
## 4426           9.0           7.0           9.0
## 4427           8.0           2.0           5.0
## 4428           8.0           8.0           5.0
## 4429           7.0           6.0           8.0
## 4430           6.0           5.0           6.0
## 4431           7.0           7.0           8.0
## 4432           8.0          10.0           5.0
## 4433          10.0           5.0          10.0
## 4434          10.0           5.0           6.0
## 4435          10.0           4.0          10.0
## 4436           7.0           7.0           9.0
## 4437          10.0           7.0          10.0
## 4438           8.0           4.0           8.0
## 4439           7.0           7.0           3.0
## 4440           7.0           8.0           7.0
## 4441          10.0          10.0          10.0
## 4442           7.0           7.0           7.0
## 4443          10.0           7.0           7.0
## 4444           6.0           7.0           6.0
## 4445           6.0           7.0           8.0
## 4446           7.0           7.0          10.0
## 4447           5.0           7.0           7.0
## 4448           8.0           5.0           7.0
## 4449           8.0           6.0           8.0
## 4450           7.0           7.0           7.0
## 4451           7.0           5.0           8.0
## 4452           8.0           8.0           8.0
## 4453           7.0           3.0           6.0
## 4454           8.0           8.0           8.0
## 4455           9.0           8.0           8.0
## 4456           8.0           8.0           8.0
## 4457           9.0           6.0           9.0
## 4458           8.0           5.0           8.0
## 4459           8.0           7.0           8.0
## 4460           7.0           9.0           8.0
## 4461           7.0           6.0           7.0
## 4462           5.0           5.0           5.0
## 4463           9.0           7.0           8.0
## 4464           8.0           6.0           8.0
```

```
## 4465            9.0            1.0            8.0
## 4466            8.0            8.0            7.0
## 4467            9.0            2.0            6.0
## 4468            7.0            5.0            7.0
## 4469            8.0            3.0            5.0
## 4470            8.0            7.0            5.0
## 4471           10.0            3.0            9.0
## 4472           10.0            3.0            8.0
## 4473            9.0            9.0            9.0
## 4474            8.0           10.0            7.0
## 4475            7.0            3.0            7.0
## 4476            5.0            5.0            6.0
## 4477            7.0            3.0            7.0
## 4478            6.0            3.0            5.0
## 4479            8.0            7.0            7.0
## 4480            9.0            8.0            2.0
## 4481            8.0            6.0            6.0
## 4482            8.0            6.0            6.0
## 4483            8.0            8.0            7.0
## 4484            7.0            6.0            7.0
## 4485            9.0            8.0            8.0
## 4486            9.0            8.0            7.0
## 4487            7.0            5.0            9.0
## 4488            8.0            9.0            7.0
## 4489            8.0            5.0            7.0
## 4490            7.0            5.0            9.0
## 4491            7.0            5.0            5.0
## 4492            7.0            6.0            6.0
## 4493            9.0            9.0            8.0
## 4494            8.0            9.0            8.0
## 4495            6.0            6.0            6.0
## 4496            7.0            8.0            7.0
## 4497            8.0            7.0            7.0
## 4498            8.0            6.0            6.0
## 4499            7.0            7.0            8.0
## 4500            8.0            8.0            8.0
## 4501            8.0            7.0            8.0
## 4502            8.0            8.0            8.0
## 4503            6.0            5.0            5.0
## 4504            6.0            6.0            6.0
## 4505            7.0            6.0            6.0
## 4506            8.0            6.0            6.0
## 4507            7.0            5.0            5.0
## 4508            6.0            7.0            5.0
## 4509            6.0            4.0            4.0
## 4510            8.0            7.0            7.0
## 4511            7.5            8.0            7.0
## 4512            9.0            9.0            8.0
## 4513            8.0            5.0            8.0
## 4514            8.0            6.0            7.0
## 4515            7.0            8.0            7.0
## 4516            7.0            8.0            5.0
## 4517            7.0            6.0            6.0
## 4518            6.0            7.0            5.0
```

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## 4519              6.0         5.0         4.0
## 4520              8.0         5.0         8.0
## 4521              9.0         8.0         7.0
## 4522              8.0         8.0         7.0
## 4523              8.0         7.0         6.0
## 4524              8.0         8.0         6.0
## 4525              9.0         8.0         7.0
## 4526              8.0         8.0         6.0
## 4527              8.0         7.0         6.0
## 4528              8.0         7.0         6.0
## 4529             10.0         8.0         7.0
## 4530             10.0         7.0         6.0
## 4531              8.0         7.0         6.0
## 4532              8.0         7.0         6.0
## 4533             10.0        10.0         8.0
## 4534              9.0         8.0         7.0
## 4535             10.0        10.0        10.0
## 4536              8.0        10.0         8.0
## 4537             10.0         8.0        10.0
## 4538              8.0         8.0         7.0
## 4539              8.0         8.0         8.0
## 4540              9.0         9.0         8.0
## 4541              8.0         9.0         8.0
## 4542             10.0         8.0        10.0
## 4543              4.0         4.0         4.0
## 4544             10.0         9.0        10.0
## 4545              8.0        10.0         8.0
## 4546             10.0        10.0        10.0
## 4547              8.0         8.0         7.0
## 4548             10.0        10.0         7.0
## 4549              8.0         6.0         7.0
## 4550              7.0         5.0         6.0
## 4551              8.0         7.0         6.0
## 4552              7.0         8.0         7.0
## 4553              7.0         8.0         6.0
## 4554              6.0         6.0         6.0
## 4555              6.0         5.0         7.0
## 4556              7.0         6.0         7.0
## 4557              5.0         7.0         5.0
## 4558              7.0         5.0         5.0
## 4559              7.0         7.0         7.0
## 4560              7.0         6.0         6.0
## 4561              7.0         6.0         7.0
## 4562              8.0         8.0         8.0
## 4563              8.0         5.0         4.0
## 4564              5.0         5.0         7.0
## 4565              7.0         5.0         8.0
## 4566              5.0         6.0         5.0
## 4567              6.0         7.0         5.0
## 4568              6.0         4.0         7.0
## 4569              5.0         4.0         5.0
## 4570              7.0         8.0         7.0
## 4571              2.0         0.0         3.0
## 4572              7.0         8.0         5.0
```

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## 4573              4.0        5.0        5.0
## 4574              6.0        5.0        6.0
## 4575              5.0        2.0        8.0
## 4576              6.0        7.0        5.0
## 4577              8.0        7.0        8.0
## 4578              6.0        3.0        4.0
## 4579              7.0        4.0        8.0
## 4580              5.0        6.0        3.0
## 4581              7.0        5.0        5.0
## 4582              8.0        7.0        6.0
## 4583              6.0        4.0        4.0
## 4584              8.0        5.0        8.0
## 4585              4.0        8.0        4.0
## 4586              8.0        6.0        7.0
## 4587              6.0        6.0        4.0
## 4588              8.0        4.0        8.0
## 4589              6.0        5.0        5.0
## 4590              8.0        6.0        7.0
## 4591              6.0        7.0        8.0
## 4592              8.0        7.0        7.0
## 4593              9.0        4.0        8.0
## 4594              6.0        7.0        7.0
## 4595              7.0        5.0        7.0
## 4596              7.0        5.0        5.0
## 4597              7.0        8.0        7.0
## 4598              9.0        8.0        8.0
## 4599              4.0        8.0        6.0
## 4600              9.0        8.0        9.0
## 4601              7.0        8.0        6.0
## 4602              7.0        5.0        6.0
## 4603              6.0        6.0        6.0
## 4604              9.0        8.0        8.0
## 4605              6.0        6.0        6.0
## 4606              5.0        5.0        5.0
## 4607              6.0        5.0        8.0
## 4608              6.0        6.0        6.0
## 4609              5.0        4.0        4.0
## 4610              5.0        5.0        6.0
## 4611              7.0        4.0        5.0
## 4612              7.0        7.0        5.0
## 4613              6.0        7.0        6.0
## 4614              7.0        7.0        6.0
## 4615              5.0        6.0        7.0
## 4616              6.0        6.0        5.0
## 4617              7.0        8.0        5.0
## 4618              7.0        7.0        5.0
## 4619             10.0        7.0        7.0
## 4620              9.0        7.0        4.0
## 4621              8.0        4.0        4.0
## 4622              8.0        6.0        3.0
## 4623              9.0        8.0        3.0
## 4624              9.0        7.0        6.0
## 4625              9.0        6.0        6.0
## 4626              8.0        7.0        7.0
```

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## 4627              6.0           4.0           7.0
## 4628              7.0           7.0           6.0
## 4629              8.0           8.0           3.0
## 4630              8.0           6.0           4.0
## 4631              9.0          10.0           4.0
## 4632             10.0           9.0           5.0
## 4633              9.0           8.0           7.0
## 4634              6.0           6.0           5.0
## 4635              8.0           8.0           7.0
## 4636              6.0           7.0           7.0
## 4637              5.0           4.0           4.0
## 4638              7.0           8.0           5.0
## 4639              8.0           7.0           7.0
## 4640              8.0           4.0           5.0
## 4641              6.0           8.0           7.0
## 4642              6.0           6.0           3.0
## 4643              8.0           9.0           6.0
## 4644              5.0           4.0           4.0
## 4645              5.0           3.0           4.0
## 4646              7.0           6.0           6.0
## 4647              9.0           7.0           7.0
## 4648              7.0           4.0           7.0
## 4649              9.0           9.0           9.0
## 4650              6.0           4.0           6.0
## 4651              7.0           4.0           6.0
## 4652              8.0           7.0           6.0
## 4653              8.0           5.0           6.0
## 4654             10.0           8.0           5.0
## 4655              8.0           6.0           7.0
## 4656              9.0           8.0           7.0
## 4657              8.0           8.0           8.0
## 4658              9.0           8.0           5.0
## 4659              7.0           6.0           4.0
## 4660              7.0           6.0           8.0
## 4661              7.0           6.0           5.0
## 4662              6.0           6.0           4.0
## 4663              7.0           5.0           5.0
## 4664              6.0           6.0           7.0
## 4665              7.0           6.0           6.0
## 4666              8.0           7.0           4.0
## 4667              7.0           6.0           5.0
## 4668              7.0           6.0           7.0
## 4669              5.0           4.0           6.0
## 4670              5.0           5.0           5.0
## 4671              5.0           6.0           6.0
## 4672              5.0           6.0           5.0
## 4673              5.0           4.0           5.0
## 4674              7.0           6.0           5.0
## 4675              9.0           8.0           7.0
## 4676              7.0           6.0           6.0
## 4677              7.0           6.0           6.0
## 4678              7.0           8.0           9.0
## 4679              8.0           5.0           6.0
## 4680              8.0          10.0           9.0
```

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## 4681          9.0          8.0          9.0
## 4682          7.0          8.0          9.0
## 4683          7.0          6.0          8.0
## 4684          8.0          9.0          8.0
## 4685          6.0          9.0          8.0
## 4686          6.0          5.0          8.0
## 4687          7.0          6.0          5.0
## 4688          7.0          7.0          5.0
## 4689         10.0          7.0          9.0
## 4690          7.0          5.0          5.0
## 4691          8.0          5.0          7.0
## 4692          7.0          5.0          5.0
## 4693          7.0          5.0          5.0
## 4694          8.0          6.0          5.0
## 4695          5.0          2.0          2.0
## 4696          9.0          2.0          9.0
## 4697          6.0         10.0          5.0
## 4698          7.0          5.0          5.0
## 4699          6.0          5.0          5.0
## 4700          9.0          5.0          9.0
## 4701          4.0          4.0          4.0
## 4702          8.0          4.0          6.0
## 4703          7.0          7.0          5.0
## 4704          6.0          5.0          6.0
## 4705          7.0          6.0          7.0
## 4706          7.0          7.0          7.0
## 4707          7.0          6.0          6.0
## 4708          7.0          6.0          6.0
## 4709          7.0          5.0          5.0
## 4710          8.0          7.0          5.0
## 4711          7.0          8.0          7.0
## 4712          7.0          6.0          6.0
## 4713          6.0          6.0          5.0
## 4714          7.0          6.0          5.0
## 4715          7.0          7.0          5.0
## 4716          7.0          8.0          7.0
## 4717         10.0          8.0          7.0
## 4718         10.0         10.0          7.0
## 4719         10.0         10.0          7.0
## 4720         10.0          7.0          7.0
## 4721         10.0         10.0          7.0
## 4722         10.0         10.0          7.0
## 4723         10.0          8.0          7.0
## 4724          8.0          8.0          6.0
## 4725          8.0          7.0          6.0
## 4726          8.0          7.0          7.0
## 4728          7.0          6.0          6.0
## 4729          7.0          7.0          6.0
## 4730          7.0          6.0          6.0
## 4731         10.0          6.0          5.0
## 4732          7.0          7.0          6.0
## 4733          8.0          9.0          5.0
## 4734         10.0          6.0         10.0
## 4735          8.0          9.0          6.0
```

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## 4736              9.0         7.0          6.0
## 4737              9.0         2.0          5.0
## 4738              8.0         7.0          7.0
## 4739              7.0         7.0          5.0
## 4740              7.0         8.0          6.0
## 4741              8.0         5.0          7.0
## 4742              6.0         8.0          5.0
## 4743              8.0         7.0          7.0
## 4744              7.0         5.0          7.0
## 4745              8.0        10.0          7.0
## 4746              9.0        10.0          7.0
## 4747              9.0        10.0          7.0
## 4748             10.0         6.0         10.0
## 4749              9.0         9.0          7.0
## 4750              9.0        10.0          9.0
## 4751              9.0         8.0          7.0
## 4752              8.0         8.0          8.0
## 4753              8.0        10.0          7.0
## 4754              8.0         8.0          8.0
## 4755              8.0         8.0          8.0
## 4756              8.0        10.0          8.0
## 4757              8.0         8.0          8.0
## 4758              8.0         8.0          8.0
## 4759              8.0        10.0          8.0
## 4760              8.0         8.0          6.0
## 4761              8.0         8.0          8.0
## 4762              8.0         8.0          8.0
## 4763              8.0         8.0          7.0
## 4764              8.0         8.0          7.0
## 4765              7.0         5.0         10.0
## 4766              7.0         5.0          6.0
## 4767              8.0         7.0          8.0
## 4768              8.0         7.0          8.0
## 4769              8.0         6.0          8.0
## 4770              9.0         6.0          7.0
## 4771              8.0         6.0          7.0
## 4772              8.0         6.0          8.0
## 4773              8.0         4.0          6.0
## 4774              9.0         8.0          9.0
## 4775              6.0         7.0          6.0
## 4776              9.0         6.0          8.0
## 4777              8.0         4.0          7.0
## 4778              8.0         4.0          6.0
## 4779              8.0         6.0          8.0
## 4780              8.0         5.0          6.0
## 4781              5.0         7.0          5.0
## 4782              7.0         6.0          6.0
## 4783              7.0         5.0          6.0
## 4784              7.0         4.0          6.0
## 4785              7.0         5.0          4.0
## 4786              7.0         4.0          7.0
## 4787              7.0         7.0          7.0
## 4788              9.0         7.0          8.0
## 4789              9.0        10.0         10.0
```

```
## 4790            9.0       10.0        8.0
## 4791            9.0        8.0        8.0
## 4792           10.0       10.0        9.0
## 4793            9.0       10.0        9.0
## 4794            8.0        5.0        5.0
## 4795            8.0        6.0        6.0
## 4796            8.0        6.0        6.0
## 4797            7.0        7.0        5.0
## 4798            7.0        7.0        7.0
## 4799            7.0        7.0        6.0
## 4800            7.0        7.0        6.0
## 4801            5.0        5.0        6.0
## 4802            7.0        8.0        7.0
## 4803            7.0        6.0        6.0
## 4804            6.0        5.0        6.0
## 4805            7.0        9.0        6.0
## 4806            3.0        2.0        6.0
## 4807            6.0        6.0        6.0
## 4808            7.0        6.0        6.0
## 4809            6.0        6.0        6.0
## 4810            8.0        8.0        7.0
## 4811            8.0        8.0        6.0
## 4812            7.0        8.0        8.0
## 4813            8.0        7.0        6.0
## 4814            7.0        5.0        5.0
## 4815            8.0        7.0        8.0
## 4816            7.0        7.0        5.0
## 4817            4.0        2.0        2.0
## 4818            8.0        6.0        8.0
## 4819            7.0        7.0        7.0
## 4820            5.0        7.0        7.0
## 4821            6.0        6.0        6.0
## 4822            7.0        6.0        5.0
## 4823            6.0        6.0        6.0
## 4824            5.0        5.0        7.0
## 4825            8.0        8.0        6.0
## 4826            4.0        3.0        3.0
## 4827            8.0        8.0        8.0
## 4828            4.0        3.0        4.0
## 4829            6.0        8.0        6.0
## 4830            8.0        7.0        5.0
## 4831            7.0        8.0        7.0
## 4832            7.0        7.0        6.0
## 4833            7.0        4.0        9.0
## 4834            5.0        1.0        7.0
## 4835            7.0        6.0        9.0
## 4836            7.0        5.0        8.0
## 4837            9.0        7.0        7.0
## 4838            9.0        7.0        7.0
## 4839            7.0        7.0        6.0
## 4840            9.0       10.0        8.0
## 4841            9.0        7.0        7.0
## 4842           10.0        9.0        9.0
## 4843            8.0        7.0        7.0
```

```
## 4844            8.0          6.0             6.0
## 4845            8.0          8.0             8.0
## 4846            7.0          6.0             6.0
## 4847            6.0          5.0             6.0
## 4848            7.0          6.0             6.0
## 4849            6.0          5.0             6.0
## 4850            7.0          7.0             6.0
## 4851            8.0          8.0             8.0
## 4852            8.0          7.0             8.0
## 4853            8.0          8.0             7.0
## 4854            7.0          6.0             7.0
## 4855            8.0          7.0             9.0
## 4856            7.0          5.0             7.0
## 4857            6.0          3.0             6.0
## 4858            6.0          8.0             8.0
## 4859            8.0          8.0             8.0
## 4860            8.0          8.0             8.0
## 4861            8.0          7.0            10.0
## 4862           10.0          8.0            10.0
## 4863           10.0          9.0             8.0
## 4864            8.0          8.0             7.0
## 4866            8.0          8.0             8.0
## 4867            6.0          5.0             6.0
## 4869            8.0          8.0             8.0
## 4870            9.0          8.0             8.0
## 4871            9.0          8.0             7.0
## 4872           10.0          7.0            10.0
## 4873            6.0          6.0             6.0
## 4874            8.0          8.0             8.0
## 4875           10.0          4.0            10.0
## 4876            4.0          6.0             4.0
## 4877            6.0          4.0             6.0
## 4878            7.0          6.0             7.0
## 4879            5.0          6.0             5.0
## 4880            6.0          4.0             4.0
## 4881            8.0          9.0             7.0
## 4882            6.0          6.0             6.0
## 4883            5.0          6.0             7.0
## 4884            9.0          8.0             7.0
## 4885            7.0          7.0             8.0
## 4886            7.0          6.0             6.0
## 4888            5.0          3.0             7.0
## 4889            6.0          5.0             7.0
## 4890           10.0          7.0            10.0
## 4891            6.0          4.0             5.0
## 4892            7.0          5.0             7.0
## 4893            5.0          5.0             5.0
## 4894            7.0          7.0             7.0
## 4895            7.0          6.0             6.0
## 4896            7.0          6.0             7.0
## 4897            8.0          6.0             7.0
## 4898            8.0          7.0             7.0
## 4899            8.0          8.0             9.0
## 4900            8.0          6.0             7.0
```

```
## 4901            5.0         7.0          7.0
## 4902            7.0         7.0          8.0
## 4903            6.0         7.0          7.0
## 4904            7.0         6.0          6.0
## 4905            7.0         6.0          9.0
## 4906            8.0         5.0          7.0
## 4908            8.0         6.0          8.0
## 4910            7.0         8.0          7.0
## 4911            9.0         8.0          9.0
## 4912            8.0         8.0          8.0
## 4913            5.0         5.0          5.0
## 4914            9.0         9.0          7.0
## 4915            6.0         6.0          6.0
## 4916            8.0         8.0          8.0
## 4917            7.0         7.0          7.0
## 4918            7.0         8.0          6.0
## 4919            7.0         9.0          8.0
## 4920            8.0         7.0          9.0
## 4921            8.0         8.0          8.0
## 4923            9.0         9.0          9.0
## 4925            6.0         6.0          6.0
## 4926            9.0         9.0          9.0
## 4927            7.0         7.0          6.0
## 4928            6.0         6.0          8.0
## 4930           10.0         8.0          8.0
## 4931           10.0         6.0         10.0
## 4932            8.0        10.0          9.0
## 4933            9.0         7.0          9.0
## 4934           10.0         6.0          9.0
## 4935            9.0         5.0          8.0
## 4936            9.0         9.0          7.0
## 4937            8.0        10.0          6.0
## 4938           10.0         8.0          8.0
## 4939            8.0         7.0          7.0
## 4940            7.0         7.0          7.0
## 4941            8.0         8.0          8.0
## 4942            9.0         6.0         10.0
## 4943            9.0         9.0          8.0
## 4944            9.0         8.0          8.0
## 4945            8.0         5.0         10.0
## 4946           10.0         6.0         10.0
## 4947            5.0         4.0          4.0
## 4948            8.0         7.0          6.0
## 4949            9.0         7.0          6.0
## 4950            9.0         7.0          7.0
## 4951            7.0         7.0          7.0
## 4952            9.0         5.0          7.0
## 4955            9.0        10.0          9.0
## 4956            8.0         7.0          7.0
## 4957            9.0         9.0          8.0
## 4958            8.0         9.0          7.0
## 4959            8.0         7.0          6.0
## 4960            7.0         5.0          6.0
## 4961            5.0         5.0          5.0
```

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## 4962          7.0          6.0          5.0
## 4963          7.0          5.0          6.0
## 4965         10.0          7.0         10.0
## 4966          7.0          6.0          7.0
## 4967         10.0          8.0          7.0
## 4968          9.0          9.0          8.0
## 4969         10.0          9.0         10.0
## 4970         10.0          8.0          8.0
## 4971          8.0          8.0          8.0
## 4972          8.0          8.0          8.0
## 4973          6.0         10.0          7.0
## 4974         10.0          9.0         10.0
## 4975          9.0          8.0          8.0
## 4976         10.0          8.0          8.0
## 4977          9.0          9.0          9.0
## 4978         10.0          8.0          8.0
## 4979          8.0          8.0          9.0
## 4980         10.0          5.0          9.0
## 4981          8.0          8.0          8.0
## 4982          9.0          8.0          8.0
## 4983          5.0          2.0          8.0
## 4984          9.0          7.0          8.0
## 4985          6.0          3.0          7.0
## 4986          8.0          7.0          8.0
## 4987          8.0          7.0          8.0
## 4988          8.0          8.0          7.0
## 4989          7.0          8.0          5.0
## 4990          6.0          8.0          7.0
## 4992          7.0          6.0          6.0
## 4993          7.0          8.0          7.0
## 4994          8.0          7.0          6.0
## 4995          8.0          7.0          9.0
## 4996          8.0          5.0          7.0
## 4997          5.0         10.0          7.0
## 4998          9.0          2.0         10.0
## 4999          7.0          4.0          5.0
## 5000          6.0          6.0          5.0
## 5001          9.0          4.0          9.0
## 5002          8.0          6.0          6.0
## 5003          8.0          5.0          5.0
## 5004          6.0          6.0          5.0
## 5005          7.0          9.0          7.0
## 5006          9.0          7.0          7.0
## 5007          9.0          6.0          8.0
## 5008          9.0          8.0          6.0
## 5009          4.0          4.0          5.0
## 5010          8.0          8.0          8.0
## 5011          7.0          7.0          5.0
## 5012          7.0          6.0          6.0
## 5013          7.0          7.0          9.0
## 5014          7.0          4.0          8.0
## 5015          6.0          6.0          5.0
## 5016          8.0          7.0          9.0
## 5017          6.0          4.0          6.0
```

```
## 5018                    7.0           8.0           7.0
## 5020                    7.0           7.0           7.0
## 5021                    7.0           7.0           7.0
## 5022                    8.0           8.0           8.0
## 5023                    6.0           6.0           7.0
## 5024                    8.0           8.0           8.0
## 5025                    7.0           7.0           7.0
## 5026                    7.0           7.0           7.0
## 5027                    8.0           7.0           7.0
## 5028                    8.0           7.0           7.0
## 5029                    3.0           2.0           3.0
## 5030                    6.0           7.0           7.0
## 5031                    9.0           9.0           9.0
## 5032                    7.0           7.0           7.0
## 5033                    8.0           8.0           8.0
## 5034                    8.0           7.0           7.0
## 5035                    7.0           5.0           7.0
## 5036                    7.0           7.0           7.0
## 5037                    7.0           6.0           6.0
## 5038                    8.0           7.0           5.0
## 5039                    8.0           7.0           7.0
## 5040                    8.0           8.0           6.0
## 5041                    7.0           7.0           7.0
## 5042                    8.0           9.0           6.0
## 5043                    7.0           7.0           6.0
## 5044                    8.0           9.0           7.0
## 5045                    7.0           9.0           7.0
## 5046                    8.0           8.0           7.0
## 5047                    8.0           7.0           8.0
## 5048                    9.0           7.0           7.0
## 5049                    7.0           7.0           7.0
## 5050                    7.0           6.0           6.0
## 5051                    8.0           8.0           8.0
## 5052                    8.0           8.0           8.0
## 5053                    6.0           5.0           5.0
## 5054                    6.0           5.0           5.0
## 5055                    5.0           4.0           5.0
## 5056                    8.0           5.0           6.0
## 5057                    8.0           7.0           6.0
## 5058                    8.0           8.0           6.0
## 5059                    7.0           6.0           6.0
## 5060                    7.0           5.0           6.0
## 5063                    8.0           7.0           7.0
## 5064                    7.0           7.0           7.0
## 5065                    7.0           7.0           7.0
## 5066                    8.0           8.0           8.0
## 5067                    8.0           7.0           7.0
## 5068                    7.0           6.0           6.0
## 5069                    6.0           5.0           5.0
## 5070                    7.0           6.0           5.0
## 5071                    7.0           4.0           6.0
## 5072                    6.0           4.0           6.0
## 5073                    4.0           6.0           6.0
## 5074                   10.0          10.0           7.0
```

```
## 5075              4.0              3.0              5.0
## 5076              8.0              8.0              7.0
## 5077              8.0              9.0              7.0
## 5078             10.0             10.0              9.0
## 5079              6.0              4.0              4.0
## 5080              9.0              9.0             10.0
## 5081              8.0             10.0              6.0
## 5082              9.0              9.0              9.0
## 5083             10.0             10.0             10.0
## 5084              7.0              7.0              6.0
## 5085             10.0             10.0              9.0
## 5087              6.0              6.0              6.0
## 5088             10.0              3.0             10.0
## 5089             10.0              4.0              4.0
## 5090              8.0             10.0              7.0
## 5091              7.0              9.0              8.0
## 5092              9.0              8.0              8.0
## 5093              7.0              7.0              8.0
## 5094              9.0              9.0              8.0
## 5095              9.0              9.0              9.0
## 5096              7.0              8.0              8.0
## 5097              8.0              6.0              7.0
## 5098              5.0              5.0              5.0
## 5101              8.0              8.0              8.0
## 5102              7.0              8.0              5.0
## 5103              8.0              7.0              8.0
## 5105              7.0              7.0              7.0
## 5106              9.0              9.0              8.0
## 5107              8.0              9.0              8.0
## 5108              6.0              5.0              6.0
## 5109              7.0              5.0              7.0
## 5112              7.0              6.0              6.0
## 5113              7.0              7.0              6.0
## 5115              7.0              6.0              7.0
## 5116              7.0              7.0              7.0
## 5119              7.0              5.0              6.0
## 5122              7.0              4.0              7.0
## 5123              6.0              5.0              7.0
## 5124              7.0              7.0              8.0
## 5127              6.0              0.0              3.0
## 5128              7.0              4.0              5.0
## 5129              7.0              4.0              4.0
## 5130              6.0              7.0              6.0
## 5131              8.0              8.0              8.0
## 5132             10.0              7.0              7.0
## 5133              6.0              6.0              6.0
## 5134              8.0              9.0              7.0
## 5136              8.0              8.0              8.0
## 5137              7.0              6.0              7.0
## 5138              7.0              5.0              5.0
## 5139              7.0              6.0              9.0
## 5140              8.0              6.0              8.0
## 5141              7.0              5.0              5.0
## 5142              9.0              7.0              9.0
```

```
## 5143              7.0              0.0              4.0
## 5144              6.0              2.0              2.0
## 5145              8.0              6.0              8.0
## 5146              7.0              7.0              7.0
## 5147              7.0              7.0              7.0
## 5148              7.0              7.0              7.0
## 5150              8.0              8.0              8.0
## 5151              8.0              7.0              7.0
## 5152              7.0              7.0              7.0
## 5153              7.0              8.0              7.0
## 5154              8.0              7.0              7.0
## 5155              7.0              7.0              7.0
## 5156              7.0              7.0              7.0
## 5157              8.0              7.0              7.0
## 5158              7.0              7.0              7.0
## 5159              8.0              8.0              8.0
## 5160             10.0             10.0             10.0
## 5161              8.0              7.0              7.0
## 5162              7.0              6.0              7.0
## 5163              8.0              6.0              7.0
## 5164              8.0              7.0              7.0
## 5165              5.0              6.0              6.0
## 5166              7.0              4.0              4.0
## 5168              9.0              9.0              7.0
## 5169              7.0              8.0              7.0
## 5171              7.0              6.0              6.0
## 5172              7.0              7.0              5.0
## 5173              7.0              7.0              7.0
## 5174              6.0              6.0              7.0
## 5175              7.0              7.0              7.0
## 5176              5.0              5.0              6.0
## 5177              6.0              6.0              7.0
## 5178              7.0              7.0              5.0
## 5179              7.0              4.0              7.0
## 5180              7.0              7.0              2.0
## 5181              5.0              2.0              6.0
## 5182              6.0              5.0              5.0
## 5183              5.0              5.0              6.0
## 5184              7.0              7.0              8.0
## 5185              7.0              6.0              7.0
## 5186              6.0              7.0              7.0
## 5187              6.0              7.0              7.0
## 5188              7.0              7.0              8.0
## 5189              7.0              7.0              6.0
## 5191              6.0              6.0              6.0
## 5192              6.0              4.0              4.0
## 5194              7.0              5.0              6.0
## 5195              6.0              6.0              5.0
## 5196              7.0              5.0              7.0
## 5197              5.0              5.0              5.0
## 5198              7.0              6.0              6.0
## 5199              9.0              7.0              7.0
## 5201             10.0              8.0              9.0
## 5202             10.0              9.0             10.0
```

```
## 5204                 7.0            4.0             3.0
## 5205                 8.0            8.0             9.0
## 5206                10.0           10.0            10.0
## 5207                10.0            9.0             8.0
## 5208                 9.0            5.0             5.0
## 5209                 6.0            6.0             6.0
## 5210                 4.0            3.0             3.0
## 5211                 9.0           10.0             9.0
## 5212                 6.0            7.0             7.0
## 5213                 9.0            8.0             9.0
## 5214                 9.0            5.0             5.0
## 5215                 9.0            5.0            10.0
## 5216                 9.5            7.0             7.0
## 5217                 9.0            8.0             9.0
## 5218                 8.0            8.0             8.0
## 5219                 7.0            7.0             7.0
## 5220                 7.0            7.0             7.0
## 5221                 8.0            8.0             8.0
## 5222                 8.0            7.0             7.0
## 5224                 7.0            6.0             6.0
## 5225                 8.0            9.0             8.0
## 5226                 8.0            7.0             7.0
## 5227                 8.0            7.0             7.0
## 5228                 7.0            6.0             6.0
## 5229                 8.0            6.0             6.0
## 5230                 8.0            8.0             8.0
## 5231                 8.0            8.0             8.0
## 5233                 7.0            7.0             7.0
## 5234                 8.0            7.0             8.0
## 5235                 8.0            7.0             7.0
## 5236                 8.0            7.0             7.0
## 5237                 7.0            6.0             5.0
## 5238                 8.0            7.0             8.0
## 5239                 7.0            6.0             8.0
## 5240                 7.0            6.0             8.0
## 5241                 7.0            7.0             6.0
## 5242                 4.0            3.0             2.0
## 5243                 9.0            7.0             7.0
## 5244                 7.0            8.0             8.0
## 5245                 8.0            8.0             7.0
## 5246                 6.0            6.0             7.0
## 5247                 7.0            7.0             7.0
## 5248                 6.0            5.0             6.0
## 5249                 8.0            8.0             8.0
## 5250                 8.0            7.0             8.0
## 5252                 7.0            7.0             7.0
## 5253                 7.0            7.0             8.0
## 5254                 8.0            6.0             8.0
## 5255                 6.0            5.0             5.0
## 5256                 8.0            9.0             8.0
## 5257                 7.0            9.0             8.0
## 5258                 8.0            6.0             8.0
## 5259                 8.0           10.0             8.0
## 5260                 9.0            9.0             9.0
```

```
## 5261            6.0        5.0        8.0
## 5262            8.0       10.0        8.0
## 5263            9.0        8.0        9.0
## 5264            9.0        8.0        9.0
## 5265            9.0        9.0        9.0
## 5266            9.0        8.0        8.0
## 5267            7.0        6.0        6.0
## 5268            7.0        9.0        8.0
## 5269            9.0        8.0        9.0
## 5270            9.0        4.0        9.0
## 5271            9.0        9.0        9.0
## 5272            9.0        5.0       10.0
## 5273           10.0        8.0       10.0
## 5274            8.0        6.0        7.0
## 5275            7.0        8.0        6.0
## 5276            6.0        7.0        6.0
## 5277            9.0        8.0        9.0
## 5278            7.0        7.0        7.0
## 5279            6.0        6.0        5.0
## 5280            8.0        4.0        3.0
## 5281            9.0        5.0        7.0
## 5282            6.0        5.0        6.0
## 5283            6.0        7.0        6.0
## 5284            6.0        5.0        5.0
## 5285            7.0        4.0        6.0
## 5286            7.0        5.0        7.0
## 5287            7.0        8.0        7.0
## 5288            6.0        8.0        5.0
## 5289            8.0        8.0        8.0
## 5290            8.0        9.0        7.0
## 5293            7.0        5.0        6.0
## 5294            8.0        8.0        7.0
## 5295            6.0        6.0        6.0
## 5296            6.0        7.0        5.0
## 5297            9.0        8.0        9.0
## 5298            6.0        5.0        5.0
## 5299            7.0        5.0        6.0
## 5300            6.0        6.0        5.0
## 5301            8.0        9.0        8.0
## 5302            7.0        8.0        7.0
## 5303            8.0        6.0        6.0
## 5304            7.0        6.0        5.0
## 5305            6.0        4.0        3.0
## 5306            7.0        9.0        8.0
## 5307            9.0        9.0        9.0
## 5309            8.0        8.0        8.0
## 5310            8.0        8.0        8.0
## 5311            8.0        8.0        6.0
## 5312            8.0        6.0        9.0
## 5313            7.0        7.0        6.0
## 5314            6.0        9.0        8.0
## 5315            6.0        4.0        6.0
## 5316            6.0        5.0        6.0
## 5317            7.0        8.0        6.0
```

```
## 5319                       7.0         6.0              6.0
## 5320                       7.0         7.0              7.0
## 5321                       6.0         7.0              6.0
## 5322                       5.0         4.0              4.0
## 5323                       4.0         3.0              5.0
##      shared_interests_partner like guess_prob_liked met decision
## 1                         5.0  7.0              6.0   0        1
## 2                         6.0  7.0              5.0   1        1
## 3                         7.0  7.0              5.0   1        1
## 4                         8.0  7.0              6.0   0        1
## 5                         6.0  6.0              6.0   0        1
## 6                         4.0  6.0              5.0   0        0
## 7                         7.0  6.0              5.0   0        1
## 8                         6.0  6.0              7.0   0        0
## 9                         8.0  7.0              7.0   0        1
## 10                        8.0  6.0              6.0   0        1
## 11                        3.0  6.0              4.0   0        0
## 12                        6.0  7.0              3.0   0        0
## 13                        4.0  6.0              7.0   0        0
## 14                        7.0  7.0              8.0   0        1
## 15                        8.0  8.0              6.0   1        0
## 16                        2.0  6.0              5.0   0        0
## 17                        9.0  8.0              7.0   0        1
## 18                        5.0  5.0              6.0   0        0
## 19                        5.0  5.0              6.0   0        1
## 20                        8.0  8.0              7.0   0        1
## 21                        9.0  8.0              7.0   1        0
## 22                        7.0  8.0              7.0   0        0
## 23                        7.0  8.0              7.0   0        0
## 24                        7.0  8.0              7.0   0        0
## 25                       10.0  9.0              5.0   0        0
## 26                        9.0  8.0              5.0   0        0
## 27                        9.0  8.0              7.0   0        0
## 28                        7.0  8.0              7.0   0        0
## 29                        9.0  9.0              7.0   0        0
## 30                        7.0  8.0              7.0   0        0
## 31                        7.0  6.0              7.0   0        0
## 32                        8.0  8.0              1.0   1        0
## 33                        7.0  4.0              1.0   0        0
## 34                       10.0  8.0             10.0   1        1
## 35                        9.0  7.0              7.0   0        0
## 36                        2.0  4.0              3.0   0        0
## 37                        5.0  5.0              1.0   0        0
## 38                        7.0  6.0              6.0   0        0
## 39                        8.0  8.0              8.0   0        1
## 40                        8.0 10.0              8.0   0        1
## 41                        2.0  7.0              5.0   0        0
## 42                        5.0  6.0              4.0   1        0
## 43                        5.0  6.0              5.0   1        0
## 44                        9.0  8.0              2.0   1        1
## 45                        8.0  7.0              4.0   0        0
## 46                        8.0  7.0              3.0   0        1
## 47                        6.0  6.0              3.0   0        1
## 48                        5.0  6.0              4.0   0        1
```

```
## 49                    9.0  9.0        4.0    0      1
## 50                    5.0 10.0        3.0    0      1
## 51                    6.0  6.0        6.0    0      1
## 52                    2.0  7.0        6.0    0      1
## 53                    2.0  6.0        2.0    1      0
## 54                    8.0  9.0        4.0    0      1
## 55                    2.0  4.0        3.0    1      0
## 56                    1.0  2.0        2.0    0      0
## 57                    4.0  8.0        7.0    0      1
## 58                    3.0  5.0        5.0    0      0
## 59                    9.0  9.0        6.0    0      1
## 60                    7.0  9.0        8.0    0      1
## 61                    4.0  7.0        4.0    0      0
## 62                    4.0  7.0        3.0    1      0
## 63                    8.0  7.0        8.0    1      0
## 64                    6.0  8.0        6.0    1      1
## 65                    5.0  5.0        6.0    1      0
## 66                    4.0  5.0        5.0    0      0
## 67                    7.0  8.0        7.0    0      1
## 68                    5.0  5.0        7.0    0      0
## 69                    6.0  6.0        6.0    0      1
## 70                    6.0  7.0        5.0    0      1
## 71                    5.0  4.0        5.0    0      1
## 72                    7.0  8.0        7.0    0      1
## 73                    7.0  5.0        5.0    0      1
## 74                    5.0  5.0        6.0    0      1
## 75                    7.0  6.0        5.0    0      1
## 76                    7.0  6.0        5.0    0      1
## 77                    7.0  6.0        6.0    0      1
## 78                    6.0  5.0        4.0    0      1
## 79                    9.0  7.0       10.0    0      1
## 80                    8.0  8.0        7.0    0      1
## 81                    6.0  5.0        5.0    0      1
## 82                   10.0 10.0        5.0    0      1
## 83                    6.0  8.0        5.0    0      1
## 84                    7.0  7.0        5.0    0      1
## 85                    5.0  5.0        5.0    0      1
## 86                    5.0  6.0        5.0    0      1
## 87                    6.0  7.0        5.0    0      1
## 88                    6.0  7.0        5.0    0      1
## 89                    5.0  7.0        6.0    0      1
## 90                    8.0  8.0        5.0    0      1
## 91                    6.0  6.0        3.0    0      0
## 92                    6.0  1.0        1.0    1      0
## 93                    6.0  7.0        6.0    0      1
## 94                    6.0 10.0        1.0    1      0
## 95                    6.0  6.0        1.0    0      0
## 96                    6.0  6.0        1.0    0      0
## 97                    6.0  7.0        1.0    0      1
## 98                    6.0  5.0        5.0    0      0
## 99                    9.0  9.0        9.0    0      1
## 100                   8.0  9.0       10.0    0      1
## 101                   6.0  7.0        4.0    0      0
## 102                   4.0  7.0        2.0    0      0
```

```
## 103                4.0   5.0              2.0   1        0
## 104                5.0   6.0              3.0   0        0
## 105                6.0   6.0              5.0   0        0
## 106                4.0   7.0              4.0   0        0
## 107                7.0   7.0              4.0   0        0
## 108                5.0   7.0              4.0   0        0
## 109                5.0   6.0              4.0   0        0
## 110                5.0   6.0              3.0   0        0
## 111                5.0   8.0              4.0   0        0
## 112                5.0   8.0              4.0   0        0
## 113                5.0   7.0              3.0   0        0
## 114                5.0   6.0              3.0   1        0
## 115                5.0   7.0              4.0   1        0
## 116                6.0   7.0              4.0   0        0
## 117                5.0   8.0              4.0   1        1
## 118                5.0   9.0              4.0   0        1
## 119                5.0   8.0              4.0   0        1
## 120                1.0   1.0              1.0   0        0
## 121               10.0  10.0             10.0   1        1
## 122               10.0  10.0             10.0   0        1
## 123               10.0  10.0             10.0   0        1
## 124               10.0  10.0             10.0   0        1
## 125               10.0  10.0             10.0   1        1
## 126               10.0  10.0             10.0   1        1
## 127               10.0  10.0             10.0   0        1
## 128               10.0  10.0             10.0   0        1
## 129               10.0  10.0             10.0   0        1
## 130               10.0  10.0             10.0   0        1
## 131                8.0   7.0              7.0   0        1
## 132                9.0   9.0              7.0   0        1
## 133                8.0   7.0              7.0   0        1
## 134                9.0   8.0             10.0   1        1
## 135               10.0   7.0              7.0   1        1
## 136                8.0   7.0              7.0   0        1
## 137                9.0   8.0              7.0   1        1
## 138                7.0   8.0              7.0   0        1
## 139                7.0   7.0              7.0   0        1
## 140                8.0   7.0              7.0   1        1
## 141                7.0   8.0              6.0   0        1
## 142                8.0  10.0              1.0   1        1
## 143                6.0   6.0              1.0   0        1
## 144                9.0   9.0              7.0   0        1
## 145                5.0   5.0              7.0   0        0
## 146                6.0   9.0              2.0   1        1
## 147                5.0   8.0              4.0   0        1
## 148                7.0   9.0              7.0   0        1
## 149                7.0   7.0              8.0   0        1
## 150                6.0   6.0              6.0   0        1
## 151                7.0   7.0              6.0   0        1
## 152                7.0   7.0              5.0   0        1
## 153                6.0   6.0              7.0   0        1
## 154                7.0   6.0              6.0   0        1
## 155                7.0   6.0              7.0   0        0
## 156                7.0   6.0              6.0   0        1
```

```
## 157               6.0  7.0        7.0  0        1
## 158               7.0  7.0        6.0  0        1
## 159               7.0  6.0        5.0  0        1
## 160               7.0  6.0        6.0  0        0
## 161               7.0  2.0        1.0  0        0
## 162               3.0  4.0        3.0  0        0
## 163               4.0  2.0        2.0  0        0
## 164               5.0  6.0        4.0  0        1
## 165               3.0  3.0        3.0  0        0
## 166               4.0  3.0        3.0  0        0
## 167               3.0  5.0        4.0  0        0
## 168               4.0  4.0        4.0  0        0
## 169               5.0  8.0        4.0  0        1
## 170               4.0  3.0        6.0  0        0
## 171               6.0  7.0        5.0  0        0
## 172               5.0  7.0        6.0  0        1
## 173               4.0  5.0        1.0  0        0
## 174               5.0  7.0        7.0  0        0
## 175               5.0  6.0        5.0  0        0
## 176               5.0  7.0        6.0  0        0
## 177               5.0  7.0        5.0  0        1
## 178               5.0  7.0        5.0  0        1
## 179               5.0  7.0        5.0  0        0
## 180               5.0  7.0        6.0  0        0
## 181               9.0  6.5        8.0  0        1
## 182               7.0  8.0        8.0  0        1
## 183               7.0  7.0        7.0  0        1
## 184              10.0  8.0        8.0  0        1
## 185               6.0  7.0        7.0  0        1
## 186               6.0  6.0        6.0  0        1
## 187              10.0  9.0        9.0  0        1
## 188              10.0  8.0        8.0  0        1
## 189               6.0  6.0        6.0  0        1
## 190               6.0  7.0        8.0  0        1
## 191               6.0  6.0        6.0  0        0
## 192               7.0  6.0        9.0  0        0
## 193               6.0  5.0        5.0  0        0
## 194               7.0  7.0        7.0  0        0
## 195               5.0  4.0       10.0  0        0
## 196               7.0  6.0        7.0  0        0
## 197               7.0  7.0        7.0  0        0
## 198               8.0  8.0        8.0  0        1
## 199               6.0  6.0        6.0  0        0
## 200               6.0  7.0        7.0  0        0
## 201               7.0  9.0        1.0  1        0
## 202               5.0  7.0        2.0  0        0
## 203               6.0  9.0        3.0  0        1
## 204               3.0  6.0        1.0  0        0
## 205               2.0  6.0        1.0  0        0
## 206               4.0  5.0        2.0  0        0
## 207               5.0  8.0        2.0  0        0
## 208               3.0  5.0        1.0  0        0
## 209               3.0  6.0        1.0  0        0
## 210               8.0  9.0        5.0  0        1
```

```
## 211                6.0  6.0           1.0   0      0
## 212                2.0  2.0           1.0   0      0
## 213                2.0  6.0           1.0   0      0
## 214                2.0  6.0           1.0   0      0
## 215                2.0  6.0           1.0   0      0
## 216                5.0  8.0           3.0   0      0
## 217                5.0  6.0           4.0   0      0
## 218                2.0  3.0           3.0   0      0
## 219                3.0  3.0           2.0   0      0
## 220                3.0  4.0           3.0   0      0
## 221                6.0  6.0           6.0   0      1
## 222                6.0  6.0           6.0   0      1
## 223                7.0  7.0           4.0   0      1
## 224                5.0  5.0           4.0   0      0
## 225                6.0  7.0           4.0   0      1
## 226                4.0  5.0           3.0   0      0
## 227                7.0  6.0           6.0   0      1
## 228                2.0  2.0           1.0   0      0
## 229                4.0  2.0           2.0   0      0
## 230                8.0  8.0           5.0   0      1
## 231                4.0  4.0           2.0   0      0
## 232                7.0  7.0           6.0   0      1
## 233                7.0  8.0           6.0   0      1
## 234                7.0  7.0           6.0   0      0
## 235                6.0  6.5           5.0   0      1
## 236                7.0  7.0           6.0   0      1
## 237                9.0  9.0          10.0   1      1
## 238                5.0  7.0           5.0   0      1
## 239                6.0  7.0           5.0   0      1
## 240                6.0  6.0           5.0   0      0
## 241                5.0  6.0           5.0   0      0
## 242                7.0  8.0           6.0   0      1
## 243                7.0  7.0           5.0   0      1
## 244                4.0  6.0           4.0   0      0
## 245                6.0  6.0           5.0   0      0
## 247                5.0  6.0           4.0   0      0
## 248                5.0  6.0           5.0   0      0
## 249                6.0  6.0           3.0   0      0
## 250                6.0  8.0           4.0   0      0
## 251                6.0  7.0           5.0   0      0
## 252                6.0  7.0           5.0   0      0
## 253                6.0  7.0           7.0   0      0
## 254                6.0  8.0           6.0   0      0
## 255                8.0  8.0           7.0   0      1
## 256                7.0  7.0           7.0   0      0
## 257                6.0  7.0           6.0   0      0
## 258                6.0  6.0           5.0   0      0
## 259                6.0  7.0           7.0   0      0
## 260                6.0  7.0           7.0   0      0
## 261                7.0  7.0           6.0   0      0
## 262                8.0  8.0           7.0   0      1
## 263                8.0  7.0           6.0   0      0
## 264                2.0  6.0           4.0   0      0
## 265                5.0  6.0           4.0   0      0
```

```
## 266                      5.0  7.0          3.0   0        0
## 267                      7.0  7.0          5.0   0        0
## 268                      4.0  4.0          5.0   0        0
## 269                      3.0  5.0          4.0   0        0
## 270                      7.0  7.0          5.0   0        0
## 271                      6.0  8.0          7.0   0        0
## 272                      5.0  8.0          4.0   0        0
## 273                      6.0  7.0          6.0   0        0
## 274                      8.0  9.0          8.0   0        0
## 275                      7.0  8.0          7.0   0        0
## 276                      8.0  6.0          7.0   0        0
## 277                      7.0  5.0          4.0   0        0
## 278                      5.0  7.0          7.0   0        0
## 279                      6.0  6.0          7.0   0        0
## 280                      6.0  7.0          5.0   0        0
## 281                      2.0  2.0          2.0   0        0
## 282                      2.0  2.0          2.0   0        0
## 283                      3.0  3.0          2.0   0        0
## 284                      2.0  2.0          3.0   0        0
## 285                      4.0  5.0          4.0   0        0
## 286                      3.0  2.0          2.0   0        0
## 287                      4.0  6.0          5.0   0        0
## 288                      2.0  2.0          2.0   0        0
## 289                      3.0  4.0          4.0   0        0
## 290                      6.0  5.0          5.0   0        0
## 291                      6.0  8.0          5.0   0        0
## 292                      6.0  6.0          4.0   0        0
## 293                      4.0  5.0          4.0   0        0
## 294                      5.0  6.0          6.0   0        0
## 295                      2.0  3.0          3.0   0        0
## 296                      4.0  6.0          5.0   0        0
## 297                      6.0  3.0          3.0   0        0
## 298                      6.0  2.0          1.0   0        0
## 299                      1.0  2.0          2.0   0        0
## 300                      3.0  2.0          3.0   1        0
## 301                      1.0  1.0          4.0   0        0
## 302                      1.0  1.0          2.0   0        0
## 303                      4.0  6.0          5.0   0        1
## 304                      4.0  3.0          5.0   0        0
## 305                      7.0  3.0          1.0   0        0
## 306                      6.0  2.0          3.0   0        0
## 307                      4.0  4.0          4.0   0        1
## 308                      2.0  2.0          3.0   0        0
## 309                      2.0  1.0          3.0   0        0
## 310                      2.0  3.0          3.0   0        0
## 311                      2.0  1.0          2.0   0        0
## 312                      4.0  4.0          1.0   0        0
## 313                      6.0  5.0          4.0   0        0
## 314                      6.0  4.0          4.0   0        0
## 315                      6.0  6.0          3.0   0        0
## 316                      6.0  5.0          4.0   0        0
## 317                      2.0  6.0          4.0   0        1
## 318                      2.0  6.0          4.0   0        1
## 319                      6.0  7.0          4.0   0        1
```

```
## 320                    6.0  6.0           4.0   0       0
## 321                    6.0  8.0           5.0   0       1
## 322                    4.0  5.0           6.0   0       0
## 323                    6.0  7.0           5.0   0       1
## 324                    6.0  6.0           5.0   0       1
## 325                    5.0  8.0           7.0   0       1
## 326                    6.0  8.0           5.0   0       1
## 327                    5.0  6.0           4.0   0       0
## 328                    3.0  6.0           6.0   0       1
## 329                    5.0  6.0           5.0   0       0
## 330                    5.0  8.0           5.0   0       0
## 331                    7.0  8.0           6.0   0       0
## 332                    6.0  6.0           5.0   0       0
## 333                    3.0  7.0           4.0   0       0
## 334                    5.0  4.0           3.0   0       0
## 335                    5.0  7.0           6.0   0       0
## 336                    6.0  8.0           6.0   0       0
## 337                    7.0  8.0           7.0   0       0
## 338                    7.0  9.0           7.0   1       1
## 339                    7.0  8.0           4.0   0       1
## 340                    3.0  4.0           4.0   0       0
## 341                    5.0  7.0           7.0   0       0
## 342                    7.0  9.0           6.0   0       1
## 343                    6.0  6.0           5.0   0       0
## 344                    8.0  8.0           5.0   0       1
## 345                    4.0  5.0           4.0   0       0
## 346                    2.0  6.0           5.0   0       0
## 347                    4.0  5.0           3.0   0       0
## 348                    5.0  5.0           4.0   0       0
## 349                    5.0  5.0           4.0   0       0
## 350                    4.0  5.0           4.0   0       0
## 351                    5.0  7.0           4.0   0       0
## 352                    2.0  4.0           3.0   0       0
## 353                    8.0  8.0           8.0   0       1
## 354                    5.0  7.0           8.0   0       1
## 355                    8.0  9.0           9.0   1       1
## 356                    5.0  5.0           4.0   0       0
## 357                    5.0  6.0           4.0   1       0
## 358                    6.0  6.5           6.0   0       0
## 359                    5.0  5.0           5.0   0       0
## 360                    8.0  8.5           9.0   1       1
## 361                    6.0  5.0           5.0   0       0
## 362                    7.0  7.0           5.0   0       0
## 363                    6.0  6.0           5.0   0       0
## 364                    5.0  5.0           3.0   0       0
## 365                    6.0  6.0           3.0   0       0
## 366                    6.0  8.0           5.0   0       0
## 367                    7.0  8.0           5.0   0       0
## 368                    8.0  6.0           5.0   0       0
## 369                    4.0  7.0           2.0   0       0
## 370                    6.0  7.0           5.0   0       0
## 371                    4.0  6.0           3.0   0       0
## 372                    5.0  5.0           3.0   0       0
## 373                    4.0  5.0           3.0   0       0
```

```
## 374                    9.0  7.0          5.0    0        0
## 375                    9.0  7.0          5.0    0        0
## 376                    5.0  7.0          3.0    0        0
## 377                    4.0  8.0          5.0    0        1
## 378                    2.0  5.0          2.0    0        0
## 379                    5.0  5.0          3.0    0        0
## 380                    5.0  6.0          3.0    0        1
## 381                    7.0  4.0          2.0    0        0
## 382                    3.0  5.0          2.0    0        0
## 383                    4.0  6.0          2.0    0        0
## 384                    4.0  6.0          2.0    0        0
## 385                    8.0  7.0          3.0    0        1
## 386                    5.0  7.0          2.0    0        0
## 387                    5.0  7.0          3.0    0        1
## 388                    2.0  3.0          1.0    0        0
## 389                    9.0  8.0          4.0    0        1
## 390                    4.0  6.0          3.0    0        0
## 391                    8.0  5.0          2.0    0        0
## 392                    4.0  5.0          2.0    0        0
## 393                    6.0  5.0          6.0    0        0
## 394                    6.0  5.0          7.0    0        0
## 395                    6.0  5.0          5.0    0        0
## 396                    6.0  5.0          4.0    0        0
## 397                    3.0  5.0          4.0    0        0
## 398                    5.0  5.0          3.0    0        0
## 399                    6.0  8.0          8.0    0        1
## 400                    3.0  5.0          4.0    0        0
## 401                    2.0  4.0          4.0    0        0
## 402                    6.0  7.0          7.0    0        1
## 403                    4.0  5.0          5.0    0        0
## 404                    2.0  3.0          3.0    0        0
## 405                    3.0  4.0          3.0    0        0
## 406                    3.0  5.0          4.0    0        0
## 407                    3.0  5.0          4.0    0        0
## 408                    5.0  5.0          3.0    0        0
## 409                    8.0  7.0          7.0    0        1
## 410                    6.0  6.0          7.0    0        0
## 411                    9.0  8.0          6.0    0        0
## 412                    7.0  8.0          8.0    0        0
## 413                    5.0  6.0          6.0    0        0
## 414                    9.0  8.0          8.0    0        1
## 415                   10.0  8.0          8.0    0        1
## 416                    8.0  6.0          8.0    0        0
## 417                    6.0  7.0          7.0    0        1
## 418                   10.0  8.0          8.0    0        1
## 419                    9.0  8.0         10.0    0        1
## 420                    6.0  7.0          5.0    0        1
## 421                    9.0  7.0          8.0    0        0
## 422                    6.0  8.0          7.0    0        1
## 423                    9.0  7.0          8.0    0        0
## 424                    6.0  8.0          8.0    0        0
## 425                    3.0  2.0          5.0    0        0
## 426                    2.0  2.0          5.0    0        0
## 427                    1.0  2.0          3.0    0        0
```

```
## 428                    1.0  1.0        6.0     0        0
## 429                    1.0  1.0        5.0     0        0
## 430                    4.0  3.0        5.0     0        0
## 431                    2.0  3.0        5.0     0        0
## 432                    1.0  1.0        6.0     1        0
## 433                    3.0  2.0        5.0     0        0
## 434                    8.0  8.0        5.0     1        1
## 435                    3.0  5.0        3.0     0        0
## 436                    4.0  5.0        6.0     0        1
## 437                    2.0  3.0        6.0     0        0
## 438                    7.0  7.0        6.0     0        1
## 439                    2.0  4.0        5.0     0        0
## 440                    4.0  5.0        5.0     0        0
## 441                    3.0  3.0        6.0     0        0
## 442                    3.0  3.0        5.0     0        0
## 443                    4.0  4.0        5.0     0        1
## 444                    2.0  3.0        2.0     0        0
## 445                    6.0  7.0        7.0     0        1
## 446                    2.0  4.0        3.0     0        0
## 447                    5.0  6.0        6.0     0        1
## 448                    6.0  5.0        5.0     0        0
## 449                    6.0  7.0        6.0     0        1
## 450                    4.0  3.0        3.0     0        0
## 451                    4.0  5.0        4.0     0        1
## 452                    8.0  6.0        2.0     1        1
## 453                    5.0  5.0        5.0     0        1
## 454                    4.0  6.0        4.0     0        1
## 455                    3.0  3.0        3.0     0        0
## 456                    5.0  4.0        4.0     0        1
## 457                    3.0  5.0        1.0     0        0
## 458                    1.0  1.0        1.0     0        0
## 459                    7.0  8.0        1.0     0        0
## 460                    2.0  5.0        1.0     0        0
## 461                    7.0  5.0        1.0     0        0
## 462                    3.0  4.0        1.0     0        0
## 463                    3.0  6.0        2.0     0        0
## 464                    3.0  8.0        2.0     0        0
## 465                    3.0  8.0        4.0     0        1
## 466                    3.0  7.0        2.0     0        1
## 467                    7.0  7.0        6.0     1        1
## 468                    3.0  7.0        1.0     1        0
## 469                    3.0  6.0        2.0     0        0
## 470                    5.0  2.0        1.0     0        0
## 471                    5.0  5.0        1.0     0        0
## 472                    8.0  9.0        6.0     1        1
## 473                    8.0  7.0        6.0     0        1
## 474                    6.0  5.0        5.0     0        0
## 475                    6.0  6.5        6.0     0        1
## 476                    5.0  8.0        7.0     0        1
## 477                    1.0  2.0        1.0     0        0
## 478                    1.0  5.0        1.0     0        0
## 479                    6.0  5.0        2.0     0        0
## 480                    7.0  7.0        5.0     0        1
## 481                    5.0  7.0        3.0     0        1
```

```
## 482                6.0  6.0            3.0   0        0
## 483                6.0  7.0            5.0   0        1
## 484                6.0  1.0            1.0   1        0
## 485                6.0  6.0            2.0   0        1
## 486                6.0  7.0            5.0   0        1
## 487                6.0  5.0            3.0   0        0
## 488                6.0  7.0            3.0   0        0
## 489                7.0  4.0            1.0   0        0
## 490                4.0  3.0            1.0   0        0
## 491                3.0  1.0            1.0   0        0
## 492                5.0  2.0            3.0   0        0
## 493                4.0  3.0            1.0   0        0
## 494                4.0  3.0            1.0   0        0
## 495                5.0  5.0            2.0   0        0
## 496                3.0  1.0            5.0   0        0
## 497                4.0  2.0            1.0   0        0
## 498                3.0  2.0            1.0   0        0
## 499                4.0  5.0            1.0   0        0
## 500                3.0  6.0            1.0   0        0
## 501                4.0  5.0            2.0   0        0
## 502                3.0  3.0            1.0   0        0
## 503                4.0  3.0            2.0   0        0
## 504                3.0  1.0            1.0   0        0
## 505                7.0  3.0            1.0   0        0
## 506                4.0  3.0            1.0   0        0
## 507                6.0  5.0            5.0   0        0
## 508                6.0  5.0            5.0   0        0
## 509                6.0  5.0            5.0   0        0
## 510                6.0  5.0            5.0   0        0
## 511                6.0  5.0            5.0   0        1
## 512                6.0  5.0            5.0   0        1
## 513                6.0  8.0            5.0   0        1
## 514                6.0  8.0            5.0   0        0
## 515                6.0  7.0            5.0   0        0
## 516                6.0  8.0            5.0   0        0
## 517                6.0  8.0            5.0   0        0
## 518                6.0  8.0            5.0   0        1
## 519                6.0  8.0            5.0   0        1
## 520                6.0  6.0            5.0   0        0
## 521                6.0  6.0            5.0   0        0
## 522                6.0  6.0            5.0   0        0
## 523                6.0  6.0            5.0   0        0
## 524                6.0  6.0            1.0   0        0
## 525                2.0  6.0            7.0   0        0
## 526                1.0  2.0            1.0   0        0
## 527                6.0  8.0            8.0   0        0
## 528                2.0  3.0            1.0   0        0
## 529                6.0  8.0            6.0   0        1
## 530                6.0  7.0            4.0   0        1
## 531                6.0  9.0            6.0   0        1
## 532                6.0  4.0            1.0   0        0
## 533                6.0  6.0            2.0   0        0
## 534                6.0  4.0            3.0   0        0
## 535                4.0  5.0            4.0   0        0
```

```
## 536                    6.0  6.0          2.0   0        0
## 537                    3.0  5.0          6.0   0        0
## 538                    4.0  4.0          1.0   0        0
## 539                    6.0  4.0          3.0   0        0
## 540                    6.0  4.0          2.0   0        0
## 541                    6.0  8.0          5.0   0        0
## 542                    5.0  6.0          2.0   0        0
## 543                    2.0  5.0          2.0   0        0
## 544                    1.0  5.0          2.0   0        0
## 545                    2.0  6.0          4.0   1        1
## 546                    2.0  5.0          5.0   0        0
## 547                    1.0  6.0          1.0   0        1
## 548                    2.0  5.0          4.0   0        1
## 549                    5.0  6.0          2.0   0        1
## 550                    5.0  5.0          2.0   0        0
## 551                    1.0  3.0          2.0   0        0
## 552                    3.0  6.0          2.0   0        1
## 553                    3.0  6.0          1.0   0        0
## 554                    4.0  4.0          3.0   0        0
## 555                    2.0  6.0          2.0   0        0
## 556                    5.0  5.0          1.0   0        1
## 557                    4.0  5.0          4.0   0        1
## 558                    4.0  4.0          1.0   0        0
## 559                    2.0  5.0          2.0   0        0
## 560                    3.0  6.0          4.0   0        0
## 561                    7.0  8.0          8.0   0        1
## 562                    5.0  6.0          5.0   0        1
## 563                    8.0  8.0          8.0   1        1
## 564                    8.0  8.0          6.0   0        1
## 565                    4.0  7.0          6.0   0        1
## 566                    7.0  9.0          7.0   0        1
## 567                    5.0  7.0          6.0   0        1
## 568                    5.0  7.0          5.0   0        1
## 569                    7.0  8.0          7.0   0        1
## 570                    7.0  9.0          7.0   0        1
## 571                    8.0  9.0          8.0   0        1
## 572                    8.0  6.0          6.0   0        1
## 573                    6.0  8.0          8.0   0        1
## 574                    6.0  8.0          7.0   0        1
## 575                    7.0  9.0          8.0   0        1
## 576                    5.0  6.0          5.0   0        1
## 577                    5.0  7.0          6.0   0        1
## 578                    4.0  5.0          5.0   0        1
## 579                    6.0  7.0          7.0   0        1
## 580                    5.0  6.0          5.0   0        1
## 581                    6.0  7.0          7.0   0        1
## 582                    5.0  5.0          6.0   0        1
## 583                    6.0  7.0          7.0   0        1
## 584                    7.0  8.0          7.0   0        1
## 585                    7.0  8.0          7.0   0        1
## 586                    6.0  7.0          7.0   0        1
## 587                    5.0  6.0          6.0   0        1
## 588                    6.0  8.0          7.0   0        1
## 589                    7.0  7.0          7.0   0        1
```

```
## 590                    5.0  6.0           7.0    0         0
## 591                    7.0  7.0           7.0    0         1
## 592                    7.0  7.0           7.0    0         1
## 593                    7.0  7.0           7.0    0         1
## 594                    6.0  7.0           7.0    0         1
## 595                    7.0  7.0           7.0    0         1
## 596                    5.0  5.0           7.0    0         0
## 597                    8.0  8.0           6.0    0         0
## 598                    5.0  5.0           5.0    0         0
## 599                    9.0  8.0           6.0    0         0
## 600                    9.0  8.0           5.0    0         0
## 601                    8.0  9.5           6.0    1         1
## 602                    8.0  9.5           7.0    0         1
## 603                    9.0  9.5           7.0    0         1
## 604                    7.0  7.0           6.0    0         0
## 605                    6.0  7.0           5.0    0         0
## 606                    8.0  8.0           5.0    0         1
## 607                    7.0  8.0           7.0    0         1
## 608                    8.0  7.0           5.0    0         0
## 609                    7.0  8.0           6.0    0         1
## 610                    8.0  8.0           5.0    0         1
## 611                    7.0  6.0           4.0    0         0
## 612                    7.0  7.0           4.0    0         0
## 613                    7.0  8.0           5.0    0         1
## 614                    6.0  8.0           5.0    0         0
## 615                    7.0  5.0           6.0    0         1
## 616                    3.0  4.0           6.0    0         1
## 617                    4.0  6.0           5.0    0         1
## 618                    4.0  6.0           6.0    0         1
## 619                    2.0  6.0           5.0    0         1
## 620                    6.0  6.0           6.0    0         1
## 621                    5.0  7.0           6.0    0         1
## 622                    2.0  6.0           5.0    0         0
## 623                    3.0  6.0           6.0    0         0
## 624                    5.0  6.0           2.0    0         1
## 625                    5.0  6.0           4.0    0         1
## 626                    3.0  6.0           6.0    0         1
## 627                    6.0  6.0           6.0    0         1
## 628                    4.0  6.0           3.0    0         1
## 629                    4.0  5.0           6.0    0         1
## 630                    3.0  4.0           4.0    0         0
## 631                    6.0  6.0           5.0    0         1
## 632                    6.0  5.0           6.0    0         1
## 633                    3.0  4.0           2.0    0         0
## 634                    3.0  5.0           1.0    0         0
## 635                    3.0  3.0           2.0    0         0
## 636                    3.0  5.0           3.0    0         0
## 637                    5.0  8.0           7.0    0         1
## 638                    8.0  9.0           8.0    0         1
## 639                    7.0  7.0           6.0    0         1
## 640                    3.0  5.0           7.0    0         0
## 641                    3.0  4.0           4.0    0         0
## 642                    6.0  8.0           5.0    0         1
## 643                    3.0  4.0           3.0    0         0
```

```
## 644                3.0  5.0          5.0   0      0
## 645                3.0  7.0          3.0   0      1
## 646                4.0  6.0          6.0   0      0
## 647                4.0  6.0          7.0   0      0
## 648                4.0  4.0          3.0   0      0
## 649                6.0  8.0          4.0   0      0
## 650                3.0  4.0          3.0   0      0
## 651                4.0  6.0          6.0   0      0
## 652                6.0  7.0          4.0   0      0
## 653                3.0  6.0          5.0   0      0
## 654                7.0  7.0          4.0   0      1
## 655                5.0  8.0          4.0   0      1
## 656                8.0  8.0          6.0   0      1
## 657                0.0  7.0          5.0   0      1
## 658                5.0  7.0          5.0   0      1
## 659                6.0  7.0          6.0   0      1
## 660                6.0  8.0          4.0   0      1
## 661                6.0  6.0          3.0   0      1
## 662                7.0  8.0          6.0   0      1
## 663                6.0  6.0          9.0   0      1
## 664                5.0  7.0          4.0   0      1
## 665                5.0  8.0          4.0   0      1
## 666                3.0  7.0          4.0   0      0
## 667                4.0  8.0          6.0   0      1
## 668                5.0  7.0          4.0   0      0
## 669                6.0  7.0          7.0   0      0
## 670                6.0  7.0          7.0   0      0
## 671                6.0  7.0          5.0   0      0
## 672                6.0  8.5          7.0   0      1
## 673                6.0  8.0          7.0   0      1
## 674                6.0  8.0          7.0   0      1
## 675                6.0  8.0          7.0   0      1
## 676                6.0  7.0          7.0   0      0
## 677                6.0  6.0          5.0   0      0
## 678                6.0  7.0          8.0   1      1
## 679                6.0  7.0          7.0   0      1
## 680                5.0  7.0          7.0   0      0
## 681                6.0  7.0          7.0   0      1
## 682                6.0  7.0          7.0   0      1
## 683                6.0  7.0          7.0   0      0
## 684                6.0  7.0          7.0   0      0
## 685                6.0  7.0          8.0   1      1
## 687                2.0  5.0          3.0   0      0
## 688                1.0  2.0          1.0   0      0
## 689                1.0  2.0          5.0   0      0
## 690                6.0  6.0          2.0   0      1
## 691                2.0  3.0          3.0   0      0
## 692                2.0  6.0          6.0   0      1
## 693                3.0  6.0          2.0   0      1
## 694                3.0  6.0          5.0   0      0
## 695                4.0  4.0          7.0   0      0
## 696                5.0  6.0          5.0   0      1
## 697                4.0  8.0          1.0   0      0
## 698                4.0  6.0          6.0   0      0
```

```
## 699                    1.0  6.0        4.0    0        0
## 700                    1.0  3.0        2.0    0        0
## 701                    2.0  5.0        4.0    0        1
## 702                    7.0  7.0        8.0    1        0
## 703                    7.0  8.0        6.0    1        0
## 704                    9.0  9.0        8.0    1        0
## 705                    6.0  6.0        3.0    0        0
## 706                    5.0  4.0        2.0    0        0
## 707                    5.0  5.0        2.0    0        0
## 708                    2.0  4.0        2.0    0        0
## 709                    6.0  7.0        3.0    0        1
## 710                    6.0  7.0        3.0    0        1
## 711                    7.0  7.0        3.0    0        1
## 712                    5.0  5.0        4.0    0        0
## 713                    4.0  5.0        4.0    0        0
## 714                    5.0  7.0        2.0    1        1
## 715                    5.0  7.0        3.0    0        1
## 716                    6.0  5.0        3.0    0        0
## 717                    5.0  5.0        3.0    0        0
## 718                    5.0  6.0        4.0    0        1
## 719                    5.0  6.0        3.0    0        1
## 720                    5.0  6.0        4.0    0        1
## 721                    5.0  5.0        3.0    0        0
## 722                    5.0  5.0        2.0    0        0
## 723                    6.0  7.0        7.0    0        0
## 724                    6.0  7.0        5.0    0        0
## 725                    6.0  7.0        6.0    0        1
## 726                    7.0  7.0        7.0    0        0
## 727                    7.0  8.0        8.0    0        1
## 728                    8.0  8.0        8.0    0        1
## 729                    7.0  8.0        8.0    0        1
## 730                    6.0  7.0        7.0    0        0
## 731                    6.0  7.0        5.0    0        0
## 732                    7.0  8.0        8.0    0        1
## 733                    7.0  7.0        7.0    0        1
## 734                    7.0  7.0        8.0    0        0
## 735                    7.0  8.0        7.0    0        1
## 736                    6.0  8.0        6.0    0        1
## 737                    6.0  6.0        7.0    0        0
## 738                    7.0  7.0        7.0    0        0
## 739                    6.0  6.0        6.0    0        0
## 740                    6.0  6.0        6.0    0        0
## 741                    5.0  5.0        5.0    0        0
## 742                    5.0  6.0        4.0    0        0
## 743                    7.0  7.0        5.0    0        1
## 744                    8.0  7.0        5.0    0        1
## 745                    5.0  7.0        5.0    0        1
## 746                    6.0  7.0        4.0    0        1
## 747                    7.0  8.0        5.0    0        1
## 748                    5.0  6.0        6.0    0        0
## 749                    6.0  6.0        5.0    0        0
## 750                    7.0  7.0        6.0    0        1
## 751                    6.0  7.0        5.0    0        1
## 752                    7.0  6.0        5.0    0        0
```

## 753	7.0	7.0	7.0	0	1
## 754	7.0	7.0	6.0	0	1
## 755	6.0	7.0	6.0	0	0
## 756	6.0	7.0	5.0	0	0
## 757	6.0	6.0	3.0	0	0
## 758	5.0	6.0	5.0	0	0
## 759	5.0	6.0	6.0	0	0
## 760	8.0	7.0	7.0	0	0
## 761	7.0	7.0	7.0	0	0
## 762	6.0	8.0	6.0	0	1
## 763	8.0	9.0	6.0	0	1
## 764	8.0	9.0	7.0	0	1
## 765	8.0	10.0	7.0	0	1
## 766	6.0	7.0	8.0	0	0
## 767	10.0	8.0	9.0	0	1
## 768	8.0	10.0	10.0	1	1
## 769	7.0	8.0	7.0	0	0
## 770	7.0	8.0	7.0	0	0
## 771	9.0	10.0	10.0	0	1
## 772	8.0	8.0	5.0	0	1
## 773	7.0	7.0	8.0	0	1
## 774	6.0	7.0	7.0	0	0
## 775	10.0	10.0	10.0	1	1
## 776	9.0	8.0	9.0	0	0
## 777	3.0	2.0	5.0	0	0
## 778	7.0	5.0	6.0	0	0
## 779	2.0	2.0	2.0	0	0
## 780	6.0	6.0	6.0	0	1
## 781	7.0	9.0	9.0	0	1
## 782	7.0	5.0	10.0	0	0
## 783	4.0	3.0	10.0	0	0
## 784	7.0	6.0	8.0	0	1
## 785	2.0	3.0	3.0	0	0
## 786	3.0	3.0	6.0	0	0
## 787	7.0	8.0	7.0	0	0
## 788	1.0	5.0	5.0	0	0
## 789	7.0	8.0	7.0	0	0
## 790	9.0	9.0	7.0	0	0
## 791	10.0	10.0	8.0	0	1
## 792	7.0	8.0	7.0	0	1
## 793	9.0	8.0	7.0	0	1
## 794	9.0	8.0	7.0	0	1
## 795	10.0	9.0	8.0	3	0
## 796	7.0	8.0	8.0	0	0
## 797	6.0	8.0	5.0	0	1
## 798	3.0	4.0	2.0	0	0
## 799	1.0	2.0	1.0	0	0
## 800	4.0	9.0	6.0	0	1
## 801	8.0	6.0	2.0	0	0
## 802	2.0	3.0	1.0	0	0
## 803	3.0	3.0	1.0	0	0
## 804	4.0	8.0	4.0	0	1
## 805	8.0	8.0	8.0	0	1
## 806	5.0	7.0	3.0	0	0

```
## 807                 3.0  5.0           4.0   0        0
## 808                 3.0  5.0           4.0   0        0
## 809                 6.0  5.0           3.0   0        0
## 810                 5.0  8.0           4.0   0        1
## 811                 4.0  5.0           2.0   0        0
## 812                 5.0  6.0           4.0   0        1
## 813                 5.0  6.0           4.0   0        0
## 814                 4.0  4.0           2.0   0        0
## 815                 4.0  7.0           5.0   0        0
## 816                 5.0  7.0           4.0   0        1
## 817                 6.0  6.0           7.0   0        0
## 818                 8.0  8.0           8.0   1        1
## 819                 6.0  6.0           5.0   0        0
## 820                 8.0  8.0           8.0   0        1
## 821                 7.0  7.0           7.0   0        0
## 822                 8.0  8.0           8.0   0        0
## 823                 7.0  7.0           7.0   0        0
## 824                 7.0  7.0           8.0   0        0
## 825                 8.0  7.0           7.0   0        1
## 826                 6.0  6.0           7.0   0        0
## 827                 2.0  6.0           5.0   0        1
## 828                 5.0  7.0           5.0   1        1
## 829                 5.0  6.0           3.0   0        1
## 830                 5.0  6.0           5.0   0        1
## 831                 5.0  8.0           4.0   0        1
## 832                 1.0  1.0           1.0   0        0
## 833                 1.0  1.0           3.0   0        0
## 834                 5.0  3.0           1.0   0        0
## 835                 3.0  5.0           5.0   0        0
## 836                 2.0  3.0           5.0   0        0
## 837                 5.0  7.0           5.0   0        1
## 838                 5.0  6.0           5.0   0        1
## 839                 3.0  4.0           2.0   0        0
## 840                 4.0  7.0           5.0   0        1
## 841                 4.0  5.0           3.0   0        0
## 842                 5.0  6.0           4.0   0        1
## 843                 6.0  6.0           4.0   0        1
## 844                 4.0  5.0           3.0   0        1
## 845                 4.0  5.0           4.0   0        0
## 846                 5.0  6.0           5.0   0        1
## 847                 6.0  6.0           6.0   0        0
## 848                 6.0  6.0           5.0   0        0
## 849                 6.0  6.0           5.0   0        0
## 850                 6.0  6.0           6.0   0        0
## 851                 6.0  6.0           5.0   0        0
## 852                 5.0  5.0           4.0   0        0
## 853                 7.0  6.0           5.0   0        0
## 854                 5.0  6.0           6.0   0        0
## 855                 5.0  6.0           6.0   0        0
## 856                 5.0  5.0           4.0   0        0
## 857                 5.0  6.0           6.0   0        1
## 858                 5.0  5.0           5.0   0        0
## 859                 6.0  6.0           6.0   0        1
## 860                 5.0  4.0           6.0   0        0
```

```
## 861               5.0  8.0          5.0  0       1
## 862               4.0  5.0          6.0  0       0
## 863               4.0  4.0          5.0  0       0
## 864               8.0  8.0          7.0  0       1
## 865               5.0  7.0          5.0  0       1
## 866               1.0  5.0          1.0  0       0
## 867               6.0  6.0          5.0  0       0
## 868               2.0  1.0          5.0  0       0
## 869              10.0 10.0         10.0  1       1
## 870               5.0  5.0          5.0  1       1
## 871               6.0  6.0          5.0  0       0
## 872               7.0  6.0          5.0  0       1
## 873               3.0  5.0          0.0  0       0
## 874               4.0  4.0          0.0  0       0
## 875               4.0  4.0          5.0  0       0
## 876               2.0  5.0          0.0  0       0
## 877               4.0  7.0          3.0  0       1
## 878               3.0  6.0          5.0  0       0
## 879               2.0  4.0          0.0  0       0
## 880               3.0  6.0          5.0  0       0
## 881               6.0  6.0          4.0  0       1
## 882               6.0  4.0          2.0  0       0
## 883               6.0  3.0          3.0  0       0
## 884               3.0  4.0          4.0  0       0
## 885               6.0  7.0          4.0  0       1
## 886               6.0  5.0          3.0  0       0
## 887               1.0  4.0          3.0  0       0
## 888               2.0  5.0          4.0  0       0
## 889               5.0  8.0          3.0  0       1
## 890               4.0  7.0          2.0  0       0
## 891               5.0  7.0          2.0  0       0
## 892               5.0  6.0          2.0  0       0
## 893               7.0  7.0          2.0  0       0
## 894               4.0  7.0          2.0  0       0
## 895               5.0  6.0          2.0  0       0
## 896               8.0  7.0          3.0  0       0
## 897               6.0  8.0          1.0  0       1
## 898               6.0  9.0          3.0  0       1
## 899               1.0  2.0          0.0  0       0
## 900               2.0  8.0          0.0  0       1
## 901               6.0  9.0          0.0  0       0
## 902               6.0  5.0          0.0  0       0
## 903               5.0  6.0          0.0  0       0
## 904               6.0  7.0          1.0  0       1
## 905               5.0  6.0          7.0  0       1
## 906               7.0  6.0          6.0  0       0
## 907               5.0  5.0          6.0  0       0
## 908               5.0  6.0          7.0  0       0
## 909               7.0  7.0          5.0  0       1
## 910               6.0  6.0          6.0  0       0
## 911               6.0  5.0          5.0  0       0
## 912               7.0  7.0          7.0  0       0
## 913               5.0  5.0          5.0  0       0
## 914               5.0  5.0          6.0  0       0
```

```
## 915                      5.0   5.0            7.0    0        0
## 916                      5.0   3.0            3.0    0        0
## 917                      5.0   7.0            6.0    0        1
## 918                      5.0   2.0            7.0    0        0
## 919                      5.0   3.0            1.0    0        0
## 920                      5.0   6.0            5.0    0        0
## 921                      5.0   7.0            1.0    0        0
## 922                      5.0   5.0            2.0    0        0
## 923                      5.0   5.0            1.0    0        0
## 924                      7.0   7.0            6.0    0        0
## 925                      8.0   9.0            6.0    0        1
## 926                      5.0   6.0            3.0    0        0
## 927                      8.0   8.0            7.0    0        1
## 928                      6.0   6.0            3.0    0        0
## 929                      5.0   6.0            5.0    0        1
## 930                      5.0   6.0            5.0    0        1
## 931                      5.0   5.0            5.0    0        1
## 932                      7.0   6.0            6.0    0        1
## 933                      5.0   6.0            5.0    0        1
## 934                      5.0   5.0            5.0    0        0
## 935                      5.0   6.0            7.0    0        1
## 936                      5.0   6.0            7.0    0        1
## 937                      6.0   5.0            5.0    0        1
## 938                      6.0   2.0            2.0    0        0
## 939                      6.0   2.0            2.0    0        0
## 940                      6.0  10.0            7.0    0        1
## 941                      6.0   2.0            2.0    0        0
## 942                      6.0   2.0            2.0    0        1
## 943                      6.0   1.0            1.0    0        0
## 944                      6.0   2.0            2.0    0        0
## 945                      3.0   2.0            2.0    0        0
## 946                      6.0   2.0            2.0    0        0
## 947                      6.0   2.0            2.0    0        0
## 948                      6.0   5.0            5.0    0        1
## 949                      6.0   5.0            5.0    0        1
## 950                      8.0  10.0            5.0    0        1
## 951                      8.0   5.0            5.0    0        1
## 952                      6.0   5.0            5.0    0        1
## 953                      6.0   5.0            5.0    0        1
## 954                      6.0   5.0            5.0    0        1
## 955                      7.0   8.0            4.0    0        1
## 956                      7.0   4.0            6.0    0        0
## 957                      2.0   4.0            1.0    0        0
## 958                      7.0   6.0            4.0    0        1
## 959                      5.0   8.0            5.0    0        1
## 960                      9.0  10.0            5.0    0        1
## 961                      6.0   4.0            7.0    0        0
## 962                      2.0   3.0            6.0    0        0
## 963                      6.0   7.0            6.0    0        1
## 964                      7.0   8.0            5.0    0        1
## 965                      6.0   4.0            3.0    0        0
## 966                      8.0   9.0            5.0    0        1
## 967                      4.0   4.0            5.0    0        0
## 968                     10.0  10.0            7.0    0        1
```

```
## 969                    5.0  8.0          6.0    0        1
## 970                    7.0  7.0          4.0    0        0
## 971                    8.0  8.0          4.0    0        1
## 972                    2.0  3.0          2.0    0        0
## 973                    2.0  5.0          1.0    0        0
## 974                    6.0  5.0          1.0    0        0
## 975                    2.0  7.0          2.0    0        0
## 976                    2.0  4.0          1.0    0        0
## 977                    2.0  7.0          2.0    0        0
## 978                    9.0  8.0          2.0    0        1
## 979                    6.0  5.0          1.0    0        0
## 980                    2.0  5.0          2.0    0        0
## 981                    8.0  8.0          2.0    0        0
## 982                    6.0  7.0          2.0    0        1
## 983                    5.0  7.0          1.0    0        0
## 984                    7.0  7.0          1.0    0        1
## 985                    6.0  9.0          1.0    0        1
## 986                    9.0 10.0          1.0    0        1
## 987                    2.0  5.0          1.0    0        0
## 988                    6.0  9.0          3.0    0        1
## 989                    8.0  2.0          1.0    0        0
## 990                    6.0  8.0          2.0    0        0
## 991                    5.0  5.0          5.0    0        0
## 992                    4.0  5.0          5.0    0        0
## 993                    5.0  7.0          5.0    1        0
## 994                    7.0  7.0          5.0    0        1
## 995                    2.0  2.0          2.0    0        0
## 996                    7.0  7.0          5.0    0        0
## 997                    4.0  5.0          5.0    0        0
## 998                    5.0  5.0          5.0    0        0
## 999                    2.0  2.0          2.0    0        0
## 1000                   5.0  5.0          5.0    0        0
## 1001                   7.0  7.0          6.0    5        1
## 1002                   6.0  6.0          5.0    0        1
## 1003                   5.0  5.0          5.0    0        0
## 1004                   6.0  6.0          5.0    0        1
## 1005                   6.0  7.0          5.0    1        1
## 1006                   5.0  5.0          5.0    0        0
## 1007                   4.0  4.0          4.0    0        0
## 1008                   6.0  7.0          5.0    0        0
## 1009                   7.0  5.0          5.0    0        0
## 1010                   8.0  8.0          8.0    0        0
## 1011                   7.0  7.0          8.0    0        0
## 1012                   8.0  8.0          7.0    0        1
## 1013                   5.0  6.0          6.0    0        0
## 1014                   7.0  7.0          2.0    0        1
## 1015                   7.0  7.0          7.0    0        0
## 1016                   6.0  7.0          8.0    0        0
## 1017                   9.0  9.0          8.0    1        1
## 1018                   8.0  7.0          7.0    0        1
## 1019                   7.0  7.0          7.0    1        1
## 1020                   8.0  9.0          8.0    0        1
## 1021                   6.0  7.0          6.0    0        0
## 1022                   8.0  7.0          9.0    0        0
```

```
## 1023                8.0   8.0          8.0    0       1
## 1024                8.0   8.0          8.0    0       1
## 1025                8.0   8.0          7.0    0       0
## 1026                8.0   8.0          8.0    0       0
## 1027                6.0   8.0          8.0    0       0
## 1028                6.0   6.0          8.0    0       0
## 1029                4.0   5.0          6.0    0       0
## 1030                6.0   6.0          5.0    0       0
## 1031                3.0   5.0          2.0    0       0
## 1032                8.0   9.0          7.0    0       1
## 1033                5.0   7.0          8.0    0       0
## 1034                2.0   4.0          3.0    0       0
## 1035                1.0   2.0          5.0    0       0
## 1036                6.0   7.0          8.0    0       0
## 1037                7.0   8.0          8.0    0       1
## 1038                7.0   7.0          7.0    0       0
## 1039                3.0   7.0          2.0    0       0
## 1040                4.0   8.0         10.0    0       0
## 1041                7.0   8.0          9.0    0       1
## 1042                7.0   7.0          7.0    0       0
## 1043                6.0   6.0          2.0    0       0
## 1044                5.0   6.0          8.0    0       0
## 1045                8.0   8.0          8.0    0       1
## 1046                4.0   6.0          7.0    0       0
## 1047                7.0   8.0          8.0    0       0
## 1048                8.0   7.0          7.0    0       0
## 1049                6.0   9.0          7.0    0       0
## 1050               10.0   9.0          8.0    0       1
## 1051                8.0   9.0          8.0    0       1
## 1052                7.0   9.0          8.0    0       0
## 1053                6.0   7.0          8.0    0       0
## 1054                7.0   7.0          7.0    0       0
## 1055                7.0   8.0          7.0    0       0
## 1056                8.0   9.0          8.0    0       1
## 1057                7.0   8.0          8.0    0       0
## 1058                9.0  10.0          8.0    0       1
## 1059               10.0   8.0          8.0    0       1
## 1060                8.0   9.0          8.0    0       1
## 1061                6.0   8.0          7.0    0       0
## 1062                7.0   8.0          8.0    0       0
## 1063                8.0   5.0          3.0    0       0
## 1064                8.0   6.0          4.0    0       0
## 1065                6.0   5.0          2.0    0       0
## 1066                6.0   5.0          4.0    0       0
## 1067                4.0   5.0          2.0    0       0
## 1068                7.0   7.0          4.0    0       1
## 1069                3.0   4.0          2.0    0       0
## 1070                6.0   7.0          3.0    0       0
## 1071                4.0   6.0          3.0    0       0
## 1072                8.0   7.0          4.0    0       0
## 1073                6.0   3.0          3.0    0       0
## 1074                8.0   4.0          3.0    0       0
## 1075                8.0   4.0          3.0    0       0
## 1076                8.0   4.0          3.0    0       1
```

```
## 1077            5.0  5.0        4.0    0        0
## 1078            8.0  6.0        3.0    0        0
## 1079            6.0  4.0        2.0    0        0
## 1080            8.0  4.0        3.0    0        0
## 1081            3.0  0.0        3.0    0        0
## 1082            4.0  6.0        6.0    0        0
## 1083            5.0  6.0        4.0    0        0
## 1084            3.0  4.0        3.0    0        0
## 1085            2.0  4.0        6.0    0        0
## 1086            7.0  7.0        5.0    0        1
## 1087            5.0  3.0        4.0    0        0
## 1088            5.0  4.0        5.0    0        0
## 1089            3.0  4.0        3.0    0        0
## 1090            5.0  4.0        6.0    0        0
## 1091            2.0  4.0        0.0    0        0
## 1092            5.0  7.0        5.0    0        1
## 1093            5.0  5.0        4.0    0        0
## 1094            6.0  7.0        7.0    0        0
## 1095            6.0  7.0        7.0    0        1
## 1096            5.0  6.0        0.0    0        0
## 1097            4.0  1.0        0.0    0        0
## 1098            4.0  4.0        4.0    0        0
## 1099            1.0  1.0        3.0    0        0
## 1100            2.0  4.0        5.0    0        0
## 1101            2.0  3.0        3.0    0        0
## 1102            4.0  7.0        7.0    0        1
## 1103            1.0  3.0        4.0    0        0
## 1104            5.0  7.0        6.0    0        1
## 1105            3.0  7.0        6.0    0        0
## 1106            3.0  3.0        4.0    0        0
## 1107            3.0  5.0        5.0    0        0
## 1108            3.0  6.0        6.0    0        0
## 1109            5.0  7.0        5.0    0        1
## 1110            2.0  6.0        4.0    0        0
## 1111            2.0  6.0        5.0    0        0
## 1112            5.0  6.0        6.0    0        1
## 1113            1.0  5.0        5.0    0        0
## 1114            2.0  6.0        6.0    0        0
## 1115            3.0  5.0        5.0    0        0
## 1116            1.0  3.0        6.0    0        0
## 1117            6.0  7.0        5.0    0        0
## 1118            6.0  6.0        6.0    0        0
## 1119            6.0  5.0        5.0    0        0
## 1120            6.0  7.0        5.0    0        1
## 1121            5.0  6.0        5.0    0        0
## 1122            5.0  6.0        5.0    0        1
## 1123            5.0  6.0        5.0    0        1
## 1124            4.0  6.0        6.0    0        0
## 1125            4.0  6.0        4.0    0        0
## 1126            3.0  5.0        4.0    0        0
## 1127            7.0  8.0        5.0    0        1
## 1128            6.0  7.0        6.0    0        1
## 1129            6.0  7.0        7.0    0        1
## 1130            8.0  5.0        2.0    0        1
```

```
## 1131          5.0   9.0          4.0    0        1
## 1132          7.0   7.0          5.0    0        1
## 1133          8.0   8.0          6.0    0        1
## 1134          6.0   5.0          5.0    0        0
## 1135          1.0   1.0          4.0    0        0
## 1136          1.0   1.0          5.0    0        0
## 1137          4.0   1.0          7.0    0        0
## 1138          3.0   3.0          6.0    0        0
## 1139          7.0   7.0          4.0    0        0
## 1140          7.0   6.0          8.0    0        1
## 1141          5.0   4.0          9.0    0        0
## 1142          1.0   1.0          7.0    0        0
## 1143          2.0   1.0          7.0    0        0
## 1144          1.0   2.0          6.0    0        0
## 1145          2.0   2.0          5.0    0        0
## 1146          4.0   2.0          5.0    0        0
## 1147          3.0   1.0          6.0    0        0
## 1148          8.0   8.0          8.0    0        1
## 1149          5.0   5.0          9.0    0        0
## 1150          4.0   4.0          5.0    0        0
## 1151          2.0   5.0          7.0    0        0
## 1152          3.0   2.0          7.0    0        0
## 1153          4.0   2.0          2.0    0        0
## 1154          5.0   4.0          8.0    0        0
## 1155          3.0   3.0          5.0    0        0
## 1156          7.0   6.0          5.0    0        0
## 1157         10.0   6.0          8.0    0        0
## 1158          8.0  10.0          8.0    0        1
## 1159          9.0   7.0          8.0    0        0
## 1160          2.0   3.0          4.0    0        0
## 1161          1.0   2.0          4.0    0        0
## 1162          3.0   4.0          7.0    0        0
## 1163          3.0   6.0          7.0    0        0
## 1164          8.0   8.0          6.0    0        0
## 1165          3.0   7.0          2.0    0        0
## 1166          6.0   7.0          8.0    0        0
## 1167          8.0   7.0          8.0    0        0
## 1168         10.0   9.0          9.0    0        0
## 1169          8.0   7.0          8.0    0        0
## 1170          7.0   9.0          7.0    0        0
## 1171          6.0   6.0          5.0    0        0
## 1172          6.0   6.0          5.0    0        0
## 1173          6.0   8.0          5.0    0        0
## 1174          5.0   2.0          5.0    0        0
## 1175          5.0   5.0          5.0    0        0
## 1176          9.0   9.0         10.0    0        1
## 1177          9.0  10.0         10.0    0        1
## 1178          6.0   5.0          5.0    0        0
## 1179          5.0   5.0          5.0    0        0
## 1180          5.0   8.0          5.0    0        0
## 1181          7.0   9.0          5.0    0        1
## 1182          5.0   5.0          5.0    0        0
## 1183          5.0   9.0          5.0    0        0
## 1184          6.0   8.0          5.0    0        0
```

## 1185	7.0	8.0	5.0	0	0
## 1186	6.0	8.0	5.0	0	0
## 1187	6.0	8.0	5.0	0	0
## 1188	6.0	8.0	5.0	0	0
## 1189	0.0	2.0	0.0	0	0
## 1190	4.0	8.0	3.0	0	1
## 1191	7.0	6.0	0.0	0	0
## 1192	5.0	7.0	3.0	0	1
## 1193	3.0	5.0	0.0	0	0
## 1194	4.0	7.0	4.0	0	1
## 1195	4.0	6.0	1.0	0	1
## 1196	4.0	4.0	1.0	0	0
## 1197	5.0	5.0	4.0	0	0
## 1198	4.0	4.0	0.0	0	0
## 1199	7.0	8.0	0.0	1	1
## 1200	6.0	5.0	4.0	0	0
## 1201	5.0	6.0	3.0	0	1
## 1202	6.0	6.0	0.0	0	1
## 1203	5.0	7.0	2.0	0	1
## 1204	7.0	7.0	2.0	0	1
## 1205	7.0	5.0	0.0	0	0
## 1206	8.0	5.0	4.0	0	0
## 1207	6.0	5.0	3.0	0	0
## 1208	6.0	4.0	5.0	0	0
## 1209	5.0	5.0	2.0	0	0
## 1210	6.0	6.0	2.0	0	1
## 1211	3.0	6.0	2.0	0	0
## 1212	6.0	8.0	6.0	1	1
## 1213	6.0	6.0	2.0	0	0
## 1214	4.0	4.0	2.0	0	0
## 1215	3.0	5.0	2.0	0	0
## 1216	6.0	7.0	3.0	0	1
## 1217	6.0	7.0	2.0	0	1
## 1218	10.0	6.0	8.0	0	1
## 1219	6.0	8.0	5.0	0	1
## 1220	6.0	8.0	5.0	0	1
## 1221	7.0	3.0	2.0	0	0
## 1222	6.0	7.0	3.0	0	1
## 1223	6.0	7.0	3.0	0	1
## 1224	6.0	7.0	2.0	0	0
## 1225	5.0	3.0	3.0	0	0
## 1226	3.0	4.0	5.0	0	0
## 1227	5.0	6.0	7.0	0	0
## 1228	10.0	9.0	8.0	0	1
## 1229	6.0	7.0	7.0	0	1
## 1230	9.0	9.0	9.0	0	1
## 1231	5.0	6.0	6.0	0	0
## 1232	8.0	7.0	9.0	0	0
## 1233	6.0	7.0	5.0	0	0
## 1234	5.0	5.0	3.0	0	0
## 1235	7.0	6.0	5.0	0	0
## 1236	8.0	7.0	6.0	0	1
## 1237	7.0	7.0	6.0	0	0
## 1238	9.0	8.0	8.0	0	1

```
## 1239                9.0  8.0              9.0   0        1
## 1240                7.0  7.0              8.0   0        1
## 1241                5.0  7.0              8.0   0        1
## 1242                5.0  6.0              5.0   0        0
## 1243                6.0  7.0              5.0   0        0
## 1244                7.0  8.0              6.0   0        1
## 1245                6.0  6.0              4.0   0        0
## 1246                6.0  8.0              6.0   0        1
## 1247                5.0  6.0              4.0   0        0
## 1248                6.0  7.0              5.0   0        1
## 1249                7.0  7.5              6.0   0        1
## 1250                6.0  6.5              6.0   0        0
## 1251                6.0  6.5              6.0   0        0
## 1252                7.0  7.0              6.0   0        1
## 1253                8.0  8.0              6.0   0        1
## 1254                6.0  7.0              6.0   0        0
## 1255                7.0  7.0              6.0   0        0
## 1256                6.0  7.0              6.0   0        0
## 1257                6.0  7.0              4.0   0        0
## 1258                6.0  7.0              6.0   0        0
## 1259                6.0  7.0              6.0   0        0
## 1260                7.0  7.0              7.0   0        1
## 1261                6.0  7.0              7.0   0        1
## 1262                5.0  7.0              7.0   0        1
## 1263                3.0  5.0              3.0   0        0
## 1264                9.0  8.0              6.0   0        0
## 1265                5.0  5.0              5.0   0        0
## 1266                6.0  8.0              6.0   0        1
## 1267                6.0  8.0              7.0   0        1
## 1268                5.0  6.0              5.0   0        1
## 1269                5.0  5.0              5.0   0        0
## 1270                5.0  5.0              5.0   0        0
## 1271                6.0  6.0              7.0   0        1
## 1272                5.0  6.0              7.0   0        0
## 1273                5.0  5.0              5.0   0        0
## 1274                5.0  5.0              5.0   1        0
## 1275                3.0  3.0              3.0   0        0
## 1276                5.0  7.0              5.0   0        1
## 1277                7.0  6.0              5.0   0        0
## 1278                7.0  7.0              5.0   0        1
## 1279                6.0  5.0              4.0   0        0
## 1280                5.0  4.0              4.0   0        0
## 1281                6.0  4.0              3.0   0        0
## 1282                5.0  5.0              3.0   0        0
## 1283                4.0  5.0              3.0   0        0
## 1284                7.0  6.0              5.0   0        1
## 1285                4.0  4.0              6.0   0        0
## 1286                5.0  6.0              5.0   0        1
## 1287                4.0  5.0              4.0   0        0
## 1288                6.0  5.0              3.0   0        0
## 1289                9.0  9.0              8.0   0        1
## 1290                6.0  6.0              4.0   0        0
## 1291                6.0  7.0              6.0   0        1
## 1292                3.0  2.0              1.0   0        0
```

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```
## 1293                       4.0   3.0          2.0    0          0
## 1294                       7.0   7.0          6.0    0          1
## 1295                       5.0   6.0          4.0    0          1
## 1296                       6.0   6.0          5.0    0          1
## 1297                       6.0   7.0          7.0    0          1
## 1298                       6.0   7.0          5.0    0          0
## 1299                       6.0   6.0          6.0    0          0
## 1300                       8.0   9.0          8.0    1          1
## 1301                       6.0   6.0          7.0    0          0
## 1302                       6.0   8.0          6.0    0          1
## 1303                       6.0   8.0          8.0    0          1
## 1304                       6.0   7.0          6.0    0          0
## 1305                       8.0   8.0          7.0    0          1
## 1306                       6.0   8.0          6.0    0          1
## 1307                       8.0   9.0          7.0    0          1
## 1308                       6.0   7.0          5.0    0          0
## 1309                       6.0   7.0          5.0    0          0
## 1310                       6.0   7.0          7.0    0          1
## 1311                       6.0   6.0          7.0    0          0
## 1312                       7.0   8.0          7.0    0          1
## 1313                       5.0   6.0          6.0    0          0
## 1314                       6.0   7.0          7.0    0          1
## 1315                       7.0   4.0          7.0    0          0
## 1316                       6.0   6.0          4.0    0          1
## 1317                       5.0   6.0          5.0    0          0
## 1318                       7.0   6.0          6.0    0          0
## 1319                       6.0   4.0          5.0    0          0
## 1320                       7.0   6.0          7.0    0          0
## 1321                       7.0   5.0          6.0    0          0
## 1322                       4.0   6.0          5.0    0          1
## 1323                       6.0   7.0          5.0    0          1
## 1324                       4.0   5.0          7.0    0          0
## 1325                       7.0   7.0          7.0    0          1
## 1326                       5.0   7.0          4.0    0          1
## 1327                       6.0   5.0          5.0    0          0
## 1328                       5.0   7.0          5.0    0          1
## 1329                       5.0   4.0          5.0    0          0
## 1330                       6.0   8.0          5.0    0          1
## 1331                       9.0   6.0          5.0    0          1
## 1332                       8.0   7.0          7.0    0          1
## 1333                       6.0  10.0          2.0    0          1
## 1334                       6.0  10.0          2.0    0          1
## 1335                       6.0  10.0          3.0    0          1
## 1336                       6.0  10.0          3.0    0          1
## 1337                       6.0   8.0          3.0    0          1
## 1338                       6.0  10.0          2.0    0          1
## 1339                       6.0  10.0          4.0    0          1
## 1340                       6.0  10.0          3.0    0          1
## 1341                       6.0  10.0          4.0    0          1
## 1342                       6.0  10.0          4.0    0          1
## 1343                      10.0  10.0          4.0    0          1
## 1344                      10.0  10.0          3.0    0          1
## 1345                      10.0  10.0          4.0    0          1
## 1346                       6.0   9.0          2.0    0          1
```

```
## 1347                6.0 10.0            3.0    0       1
## 1348                6.0 10.0            3.0    0       1
## 1349                6.0 10.0            3.0    0       1
## 1350                6.0 10.0            3.0    0       1
## 1351                3.0  6.0            9.0    0       0
## 1352                9.0  8.0            9.0    0       1
## 1353                4.0  5.0            5.0    0       0
## 1354                9.0  8.0            9.0    0       1
## 1355                5.0  6.0            6.0    0       0
## 1356                8.0  9.0            9.0    0       1
## 1357                2.0  8.0            8.0    0       1
## 1358                9.0  9.0            9.0    0       1
## 1359                7.0  7.0            7.0    0       0
## 1360                9.0  6.0            6.0    0       0
## 1361                5.0  6.0            8.0    0       0
## 1362                4.0  8.0            9.0    0       1
## 1363                8.0  6.0            9.0    0       0
## 1364                6.0  9.0            9.0    1       1
## 1365                0.0  5.0            6.0    0       0
## 1366                8.0  9.0            9.0    1       1
## 1367                7.0  8.0            9.0    0       1
## 1368                7.0  8.0            9.0    0       0
## 1369                4.0  5.0            5.0    0       0
## 1370                4.0  5.0            4.0    0       0
## 1371                8.0  7.0            6.0    0       1
## 1372                4.0  6.0            4.0    0       0
## 1373                4.0  6.0            2.0    0       0
## 1374                8.0  8.0            3.0    0       1
## 1375                7.0  7.0            5.0    0       0
## 1376                6.0  6.0            8.0    0       0
## 1377                5.0  6.0            6.0    0       0
## 1378                9.0  8.0            8.0    0       0
## 1379                8.0  8.0            3.0    0       1
## 1380                4.0  6.0            9.0    0       1
## 1381                8.0  8.0            5.0    0       0
## 1382                7.0  8.0            9.0    1       0
## 1383                2.0  4.0            1.0    0       0
## 1384                8.0  9.0            5.0    0       1
## 1385                6.0  6.0            3.0    0       0
## 1386                7.0  8.0            6.0    0       1
## 1387                6.0  7.0            4.0    0       1
## 1388                6.0  6.0            3.0    0       0
## 1389                6.0  6.0            2.0    0       0
## 1390                6.0  7.0            6.0    0       1
## 1391                6.0  7.0            6.0    0       1
## 1392                6.0  7.0            5.0    0       1
## 1393                8.0  9.0            6.0    0       1
## 1394                6.0  8.0            6.0    0       1
## 1395                6.0  8.0            5.0    0       1
## 1396                7.0  7.0            6.0    0       1
## 1397                6.0  9.0            6.0    0       1
## 1398                6.0  6.0            3.0    0       0
## 1399                6.0  7.0            4.0    0       0
## 1400                2.0  6.0            2.0    0       0
```

```
## 1401          6.0  6.0          5.0    0        1
## 1402          6.0  8.0          6.0    0        1
## 1403          6.0  8.0          5.0    0        1
## 1404          7.0  9.0          6.0    0        1
## 1405          9.0  8.0          8.0    0        1
## 1406          6.0  5.0          6.0    0        0
## 1407          5.0  5.0          5.0    0        0
## 1408          3.0  4.0          4.0    0        0
## 1409         10.0 10.0          5.0    1        1
## 1410          9.0  9.0          5.0    0        1
## 1411          5.0  7.0          7.0    0        1
## 1412          6.0  9.0          8.0    0        1
## 1413          4.0  7.0          8.0    0        1
## 1414          3.0  4.0          6.0    0        0
## 1415          5.0  7.0          7.0    0        1
## 1416          3.0  7.0          4.0    0        1
## 1417          5.0  5.0          6.0    0        0
## 1418          2.0  3.0          5.0    0        0
## 1419          2.0  4.0          5.0    0        0
## 1420          7.0  8.0          7.0    0        1
## 1421          7.0  7.0          7.0    0        1
## 1422          5.0  6.0          6.0    0        1
## 1423          7.0  7.0          5.0    0        0
## 1424          5.0  6.0          4.0    0        0
## 1425          6.0  6.0          4.0    0        0
## 1426          6.0  6.0          5.0    0        0
## 1427          6.0  6.0          5.0    0        0
## 1428          8.0  8.0          7.0    0        1
## 1429          3.0  5.0          4.0    0        0
## 1430          8.0  7.0          6.0    0        1
## 1431          7.0  7.0          5.0    0        0
## 1432          7.0  7.0          5.0    0        0
## 1433          6.0  7.0          5.0    0        0
## 1434          8.0  8.0          7.0    0        1
## 1435          6.0  7.0          5.0    0        0
## 1436          5.0  7.0          6.0    0        1
## 1437          5.0  5.0          3.0    0        0
## 1438          8.0  8.0          6.0    0        1
## 1439          6.0  6.0          3.0    0        0
## 1440          6.0  7.0          5.0    0        0
## 1441          5.0  6.0          5.0    0        0
## 1442          7.0  7.0          4.0    0        0
## 1443          4.0  5.0          2.0    0        0
## 1444          4.0  8.0          6.0    0        1
## 1445          4.0  8.0          5.0    1        0
## 1446          6.0  8.0          4.0    0        1
## 1447          5.0  7.0          7.0    0        1
## 1448          5.0  7.0          5.0    0        1
## 1449          5.0  6.0          4.0    0        0
## 1450          5.0  6.0          2.0    0        0
## 1451          6.0  7.0          7.0    0        1
## 1452          5.0  6.0          4.0    0        0
## 1453          5.0  6.0          3.0    0        0
## 1454          6.0  7.0          7.0    0        1
```

```
## 1455         10.0 10.0          1.0    1          0
## 1456          6.0  7.0          5.0    0          0
## 1457          6.0  7.0          5.0    0          1
## 1458          6.0  7.0          5.0    0          1
## 1459          7.0  7.0          4.0    0          1
## 1460          7.0  7.0          3.0    0          1
## 1461          6.0  5.0          2.0    0          0
## 1462          6.0  5.0          2.0    0          0
## 1463          7.0  5.0          1.0    0          1
## 1464          5.0  7.0          1.0    0          1
## 1465          6.0  7.0          4.0    0          1
## 1466          8.0  6.0          3.0    0          1
## 1467          9.0  6.0          4.0    0          1
## 1468          7.0  6.0          4.0    0          1
## 1469          6.0  7.0          5.0    0          1
## 1470          5.0  7.0          1.0    0          1
## 1471          7.0  7.0          5.0    0          1
## 1472          5.0  7.0          5.0    0          1
## 1473          5.0  6.0          3.0    0          0
## 1474          7.0  8.0         10.0    1          1
## 1475          6.0  7.0          3.0    0          1
## 1476          5.0  7.0          4.0    0          1
## 1477          6.0  3.0          2.0    0          0
## 1478          6.0  8.0          5.0    0          1
## 1479          6.0  8.0          2.0    0          1
## 1480          8.0  9.0          2.0    0          1
## 1481          4.0  5.0          3.0    0          0
## 1482          9.0  3.0          7.0    0          0
## 1483          6.0  6.0          6.0    0          0
## 1484         10.0 10.0          7.0    0          1
## 1485          8.0 10.0          6.0    0          1
## 1486          6.0  4.0          5.0    0          0
## 1487          1.0  7.0          6.0    0          0
## 1488          6.0  5.0          2.0    0          0
## 1489          5.0  7.0          3.0    0          1
## 1490          6.0  8.0          5.0    0          1
## 1491          4.0  7.0          7.0    0          0
## 1492         10.0 10.0          6.0    0          1
## 1493          6.0  2.0          1.0    0          0
## 1494          8.0 10.0          6.0    0          1
## 1495          9.0  9.0          9.0    0          1
## 1496          7.0  6.5          7.0    0          1
## 1497          5.0  5.5          5.0    0          1
## 1498          5.0  6.0          5.0    0          1
## 1499          2.0  5.0          6.5    0          0
## 1500          8.0  9.0          7.0    0          1
## 1501          7.5  8.5          6.5    0          1
## 1502          6.5  8.0          9.0    0          1
## 1503          4.0  5.0          3.0    0          0
## 1504          8.0  7.0          6.0    0          1
## 1505          8.0  8.0          8.0    0          1
## 1506          8.5  8.0          8.0    0          1
## 1507          9.0  8.0          8.0    1          1
## 1508          4.0  7.0          6.0    0          0
```

```
## 1509                    2.0  4.0        4.0    0       0
## 1510                    7.0  9.0        9.0    0       1
## 1511                    8.0  8.0        6.0    0       1
## 1512                    9.0  8.0        6.5    0       1
## 1513                    8.0  6.0        5.0    0       0
## 1514                    3.0  5.0        2.0    0       0
## 1515                    3.0  5.0        3.0    0       0
## 1516                    7.0  7.0        5.0    1       1
## 1517                    2.0  6.0        6.0    0       0
## 1518                    6.0  7.0        5.0    0       1
## 1519                    4.0  6.0        4.0    0       0
## 1520                    4.0  6.0        5.0    0       0
## 1521                    5.0  7.0        5.0    0       1
## 1522                    3.0  5.0        3.0    0       0
## 1523                    5.0  8.0        2.0    0       1
## 1524                    3.0  5.0        4.0    0       0
## 1525                    4.0  7.0        6.0    0       1
## 1526                    4.0  5.0        3.0    0       0
## 1527                    3.0  5.0        4.0    0       0
## 1528                    4.0  7.0        5.0    0       1
## 1529                    2.0  6.0        4.0    0       0
## 1530                    4.0  7.0        4.0    0       1
## 1531                    7.0  8.0        5.0    0       1
## 1532                    4.0  7.0        5.0    0       1
## 1533                    3.0  7.0        5.0    0       1
## 1534                    5.0  7.0        5.0    0       1
## 1535                    5.0  7.0        5.0    0       1
## 1536                    5.0  8.0        5.0    0       1
## 1537                    5.0  8.0        5.0    0       1
## 1538                    5.0  8.0        5.0    0       1
## 1539                    7.0  8.0        5.0    0       1
## 1540                    4.0  7.0        5.0    0       1
## 1541                    8.0  7.0        5.0    0       1
## 1542                    8.0  6.0        6.0    0       1
## 1543                    7.0  5.0        5.0    0       0
## 1544                    3.0  5.0        5.0    0       0
## 1545                    3.0  5.0        5.0    0       1
## 1546                    5.0  7.0        5.0    0       1
## 1547                    3.0  8.0        5.0    0       1
## 1548                    3.0  8.0        5.0    0       1
## 1549                    3.0  7.0        6.0    0       1
## 1550                    8.0  5.0        3.0    0       0
## 1551                    6.0  4.0        2.0    0       0
## 1552                    6.0  5.0        2.0    0       0
## 1553                    6.0  5.0        2.0    0       0
## 1554                    5.0  4.0        2.0    0       0
## 1555                    7.0  5.0        5.0    0       0
## 1556                    6.0  5.0        3.0    0       0
## 1557                    6.0  5.0        2.0    0       0
## 1558                    6.0  6.0        4.0    0       1
## 1559                    8.0  8.0        6.0    0       1
## 1560                    6.0  7.0        4.0    0       1
## 1561                    6.0  6.0        5.0    0       0
## 1562                    6.0  6.0        6.0    0       0
```

```
## 1563                  6.0  5.0              6.0    0         0
## 1564                  6.0  6.0              4.0    0         1
## 1565                  5.0  7.0              6.0    0         1
## 1566                  8.0  5.0              6.0    0         0
## 1567                  4.0  5.0              5.0    0         0
## 1568                  5.0  5.0              5.0    0         0
## 1569                  3.0  3.0              3.0    0         0
## 1570                  7.0  5.0              4.0    0         0
## 1571                  5.0  4.0              4.0    0         0
## 1572                  3.0  4.0              2.0    0         0
## 1573                  3.0  5.0              4.0    0         0
## 1574                  8.0  6.0              4.0    0         0
## 1575                  3.0  5.0              5.0    0         0
## 1576                  6.0  6.0              3.0    0         0
## 1577                  3.0  4.0              3.0    0         0
## 1578                  4.0  5.0              5.0    0         0
## 1579                  4.0  4.0              3.0    0         0
## 1580                  7.0  7.0              3.0    0         0
## 1581                  7.0  6.0              5.0    0         0
## 1582                  6.0  7.0              5.0    0         0
## 1583                  4.0  4.0              4.0    0         0
## 1584                  5.0  4.0              4.0    0         0
## 1585                  8.0  8.0              8.0    0         1
## 1586                  3.0  4.0              5.0    0         0
## 1587                  1.0  1.0              2.0    0         0
## 1588                  8.0  8.0              5.0    0         1
## 1589                  7.0  8.0              5.0    0         1
## 1590                  8.0  8.0              8.0    1         1
## 1591                  9.0  9.0              9.0    0         1
## 1592                  1.0  2.0              5.0    0         0
## 1593                  5.0  8.0              1.0    1         1
## 1594                  2.0  4.0              6.0    0         0
## 1595                  1.0  1.0              4.0    0         0
## 1596                  7.0  9.0              2.0    1         1
## 1597                  6.0  7.0              7.0    0         1
## 1598                  8.0  9.0              7.0    0         1
## 1599                  4.0  6.0              8.0    0         1
## 1600                  2.0  3.0              5.0    0         0
## 1601                  4.0  6.0              6.0    0         1
## 1602                  4.0  7.0              7.0    0         1
## 1603                  3.0  2.0              2.0    0         0
## 1604                  3.0  5.0              4.0    1         0
## 1605                  7.0  6.0              5.0    0         0
## 1606                  2.0  2.0              1.0    0         0
## 1607                  5.0  8.0              8.0    0         1
## 1608                  3.0  5.0              6.0    0         0
## 1609                 10.0 10.0              1.0    1         0
## 1610                  5.0  5.0              8.0    0         0
## 1611                  2.0  2.0              6.0    1         0
## 1612                 10.0 10.0             10.0    1         1
## 1613                  6.0  8.0              8.0    0         0
## 1614                  8.0  7.0              7.0    1         1
## 1615                  7.0  8.0              8.0    0         1
## 1617                 10.0 10.0             10.0    1         1
```

```
## 1618                     6.0   8.0              7.0    0        1
## 1619                     0.0   3.0              5.0    0        0
## 1620                     8.0  10.0             10.0    1        1
## 1621                     4.0   7.0              6.0    1        0
## 1622                     6.0   7.0              6.0    0        1
## 1623                     3.0   6.0              3.0    0        0
## 1624                     0.0   5.0              6.0    0        0
## 1625                    10.0   8.0              1.0    1        1
## 1626                     4.0   7.0              2.0    0        0
## 1627                     3.0   2.0              1.0    0        0
## 1628                    10.0  10.0              9.0    1        1
## 1629                     6.0   7.0              4.0    1        0
## 1630                     5.0   7.0              2.0    0        0
## 1631                     6.0   8.0              1.0    0        0
## 1633                     6.0   5.0              7.0    0        0
## 1634                     4.0   5.0              7.0    1        1
## 1635                     6.0   4.0              7.0    0        0
## 1636                     6.0   7.0              8.0    0        1
## 1637                     6.0   4.0              7.0    0        0
## 1638                     7.0   8.0              9.0    0        1
## 1639                     6.0   5.0              7.0    0        1
## 1640                     1.0   3.0              7.0    0        0
## 1641                     5.0   6.0              8.0    0        1
## 1642                     2.0   4.0              6.0    0        0
## 1643                     0.0   1.0              8.0    0        0
## 1644                     5.0   5.0              7.0    0        1
## 1645                     6.0   7.0              8.0    0        0
## 1646                     1.0   2.0              7.0    0        0
## 1647                     2.0   6.0              5.0    0        1
## 1648                     2.0   5.0              5.0    0        0
## 1649                     8.0   9.0              1.0    0        1
## 1650                     9.0   9.0              1.0    0        1
## 1651                     1.0   5.0             10.0    0        0
## 1652                     4.0   8.0              1.0    0        1
## 1653                     9.0   9.0              1.0    0        1
## 1654                     1.0   1.0              1.0    0        0
## 1655                     4.0   9.0              1.0    0        1
## 1656                     1.0   9.0              1.0    0        1
## 1657                     9.0   9.0              7.0    0        1
## 1658                    10.0  10.0              1.0    1        0
## 1659                     7.0   8.0              4.0    0        0
## 1660                    10.0  10.0              1.0    1        0
## 1661                    10.0  10.0             10.0    1        1
## 1662                    10.0  10.0              1.0    1        0
## 1663                     7.0   8.0              6.0    0        1
## 1664                     7.0   8.0              9.0    0        1
## 1665                     6.0   7.0              7.0    0        0
## 1666                     5.0   8.0              2.0    0        1
## 1667                     5.0   4.0              2.0    0        0
## 1668                     5.0   4.0              1.0    0        0
## 1669                     4.0   4.0              2.0    0        0
## 1670                     6.0   4.0              2.0    0        0
## 1671                     6.0   6.0              2.0    0        0
## 1672                     7.0   5.0              2.0    0        0
```

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```
## 1673            4.0  5.0          8.0   1       0
## 1674            4.0  3.0          1.0   0       0
## 1675            5.0  6.0          6.0   0       1
## 1676            8.0  8.0          8.0   0       1
## 1677            7.0  7.0          2.0   1       1
## 1678            6.0  6.0          6.0   1       1
## 1679            4.0  7.0          7.0   0       1
## 1680            5.0  7.0          8.0   0       1
## 1681            2.0  7.0          7.0   0       1
## 1682            7.0  8.0          8.0   0       0
## 1683            7.0  7.0          7.0   0       1
## 1684            7.0  8.0          8.0   0       1
## 1685            6.0  7.0          5.0   1       1
## 1686            5.0  5.0          7.0   1       0
## 1687           10.0 10.0         10.0   1       1
## 1688           10.0 10.0          9.0   1       1
## 1689           10.0 10.0          9.0   1       1
## 1690            7.0  7.0          8.0   0       1
## 1691            7.0  7.0          7.0   0       1
## 1692            2.0  3.0          5.0   0       0
## 1693            6.0  6.0          7.0   0       1
## 1694            6.0  7.0          8.0   0       1
## 1695            7.0  6.0          6.0   0       0
## 1696            5.0  5.0          5.0   0       0
## 1697            7.0  7.0          3.0   1       0
## 1698            8.0  7.0          3.0   0       0
## 1699            7.0  7.0          7.0   0       1
## 1700            8.0  7.0          7.0   0       1
## 1701            5.0  5.0          7.0   0       0
## 1702           10.0 10.0         10.0   1       1
## 1703            5.0  5.0          8.0   0       0
## 1704            2.0  3.0          5.0   0       0
## 1705            8.0  7.0         10.0   1       1
## 1706            5.0  7.0          8.0   0       1
## 1707            6.0  7.0         10.0   0       1
## 1708            3.0  8.0          7.0   0       1
## 1709            6.0  7.0         10.0   0       1
## 1710            0.0  4.0          7.0   0       0
## 1711            7.0  9.0          8.0   0       1
## 1712            8.0  7.0          8.0   0       1
## 1713            7.0  7.0          8.0   0       1
## 1714            7.0  8.0          9.0   0       1
## 1715            6.0  6.0          7.0   0       1
## 1716            7.0  8.0          8.0   0       1
## 1717            8.0  8.0          7.0   0       1
## 1718            7.0  8.0          8.0   0       1
## 1719            7.0  5.0          8.0   0       0
## 1720            5.0  5.0          1.0   0       0
## 1721            5.0  5.0          1.0   0       0
## 1722            5.0  5.0          1.0   0       0
## 1724            5.0  5.0          1.0   0       0
## 1726            6.0  6.0          1.0   0       0
## 1727            2.0  5.0          1.0   0       0
## 1728            2.0  2.0          5.0   0       0
```

```
## 1729              9.0  8.0          7.0   1        0
## 1730              8.0  8.0          5.0   0        0
## 1731              5.0  5.0          5.0   0        0
## 1732              8.0  9.0          7.0   1        1
## 1733              7.0  7.0          7.0   1        0
## 1734              8.0  7.0          7.0   0        0
## 1735              6.0  6.0          5.0   0        0
## 1736              7.0  7.0          7.0   0        0
## 1737              7.0  7.0          6.0   0        0
## 1738              6.0  5.0          5.0   0        0
## 1739              8.0  9.0          6.0   0        1
## 1740              8.0  7.0          5.0   0        1
## 1741              5.0  6.0          6.0   0        0
## 1742              7.0  8.0          9.0   0        1
## 1743              4.0  5.0          2.0   0        0
## 1744              5.0  6.0          6.0   0        0
## 1745              2.0  7.0          6.0   0        1
## 1746              6.0  6.0          5.0   0        1
## 1747              6.0  8.0          7.0   0        1
## 1748              6.0  6.0          5.0   0        1
## 1749              7.0  7.0          6.0   1        1
## 1750              5.0  7.0          6.0   0        0
## 1751              7.0  9.0          6.0   0        1
## 1752              6.0  7.0          6.0   0        1
## 1753              4.0  8.0          6.0   0        1
## 1754              1.0  1.0          1.0   0        0
## 1755              1.0  1.0          8.0   0        0
## 1756              1.0  1.0          8.0   0        0
## 1757              6.0  8.0          6.0   0        1
## 1758              6.0  6.0          7.0   0        1
## 1759              6.0  7.0          6.0   0        1
## 1760              6.0  6.0          7.0   0        0
## 1761              7.0  7.0          7.0   1        1
## 1762              6.0  6.0          6.0   0        0
## 1763              6.0  6.5          7.0   0        0
## 1764              7.0  7.0          7.0   0        1
## 1765              8.0  7.0          7.0   1        1
## 1766              5.0  8.0          8.0   0        1
## 1767              5.0  7.0          7.0   0        1
## 1768              5.0  8.0          8.0   0        1
## 1769              4.0  4.0          9.0   0        0
## 1770              5.0  9.0          9.0   0        1
## 1771              6.0  8.0          7.0   0        1
## 1772              7.0  9.0          8.0   0        1
## 1773              5.0  8.0          6.0   1        1
## 1774              7.0  8.0         10.0   1        1
## 1775              6.0  7.0          6.0   0        1
## 1776              7.0  7.0          2.0   0        0
## 1777              5.0  5.0          5.0   0        0
## 1778              8.0  8.0          8.0   0        1
## 1779             10.0 10.0         10.0   0        1
## 1780             10.0 10.0          9.0   0        1
## 1781              7.0  9.0         10.0   0        0
## 1782              2.0  7.0         10.0   0        1
```

```
## 1783                   8.0  8.0          8.0   0        1
## 1784                   9.0  8.0          7.0   0        1
## 1785                   6.0  5.0          5.0   0        0
## 1786                   5.0  5.0          5.0   0        0
## 1787                   4.0  5.0          5.0   0        0
## 1788                   6.0  8.0          5.0   0        1
## 1789                   6.0  7.0          4.0   0        0
## 1790                   8.0  8.0          6.0   1        1
## 1791                   6.0  8.0          5.0   0        1
## 1792                   6.0  9.0          6.0   0        1
## 1793                   6.0  8.0          5.0   0        1
## 1794                   6.0  5.0          5.0   0        0
## 1795                   6.0  7.0          5.0   0        1
## 1796                   8.0  8.0          5.0   0        1
## 1797                   8.0  4.0          5.0   0        0
## 1798                   8.0  9.0          8.0   0        1
## 1799                   6.0  9.0          8.0   0        1
## 1800                   6.0  7.0          5.0   0        0
## 1801                   4.0  4.0          7.0   0        0
## 1802                   4.0  4.0          8.0   0        0
## 1803                   7.0  7.0          7.0   0        0
## 1804                   9.0  9.0          5.0   1        1
## 1805                   7.0  9.0          5.0   1        1
## 1806                   7.0  7.0          8.0   0        0
## 1807                   7.0  8.0          0.0   0        0
## 1808                   5.0  6.0          8.0   0        0
## 1809                   6.0  7.0          8.0   0        0
## 1810                   7.0  6.0          6.0   0        0
## 1811                   5.0  5.0          8.0   1        0
## 1812                   7.0  7.0          6.0   1        1
## 1813                   5.0  5.0          7.0   1        0
## 1814                   6.0  6.0          8.0   0        0
## 1815                   7.0  7.0          9.0   0        0
## 1816                   6.0  6.0          8.0   0        0
## 1817                   8.0  8.0          5.0   0        0
## 1818                   8.0  8.0          5.0   0        0
## 1819                   5.0  7.0          5.0   0        0
## 1820                   7.0  9.0          1.0   1        1
## 1821                   8.0  8.0          1.0   1        0
## 1822                   7.0  9.0          5.0   0        1
## 1823                   9.0  9.0          5.0   0        1
## 1824                   4.0  2.0          5.0   0        0
## 1825                   4.0  3.0          1.0   0        0
## 1826                   4.0  8.0          1.0   0        0
## 1827                  10.0  8.0          1.0   0        0
## 1828                   5.0  7.0          1.0   1        0
## 1829                  10.0  9.0          5.0   0        0
## 1830                   5.0  8.0          5.0   0        0
## 1831                   7.0  9.0          5.0   0        1
## 1832                  10.0 10.0          6.0   0        1
## 1833                   6.0  4.0          3.0   0        0
## 1834                   6.0  7.0          5.0   0        0
## 1835                   6.0  7.0          8.0   0        0
## 1836                   6.0  6.0          3.0   0        0
```

```
## 1837          6.0   5.0          2.0   0      0
## 1838          6.0   6.0          3.0   0      0
## 1839          8.0  10.0         10.0   1      1
## 1840          7.0   6.0          3.0   0      0
## 1841          6.0   6.0          5.0   0      0
## 1842          6.0   6.0          3.0   0      0
## 1843          6.0   6.0          3.0   0      0
## 1844          6.0   7.0          4.0   0      0
## 1845          6.0   6.0          3.0   0      0
## 1846          6.0   7.0          6.0   0      0
## 1847          6.0   6.0          4.0   0      0
## 1848          6.0   5.0          3.0   0      0
## 1849          5.0   5.0          4.0   0      0
## 1850          4.0   5.0          4.0   0      0
## 1851          7.0   8.0         10.0   1      1
## 1852          5.0   6.0          6.0   0      1
## 1853          4.0   5.0          5.0   0      0
## 1854          8.0   8.0          6.0   0      1
## 1855          5.0   5.0          5.0   0      0
## 1856          5.0   6.0          6.0   0      1
## 1857          7.0   7.0          9.0   1      1
## 1858          5.0   6.0          5.0   0      0
## 1859          3.0   4.0          6.0   0      0
## 1860          5.0   7.0          6.0   0      1
## 1861          4.0   5.0          5.0   0      0
## 1862          3.0   5.0          5.0   0      0
## 1863          8.0  10.0         10.0   1      1
## 1864          5.0   6.0          6.0   0      0
## 1865          1.0   1.0          1.0   0      0
## 1866          1.0   2.0          1.0   0      0
## 1867          6.0   5.0          1.0   1      0
## 1868          1.0   4.0          1.0   0      0
## 1869          7.0   8.0          5.0   0      0
## 1870          7.0   8.0          5.0   0      1
## 1871          2.0   4.0          2.0   0      0
## 1872          2.0   1.0          1.0   0      0
## 1873          2.0   7.0          2.0   1      0
## 1874          2.0   6.0          1.0   0      0
## 1875          2.0   5.0          1.0   0      0
## 1876          2.0   6.0          3.0   0      1
## 1877          1.0   4.0          1.0   0      0
## 1878          5.0   9.0          3.0   0      0
## 1879          7.0   9.0          5.0   1      0
## 1880          2.0   7.0          2.0   0      0
## 1881          6.0   5.0          6.0   0      0
## 1882          7.0   4.0          8.0   0      0
## 1883          6.0   8.0          6.0   0      1
## 1884          8.0   7.0          3.0   0      0
## 1885          6.0   6.0          8.0   0      0
## 1886          4.0   5.0          7.0   0      0
## 1887          3.0   3.0          8.0   0      0
## 1888          6.0   6.0          5.0   0      0
## 1889          8.0   7.0          7.0   0      1
## 1890          8.0   5.0          7.0   0      0
```

```
## 1891              6.0  4.0        7.0   0      0
## 1892              8.0  7.0        7.0   0      1
## 1893              6.0  4.0        8.0   0      0
## 1894              6.0  7.0        6.0   0      1
## 1895              6.0  7.0        5.0   0      1
## 1896              6.0  6.0        5.0   0      1
## 1897              6.0  5.0        4.0   0      0
## 1898              6.0  7.0        5.0   0      0
## 1899              2.0  7.0        1.0   0      0
## 1900              7.0  7.0        2.0   0      0
## 1901              5.0  7.0        4.0   0      0
## 1902              6.0  7.0        4.0   0      0
## 1903              7.0  7.0        5.0   0      0
## 1904              6.0  7.0        4.0   0      1
## 1905              6.0  5.0        4.0   0      0
## 1906              8.0  7.0        5.0   0      1
## 1907              6.0  8.0        6.0   0      0
## 1908              7.0  9.0        5.0   0      1
## 1909              3.0  8.0        5.0   0      0
## 1910              6.0  7.0        4.0   0      0
## 1911              6.0  7.0        4.0   0      0
## 1912              6.0  8.0        5.0   0      0
## 1913              1.0  2.0        3.0   0      0
## 1914              5.0  6.0        4.0   0      0
## 1915              6.0  6.0        7.0   0      0
## 1916              7.0  9.0        8.0   0      0
## 1917              9.0  8.0        8.0   0      1
## 1918              7.0  7.5        6.0   0      0
## 1919              8.0  7.0        7.0   0      0
## 1920              5.0  4.0        4.0   0      0
## 1921              6.0  5.0        6.0   0      0
## 1922              7.0  3.0        3.0   0      0
## 1923              4.0  4.0        5.0   0      0
## 1924              6.0  7.0        7.0   0      0
## 1925              2.0  4.0        6.0   0      0
## 1926              6.0  5.0        6.0   0      0
## 1927              8.0  7.0        7.0   0      0
## 1928             10.0  9.0        9.0   0      1
## 1929              6.0  6.0        6.0   0      0
## 1930              6.0  5.0        6.0   0      0
## 1931              4.0  6.0        5.0   0      0
## 1932              9.0  8.0        7.0   0      1
## 1933              8.0  7.0        5.0   0      0
## 1934              8.0  6.0        5.0   0      0
## 1935              9.0  7.0        7.0   0      1
## 1936              9.0  9.0        6.0   0      1
## 1937              7.0  5.0        4.0   0      0
## 1938              7.0  6.0        8.0   0      1
## 1939              5.0  6.0        7.0   0      0
## 1940              6.0  8.0        7.0   0      1
## 1941              6.0  6.0        5.0   0      0
## 1942              8.0  7.0        5.0   0      0
## 1943              6.0  7.0        8.0   0      0
## 1944              7.0  7.0        7.0   0      0
```

```
## 1945                       6.0  5.0           5.0   0         0
## 1946                       5.0  5.0           5.0   0         1
## 1947                       6.0  5.0           5.0   0         0
## 1948                       6.0  5.0           5.0   0         1
## 1949                       6.0  5.0           5.0   0         1
## 1950                       7.0  8.0           7.0   0         1
## 1951                       6.0  7.0           6.0   0         1
## 1952                       6.0  5.0           5.0   0         0
## 1953                       6.0  4.0           4.0   0         0
## 1954                       5.0  5.0           5.0   0         1
## 1955                       6.0  6.0           7.0   0         1
## 1956                       6.0  7.0           6.0   0         1
## 1957                       4.0  4.0           4.0   0         0
## 1958                       6.0  5.0           5.0   0         1
## 1959                       6.0  6.0           5.0   0         1
## 1960                       6.0  5.0           5.0   0         0
## 1961                       7.0  5.0           5.0   0         0
## 1962                       5.0  7.0           5.0   0         0
## 1963                       9.0  8.0           5.0   1         0
## 1964                       6.0  8.0           5.0   0         1
## 1965                       2.0  5.0           3.0   0         0
## 1966                       6.0  8.0           3.0   0         1
## 1967                       5.0  7.0           5.0   0         0
## 1968                       4.0  5.0           3.0   0         0
## 1969                       7.0  8.0           5.0   1         1
## 1970                       8.0  8.0           3.0   0         0
## 1971                       5.0  5.0           5.0   0         0
## 1972                       9.0  8.0           6.0   0         1
## 1973                       6.0  6.0           5.0   0         0
## 1974                       8.0  8.0           5.0   0         1
## 1975                       8.0  8.0           3.0   1         1
## 1976                       7.0  8.0           5.0   0         1
## 1977                       2.0  2.0           5.0   0         0
## 1978                       2.0  1.0           3.0   0         0
## 1979                       6.0  6.0           5.0   0         0
## 1980                       5.0  7.0           5.0   0         1
## 1981                       3.0  3.0           3.0   0         0
## 1982                       7.0  6.0           6.0   0         0
## 1983                       8.0  8.0           8.0   0         0
## 1984                       5.0  5.0           5.0   0         0
## 1985                       5.0  5.0           5.0   0         0
## 1986                       3.0  4.0           4.0   0         0
## 1987                       3.0  4.0           4.0   0         0
## 1988                       6.0  8.0           5.0   0         1
## 1989                       6.0  8.0           5.0   0         0
## 1990                       5.0  5.0           7.0   0         0
## 1991                       7.0  6.0           6.0   0         0
## 1992                       6.0  5.0           7.0   0         0
## 1993                       3.0  3.0           3.0   0         0
## 1994                       3.0  3.0           3.0   0         0
## 1995                      10.0  8.0          10.0   1         1
## 1996                       5.0  8.0           7.0   0         1
## 1997                      10.0  4.0           1.0   0         0
## 1998                       8.0  7.0           6.0   0         1
```

```
## 1999                  6.0  6.0           6.0    0        0
## 2000                  6.0  5.0           5.0    0        0
## 2001                  6.0  7.0           6.0    0        0
## 2002                  4.0  6.0           5.0    0        0
## 2003                  5.0  7.0           7.0    0        0
## 2004                 10.0  9.0           9.0    0        1
## 2005                  8.0  3.0           2.0    0        0
## 2006                  2.0  2.0           2.0    0        0
## 2007                  7.0  8.0           8.0    0        1
## 2008                  7.0  8.0           7.0    0        1
## 2009                  1.0  1.0           3.0    0        0
## 2010                  4.0  3.0           5.0    0        0
## 2011                  8.0  7.0           8.0    1        0
## 2012                  7.0  6.0           6.0    0        1
## 2013                  2.0  1.0           4.0    0        0
## 2014                  4.0  3.0           5.0    0        0
## 2015                  6.0  6.0           6.0    0        0
## 2016                  4.0  4.0           5.0    0        0
## 2017                  6.0  7.0           7.0    0        0
## 2018                  4.0  3.0           5.0    0        0
## 2019                  7.0  2.0           6.0    0        0
## 2020                  8.0  7.0           6.0    0        1
## 2021                  3.0  3.0           4.0    0        0
## 2022                  5.0  6.0           6.0    0        0
## 2023                  7.0  6.0           7.0    0        0
## 2024                  6.0  3.0           7.0    0        0
## 2025                  5.0  9.0           5.0    0        1
## 2026                  7.0  7.0           5.0    0        1
## 2027                  8.0  9.0           7.0    0        1
## 2028                  8.0  9.0           6.0    0        1
## 2029                  8.0  9.0           5.0    0        1
## 2030                  6.0  8.0           4.0    0        1
## 2031                  7.0  8.0           5.0    0        1
## 2032                  6.0  8.0           5.0    0        1
## 2033                  7.0  9.0           5.0    0        1
## 2034                  6.0  9.0           4.0    0        1
## 2035                  6.0  8.0           4.0    0        1
## 2036                  6.0  7.0           5.0    0        1
## 2037                  6.0  8.0           4.0    0        1
## 2038                  7.0  9.0           6.0    0        1
## 2039                  6.0  8.0           5.0    0        1
## 2040                  5.0  7.0           4.0    0        1
## 2041                  4.0  7.0           5.0    0        1
## 2042                  4.0  5.0           5.0    0        0
## 2043                  9.0  9.0           7.0    0        1
## 2044                  9.0  8.0           6.0    0        1
## 2045                  6.0  5.0           3.0    0        0
## 2046                  3.0  5.0           4.0    0        0
## 2047                  6.0  6.0           4.0    0        0
## 2048                  6.0  7.0           6.0    0        1
## 2049                  5.0  8.0           7.0    0        1
## 2050                  6.0  7.0           4.0    0        1
## 2051                  3.0  5.0           5.0    0        0
## 2052                  5.0  7.0           8.0    0        1
```

```
## 2053                    6.0  7.0            6.0    0        1
## 2054                    6.0  7.0            4.0    0        1
## 2055                    6.0  5.0            3.0    0        0
## 2056                    6.0  5.0            1.0    0        0
## 2057                    6.0  6.0            7.0    0        0
## 2058                    3.0  4.0            5.0    0        0
## 2059                    7.0  7.0            6.0    0        0
## 2060                    3.0  5.0            5.0    0        0
## 2061                    6.0  4.0            4.0    0        0
## 2062                    7.0  6.0            8.0    1        1
## 2063                    7.0  7.0            7.0    0        1
## 2064                    6.0  5.0            5.0    0        1
## 2065                    3.0  7.0            7.0    0        1
## 2066                    8.0  8.0            7.0    0        1
## 2067                    3.0  5.0            5.0    0        0
## 2068                    2.0  4.0            4.0    0        0
## 2069                    7.0  7.0            5.0    0        1
## 2070                    6.0  6.0            7.0    0        0
## 2071                   10.0  8.0            9.0    1        1
## 2072                    8.0  8.0            7.0    1        1
## 2073                    4.0  7.0            6.0    0        0
## 2074                    6.0  4.0            5.0    0        0
## 2075                    1.0  5.0            3.0    1        0
## 2076                    3.0  4.0            2.0    1        0
## 2077                    5.0  4.0            3.0    0        0
## 2078                    6.0  4.0            3.0    0        0
## 2079                    5.0  5.0            4.0    0        0
## 2080                    7.0  7.0            5.0    0        0
## 2081                    5.0  6.0            3.0    0        0
## 2082                    5.0  8.0            4.0    0        1
## 2083                    2.0  6.0            5.0    0        0
## 2084                    3.0  5.0            3.0    0        0
## 2085                    6.0  8.0            8.0    0        1
## 2086                    6.0  7.0            6.0    0        1
## 2087                    4.0  5.0            3.0    0        0
## 2088                    6.0  6.0            5.0    0        0
## 2089                    5.0  5.0            5.0    1        0
## 2090                    2.0  3.0            4.0    0        0
## 2091                    5.0  8.0           10.0    1        1
## 2092                    5.0  6.0            3.0    1        0
## 2093                    3.0  4.0            3.0    0        0
## 2094                    5.0  5.0            4.0    0        1
## 2095                    7.0  6.0            5.0    0        1
## 2096                    5.0  6.0            4.0    0        1
## 2097                    3.0  5.0            5.0    0        0
## 2098                    9.0  9.0            6.0    0        1
## 2099                    4.0  4.0            4.0    0        0
## 2100                    3.0  4.0            3.0    0        0
## 2101                    3.0  4.0            2.0    0        0
## 2102                    3.0  4.0            3.0    0        0
## 2103                    6.0  6.0            4.0    0        1
## 2104                    3.0  5.0            3.0    0        0
## 2105                    5.0  6.0            2.0    0        0
## 2106                    4.0  5.0            2.0    1        0
```

```
## 2107          5.0   6.0        4.0   0      0
## 2108          3.0   5.0        3.0   0      0
## 2109          7.0   6.0        3.0   0      0
## 2110          8.0   6.0        6.0   0      0
## 2111          5.0   7.0        4.0   0      0
## 2112          6.0   8.0        3.0   0      1
## 2113          5.0   8.0        5.0   0      1
## 2114          5.0   8.0        3.0   0      1
## 2115          5.0   5.0        3.0   0      0
## 2116          6.0   8.0        5.0   0      1
## 2117          5.0   7.0        5.0   0      1
## 2118          7.0   7.0        4.0   0      0
## 2119          8.0   8.0        6.0   0      1
## 2120          4.0   5.0        3.0   0      0
## 2121          6.0   6.0        3.0   0      0
## 2122          6.0   6.0        2.0   0      0
## 2123          5.0   7.0        4.0   0      0
## 2124          7.0   7.0        5.0   0      0
## 2125          8.0  10.0       10.0   1      1
## 2126          5.0   6.0        3.0   0      0
## 2127          6.0   6.0        3.0   0      0
## 2128          6.0   5.0        1.0   0      0
## 2129          9.0   9.0        7.0   0      1
## 2130          6.0   7.0        5.0   0      1
## 2131          6.0   7.0        5.0   0      1
## 2132          6.0   7.0        4.0   0      0
## 2133          6.0   6.0        2.0   0      0
## 2134          5.0   7.0        5.0   0      0
## 2135          5.0   7.0        5.0   0      0
## 2136          6.0   8.0        5.0   0      1
## 2137          6.0   6.0        3.0   0      0
## 2138          4.0   6.0        5.0   0      0
## 2139          6.0   7.0        5.0   0      0
## 2140          5.0   6.0        4.0   0      0
## 2141          7.0   7.0        5.0   0      1
## 2142          5.0   8.0        4.0   0      1
## 2143          5.0   8.0        4.0   0      1
## 2144          5.0   7.0        5.0   0      1
## 2145          7.0   8.0        7.0   0      1
## 2146          3.0   6.0        3.0   0      0
## 2147          5.0   7.0        4.0   0      1
## 2148          5.0   5.0        5.0   0      0
## 2149          3.0   5.0        2.0   0      0
## 2150          5.0   6.0        5.0   0      0
## 2151          6.0   6.0        6.0   0      0
## 2152          5.0   7.0        4.0   0      1
## 2153          6.0   5.0        2.0   0      0
## 2154          6.0   5.0        2.0   0      0
## 2155          6.0   8.0        4.0   0      1
## 2156          6.0   5.0        4.0   0      0
## 2157          6.0   7.0        2.0   0      0
## 2158          6.0   8.0        2.0   1      1
## 2159          6.0   8.0        2.0   1      1
## 2160          6.0   7.0        4.0   0      1
```

```
## 2161         6.0  7.0           7.0    0        0
## 2162         6.0  6.0           5.0    0        0
## 2163         6.0  7.0           4.0    0        0
## 2164         6.0  5.0           2.0    0        0
## 2165         6.0  7.0           5.0    1        1
## 2166         6.0  7.0           2.0    1        1
## 2167         6.0  7.0           2.0    1        1
## 2168         6.0  8.0           3.0    0        1
## 2169         4.0  6.0           4.0    0        1
## 2170         2.0  3.0           4.0    0        0
## 2171         6.0  3.0           3.0    0        0
## 2172         5.0  3.0           5.0    0        0
## 2173         3.0  3.0           1.0    0        0
## 2174         4.0  5.0           5.0    0        0
## 2175         3.0  5.0           4.0    0        1
## 2176         4.0  7.0           5.0    0        1
## 2177         4.0  6.0           5.0    0        1
## 2178         4.0  7.0           4.0    0        1
## 2179         3.0  7.0           5.0    0        1
## 2180         4.0  4.0           2.0    0        0
## 2181         6.0  6.0           5.0    0        1
## 2182         3.0  6.0           4.0    0        1
## 2183         4.0  6.0           4.0    0        1
## 2184         4.0  6.0           4.0    0        1
## 2185         8.0  8.0           9.0    0        1
## 2186         6.0  6.0           6.0    0        0
## 2187         8.0  7.0           7.0    1        1
## 2188         7.0  7.0           7.0    0        1
## 2189         3.0  4.0           2.0    0        0
## 2190         7.0  5.0           6.0    0        0
## 2191         5.0  7.0           6.0    0        1
## 2192         6.0  6.0           5.0    0        0
## 2193         7.0  7.0           7.0    0        1
## 2194         7.0  8.0           8.0    0        1
## 2195         6.0  7.0           7.0    0        1
## 2196         5.0  6.0           7.0    0        0
## 2197         8.0  9.0           9.0    0        1
## 2198         7.0  7.0           7.0    0        1
## 2199         6.0  6.0           8.0    0        0
## 2200         8.0  9.0           9.0    0        1
## 2201         8.0  8.0           7.0    0        1
## 2202         8.0  7.0           7.0    0        0
## 2203         9.0  8.0           7.0    1        0
## 2204         8.0  8.0           8.0    1        0
## 2205         7.0  7.0           7.0    0        0
## 2206         6.0  9.0           9.0    0        1
## 2207         6.0  9.0           8.0    0        1
## 2208         8.0  9.0           8.0    0        0
## 2209         8.0  8.0           7.0    0        0
## 2210         7.0  9.0           8.0    0        1
## 2211         6.0  8.0           8.0    0        0
## 2212         6.0  8.0           8.0    0        0
## 2213        10.0 10.0           9.0    0        1
## 2214         8.0  8.0           9.0    0        0
```

```
## 2215                8.0  8.0           8.0    0       0
## 2216                8.0  9.0           8.0    0       1
## 2217                7.0  7.0           6.0    0       1
## 2218                3.0  4.0           4.0    0       0
## 2220                8.0  6.0           5.0    0       1
## 2221                5.0  5.0           5.0    0       1
## 2222                7.0  6.0           6.0    0       1
## 2223                5.0  6.0           5.0    0       1
## 2224                6.0  6.0           5.0    0       1
## 2225                7.0  6.0           5.0    0       1
## 2226                5.0  7.0           6.0    0       1
## 2227                5.0  4.0           3.0    0       0
## 2228                7.0  6.0           5.0    0       1
## 2229                7.0  6.0           5.0    0       1
## 2230                6.0  6.0           6.0    0       1
## 2231                8.0  6.0           5.0    0       1
## 2232                6.0  5.0           6.0    0       1
## 2233                7.0  7.0           7.0    0       1
## 2234                9.0  6.0           7.0    0       0
## 2235               10.0  8.0           9.0    0       1
## 2236                3.0  6.0           6.0    0       1
## 2237                7.0  8.0           7.0    0       1
## 2238                4.0  9.0           8.0    0       0
## 2239                6.0  8.0           6.0    0       1
## 2240               10.0  9.0           8.0    0       1
## 2241                5.0  7.0           5.0    0       1
## 2242                6.0  8.0           7.0    0       1
## 2243                4.0  7.0           6.0    0       1
## 2244                4.0  6.0           7.0    0       1
## 2245                5.0  8.0           9.0    0       1
## 2246                6.0  8.0           4.0    0       1
## 2247                4.0  6.0           5.0    0       1
## 2248                5.0  9.0           6.0    0       1
## 2249                6.0  6.0           6.0    0       1
## 2250                1.0  1.0           5.0    0       0
## 2251                4.0  4.0           5.0    0       0
## 2252                2.0  3.0           7.0    0       0
## 2253                1.0  1.0           5.0    0       0
## 2254                6.0  8.0           5.0    1       1
## 2255                4.0  6.0           3.0    1       1
## 2256                7.0  6.0           6.0    0       1
## 2257                3.0  3.0           9.0    0       0
## 2258                6.0  6.0           4.0    0       1
## 2259                3.0  6.0           7.0    0       1
## 2260                1.0  4.0           5.0    0       0
## 2261                6.0  6.0           5.0    1       1
## 2262                5.0  5.0           5.0    0       0
## 2263                7.0  7.0           6.0    0       1
## 2264                6.0  8.0           4.0    1       1
## 2265                5.0  7.0           5.0    0       1
## 2266                5.0  3.0           3.0    0       0
## 2267                5.0  4.0           4.0    0       0
## 2268                5.0  4.0           4.0    0       0
## 2269                4.0  4.0           3.0    0       0
```

```
## 2270          4.0  4.0          4.0   0        0
## 2271          5.0  5.0          4.0   0        0
## 2272          8.0  8.0          6.0   0        1
## 2273          5.0  6.0          4.0   0        1
## 2274          7.0  8.0          6.0   0        1
## 2275          5.0  5.0          3.0   0        0
## 2276          5.0  5.0          3.0   0        0
## 2277          6.0  7.0          4.0   0        1
## 2278          5.0  6.0          5.0   0        1
## 2279          6.0  6.0          5.0   0        1
## 2280          7.0  7.0          6.0   0        1
## 2281          6.0  6.0          6.0   0        1
## 2282          6.0  5.0          5.0   0        0
## 2283          6.0  6.0          6.0   0        1
## 2284          7.0  7.0          8.0   0        1
## 2285          5.0  7.0          7.0   0        1
## 2286          5.0  7.0          7.0   0        1
## 2287          6.0  6.0          8.0   0        1
## 2288          6.0  6.0          8.0   0        1
## 2289          7.0  7.0          8.0   0        1
## 2290          7.0  7.0          8.0   0        1
## 2291          7.0  6.0          6.0   1        1
## 2292          2.0  2.0          7.0   0        0
## 2293          6.0  4.0          7.0   0        0
## 2294          7.0  4.0          5.0   0        0
## 2295          7.0  5.0          6.0   0        1
## 2296          7.0  7.0          7.0   0        1
## 2297          7.0  7.0          7.0   7        1
## 2298          8.0  8.0          8.0   8        1
## 2299          8.0  7.0          5.0   0        0
## 2300          7.0  4.0          7.0   1        1
## 2301          5.0  6.0          3.0   0        1
## 2302          4.0  6.0          2.0   0        0
## 2303          6.0  7.0          5.0   0        1
## 2304          5.0  2.0          1.0   0        0
## 2305          4.0  4.0          2.0   0        0
## 2306          3.0  5.0          1.0   0        0
## 2307          2.0  7.0          2.0   0        0
## 2308          6.0  5.0          5.0   0        1
## 2309          7.0  7.0          4.0   0        1
## 2310          6.0  7.0          5.0   0        1
## 2311          5.0  6.0          5.0   0        1
## 2312          2.0  2.0          2.0   0        0
## 2313          2.0  3.0          5.0   0        0
## 2314          4.0  4.0          5.0   1        0
## 2315          2.0  3.0          5.0   0        0
## 2316          4.0  5.0          4.0   0        0
## 2317          3.0  7.0          5.0   1        1
## 2318          7.0  7.0          6.0   0        1
## 2319          7.0  7.0          6.0   0        1
## 2320          5.0  6.0          5.0   0        0
## 2321          4.0  7.0          2.0   1        0
## 2322          6.0  5.0          6.0   0        1
## 2323          6.0  6.0          7.0   0        1
```

```
## 2325         6.0   5.0        6.0    0        0
## 2326         6.0   6.0        6.0    0        1
## 2327         6.0   6.0        5.0    0        1
## 2328         6.0   7.0        7.0    0        1
## 2329         6.0   5.0        4.0    0        0
## 2330         6.0   8.0        8.0    0        1
## 2331         7.0   2.0        5.0    0        0
## 2332         6.0   2.0        5.0    0        0
## 2333         7.0   3.0        5.0    0        0
## 2334         7.0   3.0        5.0    0        0
## 2335         6.0   3.0        5.0    0        0
## 2336         7.0   5.0        5.0    0        0
## 2337         7.0   7.0        7.0    0        1
## 2338         5.0   4.0        5.0    0        0
## 2339         4.0   4.0        5.0    0        0
## 2340         7.0   5.0        5.0    0        0
## 2341         6.0   8.0        8.0    0        1
## 2342         3.0   3.0        3.0    0        0
## 2343         6.0   7.0        7.0    0        0
## 2344         4.0   5.0        5.0    0        0
## 2345         5.0   7.0        7.0    0        0
## 2346         5.0   6.0        6.0    0        0
## 2347         6.0   7.0        7.0    0        0
## 2348         7.0   7.0        7.0    0        0
## 2349         9.0   8.0        7.0    0        1
## 2350         5.0   6.0        6.0    0        0
## 2351         7.0   7.0        7.0    0        1
## 2352         6.0   6.0        6.0    0        1
## 2353         7.0   7.0        7.0    0        1
## 2354         4.0   4.0        3.0    0        0
## 2355         4.0   4.0        4.0    0        0
## 2356         4.0   4.0        4.0    0        1
## 2357         4.0   4.0        4.0    0        1
## 2358         4.0   6.0        5.0    0        1
## 2359         9.0   6.0        5.0    0        0
## 2360         9.0   8.0        7.0    0        1
## 2361         8.0   8.0        6.0    0        1
## 2362         8.0   6.0        6.0    0        0
## 2363         8.0   8.0        6.0    0        0
## 2364         9.0   9.0        8.0    6        0
## 2365         9.0  10.0        6.0    0        0
## 2366         8.0   6.0        6.0    0        0
## 2367         8.0   8.0        6.0    0        0
## 2368         8.0   9.0        6.0    0        1
## 2369         8.0   9.0        6.0    0        1
## 2370         6.0   8.0        6.0    0        0
## 2371         9.0   7.0        9.0    0        1
## 2372         7.0   7.0        5.0    0        0
## 2373         5.0   8.0        5.0    0        0
## 2374         6.0   6.0        5.0    0        0
## 2375         6.0   5.0        5.0    0        0
## 2376         9.0   5.0        6.0    0        0
## 2377         9.0   9.0        5.0    1        0
## 2378         7.0   7.0        6.0    0        1
```

```
## 2379            8.0  8.0          6.0  0      1
## 2380            6.0  8.0          5.0  0      0
## 2381            7.0  7.0          7.0  0      1
## 2382            8.0  5.0          9.0  1      0
## 2383            6.0  9.0          7.0  0      1
## 2384           10.0  9.0          8.0  0      0
## 2385            7.0  8.0          6.0  0      1
## 2386            5.0  8.0          5.0  0      1
## 2387            9.0  6.0          6.0  0      1
## 2388            9.0  9.0          6.0  0      0
## 2389            6.0  7.0          5.0  0      0
## 2390           10.0 10.0          7.0  0      1
## 2391            8.0  7.0          9.0  0      0
## 2392            6.0  2.0          6.0  1      0
## 2393            6.0  2.0          8.0  0      0
## 2394            5.0  6.0         10.0  0      0
## 2395            9.0  7.0          9.0  0      0
## 2396           10.0 10.0         10.0  0      1
## 2397            5.0  9.0         10.0  0      1
## 2398            5.0  9.0         10.0  0      1
## 2399            5.0  9.0          9.0  1      1
## 2400           10.0  6.0         10.0  0      0
## 2401            6.0  5.0          3.0  0      0
## 2402            7.0  6.0          5.0  0      1
## 2403            8.0  7.0          6.0  0      1
## 2404            2.0  4.0          2.0  0      0
## 2405            5.0  3.0          3.0  0      1
## 2406            6.0  6.0          6.0  0      1
## 2407            6.0  6.0          6.0  0      1
## 2408            6.0  5.0          4.0  0      1
## 2409            6.0  4.0          3.0  0      0
## 2410            3.0  4.0          3.0  0      0
## 2411           10.0  5.0          9.0  0      1
## 2412            6.0  3.0          2.0  0      0
## 2414            6.0  5.0          9.0  0      0
## 2416            6.0  7.0          9.0  0      1
## 2417            6.0  7.0          9.0  0      1
## 2419            6.0  5.0          6.0  0      0
## 2420            1.0  1.0          2.0  0      0
## 2421            5.0  2.0          1.0  0      0
## 2422            5.0  4.0          2.0  0      1
## 2423            7.0  4.0          2.0  0      0
## 2424            5.0  2.0          1.0  0      0
## 2425            5.0  3.0          1.0  0      1
## 2426            6.0  3.0          1.0  0      0
## 2427            8.0  6.0          2.0  0      1
## 2428            5.0  3.0          2.0  0      1
## 2429            5.0  2.0          1.0  0      0
## 2430            5.0  3.0          1.0  0      0
## 2431            4.0  5.0          7.0  0      0
## 2432            5.0  6.0          2.0  0      0
## 2433            5.0  7.0          2.0  0      0
## 2434            5.0  5.0          7.0  0      0
## 2435            6.0  6.0          5.0  0      0
```

```
## 2436          7.0  8.0          7.0   0      0
## 2437          5.0  6.0          7.0   0      0
## 2438          6.0  6.0          7.0   0      0
## 2439          5.0  6.0          7.0   0      0
## 2440          6.0  7.0          7.0   0      0
## 2441          6.0  4.0          6.0   0      0
## 2442         10.0  7.0          5.0   1      1
## 2443          3.0  7.0          5.0   0      1
## 2444          6.0  4.0          5.0   1      0
## 2445          9.0  5.0          5.0   0      0
## 2446          5.0  9.0          5.0   0      1
## 2447          6.0  6.0          4.0   0      1
## 2448          6.0  7.0          6.0   0      1
## 2449          6.0  6.0          4.0   0      1
## 2450          1.0  6.0          6.0   1      1
## 2451          8.0  5.0          6.0   0      0
## 2452          8.0  5.0          7.0   0      0
## 2453          7.0  6.0          7.0   0      1
## 2454          6.0  5.0          6.0   0      0
## 2455          5.0  6.0          7.0   0      0
## 2456          6.0  7.0          6.0   0      1
## 2457          7.0  6.0          7.0   0      1
## 2458          5.0  7.0          7.0   0      1
## 2459          5.0  6.0          5.0   0      0
## 2460          6.0  5.0          6.0   0      0
## 2461          3.0  4.0          5.0   0      0
## 2462          5.0  6.0          9.0   0      0
## 2463          3.0  5.0          2.0   0      0
## 2464          4.0  6.0          8.0   0      0
## 2465          4.0  5.0          4.0   0      0
## 2466          4.0  7.0          9.0   0      1
## 2467          4.0  7.0          7.0   0      1
## 2468          3.0  3.0          2.0   0      0
## 2469          3.0  5.0          4.0   0      0
## 2470          6.0  6.0          6.0   0      0
## 2471          6.0  7.0          6.0   0      0
## 2472          9.0  8.0          8.0   1      1
## 2473          6.0  5.0          7.0   0      0
## 2474          7.0  8.0          7.0   0      0
## 2475          9.0  8.0          8.0   0      0
## 2476          8.0  9.0          6.0   0      1
## 2477          8.0  8.0          7.0   0      1
## 2478          9.0  8.0          7.0   0      1
## 2479          6.0  8.0          8.0   0      0
## 2480          6.0  7.0          6.0   0      0
## 2481          7.0  7.0          5.0   0      1
## 2482          7.0  8.0          6.0   0      1
## 2483          5.0  5.0          5.0   0      0
## 2484          9.0  6.0          5.0   0      1
## 2485          7.0  6.0          4.0   0      1
## 2486          6.0  6.0          6.0   0      1
## 2487          7.0  7.0          7.0   0      0
## 2488          7.0  8.0          7.0   0      1
## 2489          5.0  5.0          5.0   0      0
```

```
## 2490          6.0   6.0          6.0    0        0
## 2491          9.0   7.0          7.0    0        1
## 2492          6.0   7.0          6.0    0        0
## 2493          7.0   7.0          6.0    0        1
## 2494          6.0   7.0          5.0    0        1
## 2495          5.0   6.0          4.0    0        0
## 2496          7.0   7.0          6.0    0        1
## 2497          6.0   5.0          5.0    0        0
## 2498          7.0   7.0          7.0    0        1
## 2499          6.0   5.0          7.0    0        0
## 2500          6.0   7.0          5.0    0        0
## 2501          9.0  10.0          1.0    1        0
## 2502          9.0  10.0          8.0    0        1
## 2503          6.0   6.0          7.0    0        0
## 2504          6.0   6.0          7.0    0        1
## 2505          6.0   7.0          6.0    0        0
## 2506          9.0   9.0          7.0    0        0
## 2507          6.0   9.0          8.0    0        0
## 2508          6.0   7.0          5.0    0        0
## 2509          4.0   5.0          7.0    0        0
## 2510          6.0   8.0          6.0    0        0
## 2511          7.0   8.0          7.0    0        0
## 2512          7.0   8.0          8.0    0        1
## 2513          6.0   7.0          7.0    0        1
## 2514          6.0   7.0          8.0    0        0
## 2515          5.0   6.0          6.0    0        0
## 2516          6.0   7.0          9.0    0        1
## 2517          5.0   5.0          8.0    0        0
## 2518          9.0   9.0          9.0    0        0
## 2519          4.0   5.0          7.0    0        0
## 2520          7.0   7.0          7.0    0        1
## 2521          5.0   6.0          5.0    1        1
## 2522          5.0   6.0          5.0    0        1
## 2523          6.0   7.0          7.0    0        0
## 2524          9.0   8.0          8.0    1        1
## 2525          6.0   2.0          1.0    0        0
## 2526          8.0   7.0          8.0    1        1
## 2527          6.0   2.0          5.0    0        0
## 2528          6.0   3.0          3.0    0        0
## 2529          2.0   2.0          2.0    0        0
## 2530          6.0   3.0          1.0    0        0
## 2531          6.0   1.0          3.0    0        0
## 2532          2.0   2.0          3.0    0        0
## 2533          3.0   3.0          5.0    0        0
## 2534          3.0   3.0          5.0    0        0
## 2535          6.0   1.0          3.0    0        0
## 2536          6.0   3.0          5.0    0        0
## 2537          6.0   3.0          5.0    0        0
## 2538          3.0   4.0          2.0    0        0
## 2539          6.0   3.0          2.0    0        0
## 2540          9.0   4.0          6.0    0        0
## 2541          4.0   4.0          5.0    0        0
## 2542          1.0   4.0          6.0    0        0
## 2543          4.0   4.0          5.0    0        0
```

```
## 2544          4.0  7.0          5.0   0       1
## 2545          3.0  4.0          5.0   0       0
## 2546          4.0  4.0          9.0   0       0
## 2547          5.0  4.0          5.0   0       0
## 2548          4.0  4.0          5.0   0       0
## 2549          4.0  4.0          5.0   0       0
## 2550          5.0  5.0          5.0   0       0
## 2551          4.0  5.0          5.0   0       0
## 2552          4.0  4.0          5.0   0       0
## 2553          2.0  6.0          5.0   0       0
## 2554          3.0  5.0          4.0   0       0
## 2555          4.0  5.0          5.0   0       0
## 2556          4.0  4.0          5.0   0       0
## 2557          3.0  4.0          5.0   0       0
## 2558         10.0 10.0          1.0   1       1
## 2559         10.0 10.0          1.0   1       1
## 2560          7.0  5.0          4.0   0       0
## 2561          5.0  4.0          4.0   0       0
## 2562          5.0  6.0          4.0   0       0
## 2563          7.0  5.0          4.0   0       0
## 2564          6.0  4.0          3.0   0       0
## 2565          5.0  4.0          4.0   0       0
## 2566          4.0  4.0          4.0   0       0
## 2567          4.0  2.0          2.0   0       0
## 2568          5.0  3.0          3.0   0       0
## 2569          2.0  2.0          2.0   0       0
## 2570          5.0  4.0          3.0   0       0
## 2571          3.0  4.0          4.0   0       0
## 2572          6.0  5.0          4.0   0       0
## 2573          6.0  6.0          4.0   0       0
## 2574          5.0  6.0          4.0   1       0
## 2575          5.0  6.0          6.0   0       0
## 2576          5.0  6.0          4.0   0       0
## 2577          6.0  5.0          6.0   0       0
## 2578          5.0  5.0          4.0   0       0
## 2579          2.0  2.0          1.0   0       0
## 2580          5.0  5.0          5.0   0       0
## 2581          5.0  7.0          8.0   0       0
## 2582          5.0  8.0          8.0   0       1
## 2583          2.0  3.0          7.0   0       0
## 2584          8.0  6.0          6.0   0       1
## 2585          4.0  6.0          8.0   0       1
## 2586         10.0  9.0          9.0   0       1
## 2587          7.0  8.0          9.0   0       0
## 2588          2.0  8.0          9.0   0       1
## 2589          2.0  3.0          5.0   0       0
## 2590         10.0  9.0          8.0   0       0
## 2591          2.0  6.0          6.0   0       0
## 2592          2.0  8.0          9.0   0       1
## 2593          3.0  8.0          6.0   0       1
## 2594          4.0  7.0          8.0   0       0
## 2595          4.0  6.0          8.0   0       0
## 2596          2.0  3.0          3.0   0       0
## 2597          4.0  2.0          8.0   0       0
```

```
## 2598                2.0  3.0           7.0    0        0
## 2599                2.0  2.0           3.0    0        0
## 2600                2.0  5.0           9.0    0        0
## 2601                6.0  8.0           6.0    0        0
## 2602                6.0  8.0           6.0    1        0
## 2603                6.0  6.0           6.0    0        0
## 2604                6.0  8.0           6.0    0        1
## 2605                6.0  7.0           5.0    0        0
## 2606                6.0  8.0           6.0    0        0
## 2607                6.0  8.0           6.0    0        0
## 2608                6.0  7.0           6.0    0        0
## 2609                6.0  7.0           6.0    0        0
## 2610                6.0  8.0           6.0    0        0
## 2611                6.0  8.0           6.0    0        1
## 2612                6.0  8.0           6.0    0        0
## 2613                6.0  7.0           6.0    0        0
## 2614                6.0  7.0           5.0    0        0
## 2615                6.0  7.0           6.0    0        0
## 2616                8.0  6.0           2.0    0        1
## 2617                6.0  6.0           2.0    0        0
## 2618                6.0  7.0           4.0    0        0
## 2619                6.0  7.0           6.0    0        0
## 2621                6.0  7.0           5.0    0        0
## 2622                7.0  7.0           6.0    0        0
## 2623                6.0  6.0           6.0    0        0
## 2624                6.0  6.0           5.0    0        1
## 2625                1.0  1.0           1.0    0        0
## 2626                6.0  4.0           5.0    0        0
## 2627                3.0  4.0           3.0    0        0
## 2628                6.0  6.0           6.0    0        0
## 2629                6.0  2.0           5.0    0        0
## 2630                6.0  7.0           5.0    0        0
## 2631                6.0  5.0           4.0    0        0
## 2632                6.0  6.0           5.0    0        0
## 2633                9.0  8.0           6.0    0        1
## 2634                6.0  6.0           5.0    0        0
## 2635                6.0  5.0           5.0    0        0
## 2636                6.0  7.0           6.0    0        0
## 2637                8.0  8.0           8.0    0        1
## 2638                3.0  6.0           4.0    0        0
## 2639                6.0  5.0           6.0    0        0
## 2640                6.0  6.0           5.0    0        0
## 2641                5.0  8.0           7.0    0        0
## 2642                7.0  8.0           5.0    0        0
## 2643                7.0  6.0           6.0    0        0
## 2644                7.0  8.0           6.0    0        1
## 2645                7.0  6.0           5.0    0        0
## 2646                5.0  7.0           3.0    0        0
## 2647                4.0  5.0           3.0    0        0
## 2648                5.0  6.0           4.0    0        0
## 2649                4.0  5.0           2.0    1        0
## 2650                8.0  7.0           5.0    0        0
## 2651                5.0  6.0           3.0    0        0
## 2652                5.0  7.0           6.0    0        0
```

```
## 2653          8.0  8.0          5.0     0       1
## 2654          7.0  7.0          4.0     0       0
## 2655          3.0  5.0          4.0     0       0
## 2656          4.0  8.0          6.0     0       1
## 2657          5.0  5.0          6.0     0       0
## 2658          6.0  7.0          3.0     0       0
## 2659          6.0  7.0          6.0     0       0
## 2660          5.0  6.0          6.0     0       1
## 2661          6.0  3.0          6.0     0       0
## 2662          7.0  7.0          8.0     0       0
## 2663          4.0  1.0          7.0     0       0
## 2664          7.0 10.0          9.0     0       0
## 2665          6.0  7.0          7.0     0       0
## 2666          6.0  7.0          8.0     0       0
## 2667          6.0  7.0          8.0     0       0
## 2668          3.0  5.0          7.0     0       0
## 2669          3.0  5.0          3.0     1       0
## 2670          6.0  6.0          7.0     0       0
## 2671          6.0  4.0          7.0     0       0
## 2672          6.0  8.0          8.0     0       0
## 2673          9.0  9.0          9.0     0       0
## 2674          7.0  6.0          8.0     0       0
## 2675          6.0  7.0          8.0     0       0
## 2676          7.0  8.0          9.0     0       0
## 2677          3.0  3.0          5.0     0       0
## 2678          4.0  4.0          8.0     0       0
## 2679          6.0  4.0          7.0     0       0
## 2680          3.0  8.0         10.0     0       0
## 2681          6.0  7.0          6.0     0       0
## 2682          6.0  8.0          2.0     1       0
## 2683          7.0  8.0          1.0     1       0
## 2684          7.0  9.0          8.0     0       1
## 2685          5.0  6.0          9.0     0       0
## 2686          8.0  9.0          6.0     0       0
## 2687          8.0  7.0          8.0     0       0
## 2688          6.0  6.0          7.0     0       0
## 2689          1.0  1.0          5.0     0       0
## 2690          6.0  6.0          7.0     0       0
## 2691          4.0  5.0          6.0     0       0
## 2692          8.0  9.0         10.0     1       0
## 2693          8.0  8.0          4.0     1       1
## 2694          5.0  8.0          5.0     1       0
## 2695          2.0  4.0          8.0     0       0
## 2696          7.0  8.0          7.0     0       0
## 2697          6.0  7.0          9.0     0       0
## 2698          8.0  8.0          8.0     0       0
## 2699          6.0  6.0          9.0     0       0
## 2700          7.0  8.0          5.0     0       0
## 2701          5.0  6.0          6.0     0       0
## 2702          8.0  9.0          5.0     0       0
## 2703          2.0  2.0          2.0     0       0
## 2704          6.0  8.0          7.0     0       1
## 2705          5.0  6.0          6.0     0       0
## 2706          6.0  6.0          4.0     0       0
```

```
## 2707          6.0  7.0          7.0    0        1
## 2708          6.0  7.0          7.0    0        1
## 2709          6.0 10.0          8.0    0        0
## 2710          4.0  4.0          2.0    0        0
## 2711          9.0  8.0          8.0    0        1
## 2712          4.0  7.0          5.0    0        0
## 2713          2.0  6.0          2.0    0        0
## 2714          2.0  2.0          2.0    0        0
## 2715          5.0  6.0          6.0    0        0
## 2716          5.0  5.0          2.0    0        0
## 2717          3.0  3.0          4.0    0        0
## 2718          2.0  2.0          2.0    0        0
## 2719          8.0  6.0          6.0    0        0
## 2720          8.0  8.0          7.0    0        0
## 2721          1.0  4.0          4.0    0        0
## 2722          7.0  7.0          7.0    0        1
## 2723          5.0  8.0          7.0    0        1
## 2724          5.0  7.0          7.0    0        0
## 2725          7.0  6.0          7.0    0        1
## 2726          6.0  6.0          5.0    0        1
## 2727          9.0 10.0          9.0    1        1
## 2728          5.0  7.0          7.0    0        1
## 2729          7.0  7.0          7.0    0        1
## 2730          5.0  7.0          5.0    0        1
## 2731          7.0  7.0          7.0    0        1
## 2732          7.0  8.0          7.0    0        1
## 2733          7.0  7.0          5.0    0        1
## 2734          7.0  7.0          7.0    0        1
## 2735          7.0  7.0          6.0    0        0
## 2736          8.0  8.0          8.0    0        1
## 2737          7.0  6.0          5.0    0        1
## 2738          8.0  7.0          7.0    0        1
## 2739          7.0  6.0          7.0    7        1
## 2740          7.0  7.0          7.0    0        1
## 2741          4.0  4.0          8.0    0        0
## 2742          7.0  7.0          9.0    0        0
## 2743          5.0  6.0          9.0    0        0
## 2744          7.0  7.0          7.0    0        0
## 2745          3.0  7.0          9.0    0        0
## 2746          8.0  9.0          9.0    0        1
## 2747          7.0  7.0          9.0    0        0
## 2748          6.0  6.0          8.0    0        0
## 2749          1.0  1.0          1.0    0        0
## 2750          3.0  4.0          9.0    0        0
## 2751          4.0  2.0          9.0    0        0
## 2752          6.0  6.0          9.0    0        0
## 2753         10.0 10.0         10.0    0        1
## 2754          8.0  8.0          9.0    0        1
## 2755          4.0  5.0          7.0    0        0
## 2756          9.0  8.0          9.0    0        0
## 2757          4.0  4.0          9.0    0        0
## 2758          4.0  5.0          9.0    0        0
## 2759          4.0  3.0          8.0    0        0
## 2760          8.0  7.0          9.0    0        0
```

```
## 2761          7.0  6.0          5.0   0        0
## 2762         10.0 10.0         10.0   1        1
## 2763          5.0 10.0          5.0   0        0
## 2764          8.0  7.0          5.0   0        1
## 2765          5.0  5.0          5.0   0        0
## 2766          9.0  9.0          5.0   0        1
## 2767          9.0  8.0          5.0   0        1
## 2768          7.0  5.0          5.0   0        0
## 2769          6.0  5.0          5.0   0        0
## 2770          5.0  5.0          5.0   0        0
## 2771         10.0 10.0         10.0   1        1
## 2772          5.0  7.0          7.0   0        0
## 2773          9.0  9.0          5.0   0        1
## 2774          9.0  9.0          9.0   0        1
## 2775          8.0  7.0          5.0   0        0
## 2776          8.0  8.0          5.0   0        1
## 2777          9.0  9.0          9.0   0        1
## 2778          7.0  6.0          5.0   0        1
## 2779          7.0  6.0          5.0   0        0
## 2780          7.0  8.0          5.0   0        1
## 2781          5.0  6.0          5.0   0        0
## 2782          6.0  6.0          5.0   0        0
## 2783          6.0  6.0          5.0   0        0
## 2784          6.0  6.0          5.0   0        0
## 2785          6.0  6.0          1.0   0        0
## 2786          6.0  6.0          5.0   0        0
## 2787          6.0  6.0          5.0   0        0
## 2788          6.0  6.0          5.0   0        0
## 2789          6.0  6.0          5.0   0        0
## 2790          6.0  6.0          5.0   0        0
## 2791          6.0  6.0          5.0   0        0
## 2792          7.0  6.0          5.0   0        0
## 2793          7.0  6.0          5.0   0        0
## 2794          5.0  6.0          5.0   0        0
## 2795          5.0  7.0          5.0   0        0
## 2796          6.0  6.0          5.0   0        0
## 2797          6.0  6.0          4.0   0        0
## 2798          6.0  6.0          5.0   0        0
## 2799          6.0  6.0          5.0   0        0
## 2801          6.0  7.0          7.0   0        1
## 2802         10.0  6.0          6.0   0        1
## 2803          1.0  1.0          5.0   0        0
## 2804          6.0  5.0          3.0   0        0
## 2805          6.0  2.0          1.0   0        0
## 2806          6.0  7.0          7.0   0        1
## 2807          6.0  8.0          5.0   0        0
## 2808          6.0  3.0          2.0   0        0
## 2809          6.0  2.0          2.0   0        0
## 2810          6.0  7.0          7.0   0        0
## 2811          6.0  7.0          5.0   0        0
## 2812          6.0  7.0          5.0   0        1
## 2813          6.0  9.0          5.0   0        1
## 2814          5.0  5.0          5.0   0        0
## 2815          1.0  2.0          5.0   0        0
```

```
## 2816          6.0  8.0          5.0    0      1
## 2817          6.0  6.5          5.0    0      0
## 2818          1.0  2.0          5.0    0      0
## 2819          5.0  4.0          5.0    0      0
## 2820          6.0  2.0          9.0    0      0
## 2821          2.0  7.0          6.0    0      0
## 2822          7.0  5.0          5.0    0      0
## 2823          6.0  6.0          7.0    0      0
## 2824          4.0  3.0          5.0    0      0
## 2825          5.0  3.0          5.0    0      0
## 2826          7.0  8.0          8.0    1      1
## 2827         10.0  6.0          7.0    1      0
## 2828         10.0  6.0          7.0    1      0
## 2829          6.0  6.0          6.0    0      0
## 2830          7.0  6.0          6.0    0      0
## 2831          7.0  5.0          8.0    0      0
## 2832          7.0  7.0          7.0    0      0
## 2833          6.0  9.0          7.0    0      1
## 2834          2.0  8.0          7.0    0      1
## 2835          6.0  7.0          7.0    0      0
## 2836          4.0  7.0          6.0    0      0
## 2837          8.0  8.0          9.0    1      1
## 2838          8.0  7.0          7.0    1      0
## 2839          9.0  7.0          7.0    1      0
## 2840          4.0  4.0          7.0    0      0
## 2841          5.0  6.0          5.0    0      0
## 2842          7.0  7.0          7.0    0      1
## 2843          7.0  6.0          6.0    0      0
## 2844          5.0  8.0          7.0    0      1
## 2845          5.0  5.0          5.0    0      0
## 2846          6.0  7.0          7.0    0      1
## 2847          5.0  5.0          6.0    0      0
## 2848          7.0  7.0          7.0    0      1
## 2849          6.0  6.0          6.0    0      0
## 2850          6.0  6.0          6.0    0      0
## 2851          6.0  6.0          6.0    0      1
## 2852          5.0  6.0          6.0    0      1
## 2853          6.0  7.0          7.0    0      1
## 2854          6.0  7.0          6.0    0      1
## 2855          6.0  6.0          8.0    0      1
## 2856          7.0  8.0          7.0    0      1
## 2857          5.0  5.0          6.0    0      0
## 2858          7.0  8.0         10.0    1      1
## 2859          6.0  6.0          6.0    0      0
## 2860          7.0  7.0          7.0    0      1
## 2861          6.0  8.0          6.0    0      0
## 2862          6.0  7.0          6.0    0      0
## 2863          7.0  6.0          6.0    0      0
## 2864          8.0  8.0          7.0    0      1
## 2865          5.0  5.0          5.0    0      0
## 2866          8.0  7.0          7.0    0      0
## 2867          7.0  6.0          6.0    0      0
## 2868          7.0  7.0          7.0    0      0
## 2869          6.0  5.0          5.0    0      0
```

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```
## 2870          7.0  7.0          5.0   0      0
## 2871          7.0  7.0          5.0   0      0
## 2872          7.0  7.0          6.0   0      0
## 2873          7.0  8.0          6.0   0      1
## 2874          8.0  8.0          7.0   0      1
## 2875          6.0  6.0          7.0   0      0
## 2876          7.0  7.0          7.0   0      0
## 2877          8.0  6.0          6.0   0      0
## 2878          7.0  7.0          6.0   1      0
## 2879          7.0  7.0          6.0   0      0
## 2880          7.0  6.0          6.0   0      0
## 2881          3.0  5.0          4.0   0      0
## 2882          5.0  7.0          0.0   1      0
## 2883          5.0  6.0          6.0   0      1
## 2884          5.0  8.0          6.0   0      1
## 2885          4.0  4.0          5.0   0      0
## 2886          6.0  7.0          5.0   0      1
## 2887          5.0  8.0          3.0   0      1
## 2888          6.0  7.0          6.0   0      1
## 2889          6.0  9.0          8.0   0      1
## 2890          6.0  9.0          8.0   0      1
## 2891          6.0  8.0          6.0   0      1
## 2892          6.0  8.0          6.0   0      1
## 2893          5.0  7.0          7.0   0      0
## 2894          6.0  9.0          6.0   0      1
## 2895          6.0  7.0          7.0   0      1
## 2896          6.0  7.0          6.0   0      0
## 2897          7.0 10.0          8.0   0      1
## 2898          6.0  6.0          5.0   0      1
## 2899          6.0  8.0          6.0   0      1
## 2900          6.0  8.0          3.0   0      1
## 2901          4.0  2.0          6.0   0      0
## 2902          9.0  8.0          8.0   0      1
## 2903          3.0  3.0          3.0   0      0
## 2904          4.0  7.0          6.0   0      1
## 2905          4.0  3.0          6.0   0      0
## 2906          6.0  5.0          6.0   0      1
## 2907          6.0  7.0          8.0   1      1
## 2908          5.0  6.0          5.0   0      0
## 2909          4.0  4.0          7.0   0      0
## 2910          5.0  4.0          4.0   0      0
## 2911          6.0  5.0          7.0   1      1
## 2912          2.0  2.0          2.0   0      0
## 2913          6.0  6.0          6.0   0      0
## 2914          5.0  8.0          6.0   0      1
## 2915          5.0  7.0          1.0   0      1
## 2916          5.0  5.0          4.0   0      0
## 2917          7.0  7.0          6.0   0      1
## 2918          6.0  5.0          3.0   0      1
## 2919          6.0  6.0          5.0   0      1
## 2920          6.0  6.0          6.0   0      0
## 2921          5.0  5.0          5.0   0      0
## 2922          4.0  7.0          4.0   0      1
## 2923          6.0  6.0          5.0   0      0
```

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```
## 2924          3.0  6.0        5.0  0      0
## 2925          7.0  7.0        6.0  0      1
## 2926          5.0  7.0        2.0  0      1
## 2927          5.0  7.0        5.0  0      1
## 2928          9.0  8.0        6.0  0      1
## 2929          9.0  8.0        7.0  0      1
## 2930          9.0  8.0        7.0  0      1
## 2931          5.0  9.0        5.0  1      0
## 2932          5.0  6.0        5.0  0      1
## 2933          5.0  7.0        5.0  0      0
## 2934          8.0  8.0        7.0  0      1
## 2935          9.0  7.0        6.0  0      1
## 2936          6.0  6.0        5.0  0      1
## 2937          8.0  8.0        6.0  0      1
## 2938          9.0  7.0        6.0  0      1
## 2939          9.0  7.0        6.0  0      1
## 2940          9.0  8.0        6.0  0      1
## 2941          6.0  6.0        7.0  0      0
## 2942          5.0  7.0        8.0  1      1
## 2943          6.0  7.0        6.0  0      0
## 2944          7.0  7.0        8.0  0      1
## 2945          3.0  4.0        7.0  0      0
## 2946          7.0  8.0        8.0  0      1
## 2947          5.0  7.0        7.0  0      1
## 2948          5.0  6.0        9.0  0      0
## 2949          7.0  6.0        7.0  0      1
## 2950          8.0  7.0        6.0  0      1
## 2951          5.0  6.0        7.0  0      0
## 2952          5.0  5.0        7.0  0      0
## 2953          4.0  5.0        6.0  0      0
## 2954          5.0  9.0        8.0  0      1
## 2955          7.0  8.0        8.0  0      1
## 2956          5.0  5.0        6.0  0      0
## 2957          6.0  5.0        7.0  0      0
## 2958          4.0  5.0        5.0  0      1
## 2959          6.0  8.0        8.0  0      1
## 2960          6.0  6.0        7.0  0      1
## 2961          4.0  3.0        2.0  0      0
## 2962          6.0  6.0        5.0  0      1
## 2963          2.0  2.0        1.0  0      0
## 2964          3.0  2.0        1.0  0      0
## 2965          2.0  3.0        1.0  0      0
## 2966          5.0  5.0        5.0  0      0
## 2967          6.0  6.0        5.0  0      1
## 2968          4.0  5.0        5.0  0      0
## 2969          6.0  5.0        5.0  0      1
## 2970          6.0  5.0        6.0  0      1
## 2971          4.0  5.0        5.0  0      1
## 2972          7.0  6.0        6.0  0      1
## 2973          5.0  5.0        5.0  0      1
## 2974          4.0  6.0        4.0  0      1
## 2975          4.0  5.0        4.0  0      1
## 2976          1.0  2.0        1.0  0      0
## 2977          5.0  5.0        2.0  0      0
```

```
## 2978                    4.0   4.0              3.0    0          0
## 2979                    5.0   5.0              4.0    0          0
## 2980                    5.0   5.0              4.0    0          1
## 2981                    5.0   5.0              4.0    0          0
## 2982                    7.0   7.0              5.0    0          1
## 2983                    7.0   7.0              5.0    0          1
## 2984                    6.0   6.0              5.0    0          1
## 2985                    3.0   4.0              4.0    0          0
## 2986                    5.0   6.0              5.0    0          1
## 2987                    7.0   7.0              6.0    0          1
## 2988                    6.0   7.0              5.0    0          0
## 2989                    5.0   6.0              4.0    0          0
## 2990                    7.0   7.0              6.0    0          1
## 2991                    5.0   6.0              6.0    0          1
## 2992                    5.0   6.0              5.0    0          1
## 2993                    6.0   5.0              5.0    0          0
## 2994                    8.0   8.0              5.0    0          1
## 2995                    7.0   7.0              6.0    0          1
## 2996                    5.0   5.0              3.0    0          0
## 2997                    5.0   6.0              5.0    0          0
## 2998                    5.0   6.0              5.0    1          1
## 2999                    7.0   8.0              6.0    0          1
## 3000                    7.0   7.0              5.0    0          1
## 3001                    0.0   2.0              1.0    0          0
## 3002                    9.0   9.0              9.0    0          1
## 3003                   10.0   9.0              8.0    0          1
## 3004                   10.0   9.0              8.0    0          1
## 3005                    8.0   7.0              7.0    0          0
## 3006                    2.0   2.0              8.0    0          0
## 3007                   10.0   9.0              9.0    0          1
## 3008                   10.0  10.0             10.0    0          1
## 3009                    8.0   8.0              9.0    0          1
## 3010                    9.0   9.0              9.0    0          1
## 3011                    7.0   8.0              7.0    0          0
## 3012                   10.0  10.0              9.0    0          1
## 3013                   10.0  10.0             10.0    1          1
## 3014                    9.0   9.0              9.0    0          1
## 3015                    8.0   8.0              9.0    0          1
## 3016                    9.0   9.0              9.0    0          1
## 3017                    9.0  10.0              8.0    0          1
## 3018                   10.0  10.0             10.0    1          1
## 3019                    9.0   9.0              9.0    0          0
## 3020                    9.0   8.0              9.0    0          1
## 3021                    5.0   6.0              3.0    0          1
## 3022                    5.0   7.0              5.0    0          1
## 3023                    3.0   5.0              5.0    0          1
## 3024                    5.0   7.0              6.0    0          1
## 3025                    3.0   3.0              6.0    0          0
## 3026                    3.0   8.0              4.0    0          1
## 3027                    5.0   8.0              3.0    0          1
## 3028                    5.0   7.0              3.0    0          1
## 3029                    3.0   8.0              2.0    0          1
## 3030                    3.0   7.0              3.0    0          1
## 3031                    3.0   4.0              7.0    0          0
```

```
## 3032            3.0  5.0        2.0   0     1
## 3033            5.0  7.0        5.0   0     1
## 3034            5.0  9.0        3.0   0     1
## 3035            5.0  8.0        6.0   0     1
## 3036            2.0  4.0        7.0   0     0
## 3037            4.0  6.0        4.0   0     1
## 3038            3.0  6.0        3.0   0     1
## 3039            6.0  7.0        6.0   0     1
## 3040            3.0  7.0        6.0   0     1
## 3041            2.0  4.0        3.0   0     0
## 3042            2.0  4.0        3.0   0     0
## 3043            5.0  6.0        4.0   0     1
## 3044            5.0  8.0        5.0   0     1
## 3045            2.0  4.0        6.0   0     0
## 3046            7.0  8.0        7.0   0     1
## 3047            4.0  7.0        8.0   0     1
## 3048            2.0  3.0        3.0   0     0
## 3049            2.0  6.0        5.0   1     1
## 3050            3.0  7.0        6.0   1     1
## 3051            3.0  4.0        3.0   0     0
## 3052            4.0  5.0        4.0   0     1
## 3053            4.0  6.0        5.0   0     0
## 3054            4.0  7.0        4.0   0     1
## 3055            5.0  8.0        7.0   0     1
## 3056            3.0  4.0        4.0   0     0
## 3057            5.0  9.0        8.0   0     1
## 3058            5.0  7.0        7.0   0     1
## 3059            6.0  9.0        8.0   0     1
## 3060            5.0  5.0        5.0   0     0
## 3061            7.0  6.0        6.0   0     1
## 3062            5.0  5.0        7.0   0     1
## 3063            2.0  3.0        4.0   0     0
## 3064            5.0  5.0        7.0   0     1
## 3065            5.0  4.0        4.0   0     0
## 3066            8.0  7.0        6.0   0     1
## 3067            6.0  7.0        7.0   0     1
## 3068            7.0  6.0        6.0   0     1
## 3069            6.0  5.0        7.0   0     1
## 3070            7.0  8.0        6.0   0     1
## 3071            2.0  6.0        5.0   0     1
## 3072            7.0  8.0        5.0   0     1
## 3073            6.0  7.0        3.0   0     1
## 3074            5.0  7.0        4.0   0     1
## 3075            6.0  6.0        3.0   0     1
## 3076            4.0  6.0        6.0   0     0
## 3077            7.0  8.0        6.0   0     1
## 3078            2.0  6.0        3.0   0     0
## 3079            5.0  7.0        3.0   0     1
## 3080            6.0  7.0        4.0   0     1
## 3081            7.0  7.0        5.0   0     0
## 3082            8.0  7.0        5.0   0     0
## 3083            5.0  5.0        5.0   0     0
## 3084            7.0  8.0        7.0   0     1
## 3085            5.0  5.0        6.0   0     0
```

```
## 3086                5.0  5.0              5.0   0        1
## 3087                5.0  6.0              6.0   0        1
## 3088                5.0  7.0              8.0   0        0
## 3089                7.0  7.0              6.0   0        1
## 3090                5.0  7.0              6.0   0        0
## 3091                1.0  2.0              4.0   0        0
## 3092                5.0  5.0              5.0   0        0
## 3093                9.0  5.0              6.0   0        1
## 3094                5.0  6.0              7.0   0        1
## 3095                5.0  6.0              6.0   0        1
## 3096                7.0  7.0              5.0   0        0
## 3097                5.0  4.0              1.0   0        1
## 3098                5.0  8.0              6.0   0        1
## 3099                5.0  7.0              6.0   0        1
## 3100                7.0  7.0              6.0   0        0
## 3101                4.0  4.0              6.0   0        0
## 3102                6.0  6.0              5.0   0        1
## 3103                3.0  5.0              3.0   0        0
## 3104                8.0  7.0              7.0   0        1
## 3105                4.0  4.0              2.0   0        0
## 3106                5.0  5.0              5.0   0        0
## 3107                8.0  8.0              5.0   0        1
## 3108                6.0  5.0              6.0   0        0
## 3109                3.0  4.0              5.0   0        0
## 3110                7.0  7.0              7.0   0        1
## 3111                9.0  7.0              7.0   1        1
## 3112                4.0  4.0              5.0   0        0
## 3113                8.0  7.0              7.0   0        1
## 3114                7.0  8.0              6.0   0        1
## 3115                6.0  8.0              7.0   0        1
## 3116                7.0  7.0              6.0   0        1
## 3117                4.0  4.0              5.0   0        0
## 3118                7.0  7.0              6.0   0        1
## 3119                4.0  6.0              7.0   0        0
## 3120                8.0  8.0              6.0   0        1
## 3121                4.0  4.0              7.0   0        0
## 3122                6.0  6.0              7.0   0        0
## 3123                5.0  6.0              7.0   0        0
## 3124                7.0  8.0              8.0   0        1
## 3125                3.0  4.0              2.0   0        0
## 3126                7.0  7.0              8.0   0        1
## 3127                7.0  7.0              5.0   0        0
## 3128                6.0  6.0              8.0   0        0
## 3129                4.0  5.0              4.0   0        0
## 3130                5.0  7.0              5.0   0        0
## 3131                6.0  4.0              1.0   1        0
## 3132                3.0  4.0              2.0   0        0
## 3133                5.0  7.0              4.0   0        0
## 3134                7.0  8.0              7.0   0        1
## 3135                6.0  8.0              7.0   0        1
## 3136                5.0  6.0              3.0   0        0
## 3137                7.0  7.0              6.0   0        0
## 3138                7.0  7.0              6.0   0        0
## 3139                7.0  8.0              7.0   0        1
```

```
## 3140          6.0  6.0     9.0  0     0
## 3141          5.0  4.0     4.0  0     0
## 3142          6.0  6.0     6.0  0     1
## 3143          3.0  3.0     4.0  0     0
## 3144          7.0  7.0     5.0  0     1
## 3145          2.0  2.0     2.0  1     0
## 3146          8.0  9.0     6.0  0     1
## 3147          8.0  8.0     6.0  0     1
## 3148          6.0  5.0     5.0  0     0
## 3149          4.0  3.0     5.0  0     0
## 3150          5.0  4.0     5.0  0     0
## 3151          5.0  3.0     3.0  1     0
## 3152          3.0  3.0     3.0  0     0
## 3153          3.0  3.0     3.0  0     0
## 3154          8.0  9.0     7.0  0     1
## 3155          7.0  8.0     6.0  0     1
## 3156          4.0  4.0     3.0  0     0
## 3157          6.0  5.0     4.0  0     0
## 3158          5.0  5.0     4.0  0     0
## 3159          6.0  6.0     6.0  0     0
## 3160          7.0  6.0     6.0  0     1
## 3161          5.0  5.0     3.0  0     0
## 3162          5.0  6.0     5.0  0     1
## 3163          6.0  6.0     4.0  0     1
## 3164          5.0  5.0     3.0  0     0
## 3165          4.0  5.0     7.0  0     1
## 3166          4.0  4.0     1.0  0     0
## 3167          4.0  3.0     1.0  0     0
## 3168          3.0  6.0     3.0  0     0
## 3169          5.0  4.0     4.0  0     0
## 3170          8.0  7.0     5.0  0     1
## 3171          4.0  4.0     4.0  0     0
## 3172          6.0  5.0     4.0  0     1
## 3173          5.0  7.0     5.0  0     1
## 3174          5.0  6.0     4.0  0     1
## 3175          6.0  7.0     4.0  0     1
## 3176          4.0  6.0     5.0  0     1
## 3177          5.0  6.0     5.0  0     1
## 3178          5.0  6.0     5.0  0     1
## 3179          6.0  6.0     4.0  0     1
## 3180          5.0  7.0     5.0  0     1
## 3181          3.0  5.0     3.0  0     0
## 3182          5.0  7.0     7.0  0     1
## 3183          1.0  3.0     2.0  0     0
## 3184          3.0  3.0     3.0  0     0
## 3185          2.0  3.0     4.0  0     0
## 3186          4.0  4.0     4.0  0     0
## 3187          3.0  6.0     5.0  0     1
## 3188          5.0  5.0     6.0  0     0
## 3189          2.0  4.0     5.0  0     0
## 3190          2.0  4.0     5.0  0     0
## 3191          6.0  3.0     4.0  0     0
## 3192          3.0  4.0     3.0  0     0
## 3193          4.0  6.0     6.0  0     0
```

```
## 3194             6.0  6.0        3.0     0        1
## 3195             3.0  7.0        5.0     0        1
## 3196             3.0  3.0        3.0     0        0
## 3197             3.0  7.0        5.0     0        1
## 3198             5.0  3.0        3.0     0        0
## 3199             3.0  5.0        4.0     0        0
## 3200             7.0  5.0        5.0     0        1
## 3201             2.0  2.0        1.0     0        0
## 3202             5.0  7.0        4.0     0        1
## 3203             6.0  8.0        4.0     0        1
## 3204             5.0  6.0        4.0     0        1
## 3205             6.0  7.0        4.0     0        1
## 3206             6.0  7.0        3.0     0        1
## 3207             6.0  5.0        4.0     0        0
## 3208             5.0  7.0        4.0     0        1
## 3209             3.0  3.0        2.0     0        0
## 3210             4.0  7.0        3.0     0        1
## 3211             3.0  3.0        3.0     0        0
## 3212             6.0  7.0        5.0     0        1
## 3213             7.0  6.0        5.0     0        1
## 3214             7.0  8.0        5.0     0        1
## 3215             7.0  7.0        6.0     0        1
## 3216             4.0  3.0        1.0     0        0
## 3217             7.0  7.0        6.0     0        1
## 3218             7.0  8.0        4.0     0        1
## 3219             7.0  6.0        3.0     0        1
## 3220             8.0  9.0        5.0     0        1
## 3221             4.0  4.0        5.0     0        0
## 3222             6.0  8.0        6.0     0        1
## 3223             3.0  5.0        3.0     0        0
## 3224             9.0  8.0       10.0     1        1
## 3225             5.0  3.0        5.0     0        0
## 3226             7.0  7.0        5.0     0        1
## 3227             8.0  8.0        6.0     0        1
## 3228             8.0  5.0        7.0     0        0
## 3229             4.0  5.0        6.0     0        0
## 3230             6.0  7.0        4.0     0        1
## 3231             6.0  5.0        7.0     0        0
## 3232             4.0  6.0        6.0     0        1
## 3233             8.0  7.0        8.0     0        0
## 3234             4.0  5.0        5.0     0        0
## 3235             7.0  8.0        8.0     0        1
## 3236             7.0  5.0        5.0     0        0
## 3237             5.0  5.0        6.0     0        0
## 3238             7.0  6.0        5.0     1        0
## 3239            10.0  5.0       10.0     1        1
## 3240             5.0  6.0        6.0     0        0
## 3241             5.0  5.0        2.0     0        0
## 3242             7.0  7.0        6.0     0        1
## 3243             4.0  4.0        3.0     0        0
## 3244             8.0  9.0        7.0     1        1
## 3245             2.0  3.0        1.0     0        0
## 3246             6.0  6.0        5.0     0        1
## 3247             9.0  9.0        7.0     0        1
```

```
## 3248              4.0  6.0        3.0   0       0
## 3249              6.0  5.0        4.0   0       1
## 3250              5.0  6.0        5.0   0       1
## 3251              6.0  6.0        6.0   0       1
## 3252              7.0  8.0        6.0   0       1
## 3253              5.0  6.0        3.0   1       0
## 3254              7.0  7.0        5.0   0       1
## 3255              6.0  6.0        4.0   0       1
## 3256              5.0  6.0        4.0   0       0
## 3257              7.0  6.0        5.0   0       1
## 3258              7.0  6.0        3.0   1       1
## 3259              7.0  8.0        5.0   0       1
## 3260              8.0  8.0        6.0   0       1
## 3261              6.0  6.0        4.0   0       1
## 3262              6.0  6.0        5.0   0       1
## 3263              6.0  6.0        7.0   0       1
## 3264              6.0  6.0        6.0   0       1
## 3265              6.0  7.0        4.0   0       0
## 3266              6.0  7.0        6.0   0       1
## 3267              6.0  7.0        6.0   0       1
## 3268              6.0  7.0        6.0   0       1
## 3269              6.0  8.0        6.0   0       1
## 3270              6.0  9.0        6.0   0       1
## 3271              6.0  7.0        6.0   0       1
## 3272              6.0  8.0        6.0   0       1
## 3273              6.0  7.0        5.0   0       1
## 3274              6.0  8.0        6.0   0       1
## 3275              6.0  6.0        5.0   0       1
## 3276              6.0  7.0        5.0   0       0
## 3277              6.0  9.0        6.0   0       1
## 3278              6.0  6.0        5.0   0       1
## 3279              6.0  7.0        6.0   0       1
## 3280              6.0  7.0        6.0   0       1
## 3281              2.0  5.0        2.0   0       0
## 3282              5.0  7.0        4.0   0       1
## 3283              7.0  6.0        2.0   0       0
## 3284              2.0  4.0        1.0   0       0
## 3285              6.0  6.0        1.0   0       0
## 3286              2.0  6.0        3.0   0       0
## 3287              8.0  7.0        5.0   0       0
## 3288              7.0  5.0        3.0   0       1
## 3289              5.0  6.0        4.0   0       1
## 3290              5.0  5.0        3.0   0       1
## 3291              6.0  6.0        4.0   0       0
## 3292              3.0  3.0        2.0   0       0
## 3293              4.0  3.0        2.0   0       0
## 3294              2.0  4.0        3.0   0       0
## 3295              7.0  7.0        4.0   0       1
## 3296              2.0  2.0        2.0   0       0
## 3297              5.0  5.0        4.0   0       0
## 3298              5.0  5.0        6.0   0       0
## 3299              5.0  7.0        7.0   0       1
## 3300              9.0  8.0        8.0   0       1
## 3301              5.0  7.0        7.0   0       0
```

```
## 3302              7.0  6.0          6.0   0        0
## 3303              3.0  6.0          7.0   0        0
## 3304              6.0  7.0          7.0   0        1
## 3305              4.0  5.0          6.0   0        0
## 3306              8.0  7.0          8.0   0        1
## 3307              5.0  7.0          7.0   0        0
## 3308              0.0  2.0          0.0   0        0
## 3309              5.0  6.0          6.0   0        1
## 3310              6.0  7.0          7.0   0        1
## 3311              2.0  3.0          2.0   0        0
## 3312              2.0  5.0          5.0   0        0
## 3313              8.0  7.0          6.0   0        1
## 3314              2.0  2.0          0.0   0        0
## 3315              9.0  8.0          9.0   0        1
## 3316              6.0  5.0          4.0   0        0
## 3317              7.0  7.0          7.0   0        1
## 3318              8.0  8.0          7.0   0        1
## 3319              8.0  7.0          8.0   0        1
## 3320              6.0  7.0          8.0   0        0
## 3321              5.0  6.0          6.0   0        0
## 3322              7.0  8.0          7.0   0        1
## 3323              6.0  7.0          6.0   0        0
## 3324             10.0  9.0          8.0   0        1
## 3325              6.0  6.0          6.0   0        0
## 3326              8.0  8.0          5.0   0        1
## 3327              7.0  6.0          2.0   0        0
## 3328              7.0  8.0          6.0   0        1
## 3329              6.0  7.0          6.0   0        0
## 3330              7.0  6.0          7.0   0        0
## 3331              6.0  8.0          4.0   0        1
## 3332              5.0  6.0          7.0   0        0
## 3333              7.0  7.0          5.0   0        1
## 3334              7.0  6.0          6.0   0        0
## 3335              7.0  7.0          4.0   0        1
## 3336              5.0  6.0          6.0   0        1
## 3337              3.0  6.0          4.0   0        0
## 3338              4.0  5.0          2.0   0        0
## 3339              3.0  4.0          2.0   0        0
## 3340              5.0  6.0          4.0   0        0
## 3341              6.0  6.0          3.0   0        0
## 3342              7.0  6.0          5.0   0        1
## 3343              3.0  5.0          2.0   0        0
## 3344              6.0  7.0          7.0   0        1
## 3345              5.0  6.0          6.0   0        0
## 3346              5.0  6.0          4.0   0        0
## 3347              4.0  6.0          5.0   0        0
## 3348              7.0  8.0          6.0   0        0
## 3349              5.0  7.0          6.0   0        1
## 3350              5.0  6.0          6.0   0        0
## 3351              9.0  8.0          7.0   0        1
## 3352              5.0  6.0          4.0   0        0
## 3353              7.0  6.0          5.0   0        1
## 3354              5.0  7.0          5.0   0        1
## 3355              7.0  3.0          4.0   0        0
```

```
## 3356          6.0  6.0          6.0  0          1
## 3357          3.0  2.0          3.0  0          0
## 3358          3.0  7.0          6.0  0          1
## 3359          6.0  4.0          5.0  1          0
## 3360          7.0  7.0          6.0  0          1
## 3361          7.0  6.0          6.0  0          1
## 3362          6.0  7.0          7.0  0          1
## 3363          6.0  8.0          7.0  0          1
## 3364          6.0  6.0          5.0  0          0
## 3365          6.0  7.0          6.0  0          1
## 3366          6.0  6.0          5.0  0          0
## 3367          6.0  6.0          6.0  0          0
## 3368          6.0  7.0          7.0  0          0
## 3369          6.0  7.0          7.0  0          1
## 3370          7.0  8.0          7.0  0          1
## 3371          3.0  3.0          2.0  0          0
## 3372          5.0  6.0          4.0  0          1
## 3373          1.0  4.0          2.0  0          0
## 3374          1.0  3.0          7.0  0          0
## 3375          7.0  8.0          5.0  0          1
## 3376          3.0  3.0          2.0  0          0
## 3377          2.0  3.0          3.0  0          0
## 3378          7.0  7.0          5.0  0          1
## 3379          1.0  4.0          2.0  0          0
## 3380          5.0  7.0          3.0  0          1
## 3381          4.0  6.0          4.0  0          0
## 3382          5.0  8.0          2.0  0          1
## 3383          6.0  6.0          4.0  0          0
## 3384          4.0  5.0          5.0  0          0
## 3385          3.0  7.0          5.0  0          1
## 3386          4.0  8.0          3.0  0          1
## 3387          4.0  8.0          4.0  0          1
## 3388          6.0  7.0          2.0  0          0
## 3389          6.0  5.0          5.0  0          0
## 3390          4.0  4.0          3.0  0          1
## 3391          4.0  4.0          3.0  0          0
## 3392          5.0  5.0          3.0  0          0
## 3393          5.0  7.0          3.0  0          1
## 3394          6.0  6.0          5.0  0          1
## 3395          5.0  7.0          6.0  0          1
## 3396          5.0  5.0          5.0  0          1
## 3397          6.0  7.0          5.0  0          1
## 3398          4.0  6.0          6.0  0          1
## 3399          3.0  7.0          6.0  0          1
## 3400          3.0  3.0          3.0  0          0
## 3401          3.0  6.0          6.0  0          1
## 3402          3.0  6.0          5.0  0          1
## 3403          7.0  7.0          7.0  0          1
## 3404          4.0  7.0          7.0  0          1
## 3405          3.0  5.0          6.0  0          1
## 3406          5.0  7.0          5.0  0          1
## 3407          3.0  7.0          4.0  0          0
## 3408          4.0  8.0          6.0  0          1
## 3409          4.0  6.0          4.0  0          0
```

```
## 3410              3.0  6.0          4.0   0        0
## 3411              3.0  7.0          5.0   0        0
## 3412              4.0  6.0          4.0   0        0
## 3413              5.0  7.0          6.0   0        1
## 3414              5.0  7.0          6.0   0        1
## 3415              5.0  8.0          5.0   0        1
## 3416              9.0  9.0          8.0   0        1
## 3417              7.0  9.0          8.0   0        1
## 3418              5.0  7.0          6.0   0        0
## 3419              6.0  2.0          6.0   0        0
## 3420              9.0  9.0          8.0   1        1
## 3421              5.0  6.0          4.0   0        0
## 3422             10.0  9.0          6.0   0        1
## 3423              9.0  8.0          7.0   0        1
## 3424              8.0  9.0          7.0   0        1
## 3425              4.0  5.0          6.0   0        0
## 3426              7.0  9.0          9.0   0        1
## 3427              4.0  4.0          6.0   0        0
## 3428              6.0  6.0          9.0   0        1
## 3429              8.0  8.0          9.0   0        1
## 3430              5.0  5.0          9.0   0        0
## 3431              7.0  7.0         10.0   0        1
## 3432              8.0  8.0          9.0   0        1
## 3433              8.0  7.0          9.0   0        1
## 3434              6.0  7.0          4.0   0        0
## 3435              6.0  8.0          8.0   0        1
## 3436              6.0  3.0          6.0   0        0
## 3437              6.0  6.0          6.0   0        0
## 3438              8.0  5.0          6.0   0        0
## 3439              6.0  7.0          6.0   0        0
## 3440              6.0  5.0          6.0   0        0
## 3441              6.0  7.0          5.0   0        0
## 3442              8.0  8.0          7.0   0        1
## 3443              2.0  6.0          8.0   0        1
## 3444              6.0  6.0          8.0   0        1
## 3445              3.0  2.0          4.0   0        0
## 3446              1.0  3.0          3.0   0        0
## 3447              5.0  1.0          2.0   0        0
## 3448              1.0  2.0          8.0   0        0
## 3449              7.0  6.0          8.0   0        1
## 3450              1.0  2.0          8.0   0        0
## 3451             10.0  4.0          8.0   0        0
## 3452              1.0  1.0          4.0   0        0
## 3453              1.0  1.0          2.0   0        0
## 3454              2.0  3.0          4.0   0        0
## 3455              1.0  1.0          5.0   0        0
## 3456              1.0  2.0          4.0   0        0
## 3457              8.0  1.0          5.0   0        0
## 3458              4.0  1.0          5.0   0        0
## 3459              3.0  3.0          8.0   0        1
## 3460              1.0  1.0          2.0   0        0
## 3461              2.0  2.0          8.0   0        1
## 3462              1.0  6.0          3.0   0        1
## 3463              1.0  2.0          6.0   0        0
```

```
## 3464              5.0  5.0          6.0    0         0
## 3465              8.0  7.0          7.0    0         1
## 3466              5.0  6.0          5.0    0         0
## 3467              4.0  6.0          5.0    0         1
## 3468              5.0  8.0          7.0    0         1
## 3469              6.0  6.0          5.0    0         0
## 3470              6.0  7.0          6.0    0         1
## 3471              6.0  5.0          5.0    0         0
## 3472              8.0  7.0          7.0    0         1
## 3473              7.0  7.0          6.0    0         1
## 3474              4.0  5.0          5.0    0         0
## 3475              6.0  8.0          6.0    0         1
## 3476              6.0  7.0          7.0    0         1
## 3477              5.0  6.0          5.0    0         0
## 3478              6.0  5.0          5.0    0         0
## 3479              8.0  6.0          6.0    0         1
## 3480              8.0  8.0          6.0    0         1
## 3481              4.0  5.0          4.0    0         0
## 3482              6.0  6.0          6.0    0         0
## 3483              7.0  6.0          6.0    0         0
## 3484              5.0  7.0          6.0    0         1
## 3485              2.0  4.0          5.0    0         0
## 3486              2.0  3.0          3.0    0         0
## 3487              3.0  4.0          4.0    0         0
## 3488              3.0  7.0          5.0    0         1
## 3489              4.0  8.0          5.0    0         1
## 3490              2.0  3.0          4.0    0         0
## 3491              4.0  8.0          5.0    0         1
## 3492              3.0  5.0          5.0    0         0
## 3493              2.0  3.0          3.0    0         0
## 3494              2.0  6.0          5.0    0         0
## 3495              5.0  5.0          7.0    0         0
## 3496              3.0  4.0          3.0    0         0
## 3497              2.0  3.0          3.0    0         0
## 3498              3.0  3.0          5.0    0         0
## 3499              3.0  3.0          3.0    0         0
## 3500              2.0  3.0          5.0    0         0
## 3501              2.0  4.0          5.0    0         0
## 3502              2.0  3.0          3.0    0         0
## 3503              5.0  7.0          5.0    0         0
## 3504              3.0  6.0          5.0    0         0
## 3505              5.0  3.0          3.0    0         0
## 3506              6.0  6.0          6.0    0         0
## 3507              6.0  6.0          6.0    0         0
## 3508              6.0  6.0          6.0    0         0
## 3509              6.0  6.0          6.0    0         0
## 3510              6.0  6.0          6.0    0         0
## 3511              5.0  5.0          5.0    0         0
## 3512              5.0  6.0          5.0    0         0
## 3513              5.0  6.0          5.0    0         0
## 3514              6.0  6.0          6.0    0         0
## 3515              6.0  7.0          6.0    0         0
## 3516              6.0  6.0          6.0    0         0
## 3517              6.0  6.0          6.0    0         0
```

## 3518	5.0	5.0	5.0	0	0
## 3519	5.0	5.0	5.0	0	0
## 3520	5.0	5.0	5.0	0	0
## 3521	6.0	6.0	6.0	0	0
## 3522	5.0	6.0	5.0	0	0
## 3523	6.0	6.0	6.0	0	0
## 3524	6.0	7.0	5.0	0	0
## 3525	6.0	7.0	6.0	0	0
## 3526	6.0	6.0	6.0	0	0
## 3527	5.0	6.0	8.0	0	0
## 3528	4.0	6.0	7.0	0	0
## 3529	5.0	6.0	5.0	0	0
## 3530	5.0	6.0	7.0	0	0
## 3531	4.0	5.0	6.0	0	0
## 3532	6.0	6.0	6.0	0	0
## 3533	7.0	8.0	7.0	0	1
## 3534	7.0	6.0	7.0	0	0
## 3535	5.0	6.0	6.0	0	0
## 3536	5.0	7.0	7.0	0	1
## 3537	4.0	5.0	8.0	0	0
## 3538	6.0	6.0	7.0	0	0
## 3539	6.0	6.0	7.0	0	0
## 3540	5.0	5.0	5.0	0	0
## 3541	4.0	3.0	2.0	0	0
## 3542	5.0	6.0	6.0	0	0
## 3543	3.0	7.0	8.0	0	1
## 3544	7.0	7.0	6.0	1	0
## 3545	6.0	5.0	5.0	0	0
## 3546	5.0	7.0	7.0	0	0
## 3547	5.0	5.0	4.0	0	0
## 3548	0.0	3.0	0.0	0	0
## 3549	2.0	3.0	2.0	0	0
## 3550	6.0	4.0	3.0	0	0
## 3551	2.0	6.0	2.0	0	0
## 3552	7.0	6.0	3.0	0	0
## 3553	0.0	3.0	0.0	0	0
## 3554	8.0	6.0	4.0	0	0
## 3555	6.0	3.0	2.0	0	0
## 3556	7.0	3.0	2.0	0	0
## 3557	6.0	6.0	5.0	0	0
## 3558	6.0	6.0	5.0	0	0
## 3559	8.0	7.0	5.0	0	0
## 3560	8.0	5.0	2.0	0	0
## 3561	6.0	3.0	2.0	0	0
## 3562	3.0	3.0	1.0	0	0
## 3563	5.0	4.0	2.0	0	0
## 3564	3.0	5.0	3.0	0	0
## 3565	6.0	6.0	3.0	0	0
## 3566	2.0	5.0	0.0	0	0
## 3567	6.0	7.0	5.0	0	0
## 3568	6.0	5.0	3.0	0	0
## 3569	3.0	3.0	1.0	0	0
## 3570	6.0	5.0	6.0	0	0
## 3571	2.0	5.0	6.0	0	0

```
## 3572          9.0  8.0         8.0    0        1
## 3573          9.0  7.0         6.0    0        1
## 3574          6.0  4.0         5.0    0        0
## 3575          7.0  7.0         4.0    0        1
## 3576          8.0  7.0         5.0    0        1
## 3577          3.0  4.0         3.0    0        0
## 3578          6.0  7.0         5.0    0        1
## 3579          7.0  7.0         7.0    0        1
## 3580          5.0  6.0         5.0    0        1
## 3581          2.0  5.0         5.0    0        0
## 3582          3.0  4.0         6.0    0        0
## 3583          6.0  5.0         4.0    0        0
## 3584          2.0  5.0         3.0    0        0
## 3585          6.0  7.0         2.0    0        1
## 3586          6.0  5.0         7.0    0        0
## 3587          4.0  4.0         6.0    0        0
## 3588          6.0  8.0         5.0    0        1
## 3589          4.0  7.0         6.0    0        1
## 3590          4.0  7.0         5.0    0        1
## 3591          3.0  4.0         3.0    0        0
## 3592          4.0  5.0         4.0    0        0
## 3593          7.0  8.0         3.0    1        0
## 3594          7.0  8.0        10.0    1        1
## 3595          6.0  7.0         4.0    1        0
## 3596          2.0  5.0         1.0    0        0
## 3597          2.0  5.0         3.0    1        0
## 3598          6.0  7.0         6.0    0        1
## 3599          4.0  7.0         5.0    0        0
## 3600          2.0  6.0         5.0    0        0
## 3601          6.0  8.0         5.0    0        1
## 3602          4.0  7.0         4.0    0        0
## 3603          3.0  6.0         5.0    0        0
## 3604          2.0  5.0         4.0    0        0
## 3605          4.0  7.0         4.0    0        0
## 3606          5.0  7.0         5.0    0        0
## 3607          4.0  7.0         5.0    1        0
## 3608          4.0  7.0         4.0    1        0
## 3609          4.0  6.0         4.0    0        0
## 3610          3.0  5.0         4.0    0        0
## 3611          7.0  6.0         3.0    0        0
## 3612          6.0  4.0         3.0    0        0
## 3613          6.0  7.0         5.0    0        0
## 3614          6.0  8.0        10.0    1        1
## 3615          3.0  9.0        10.0    1        1
## 3616          4.0  5.0         5.0    0        0
## 3617          6.0  6.0         5.0    1        0
## 3618          6.0  7.0         5.0    1        1
## 3619          5.0  5.0         5.0    0        0
## 3620          7.0  8.0         5.0    0        1
## 3621          6.0  4.0         5.0    0        0
## 3622          4.0  7.0         6.0    0        1
## 3623          5.0  7.0         4.0    0        1
## 3624          5.0  5.0         5.0    0        0
## 3625          5.0  6.0         4.0    0        0
```

```
## 3626        6.0  7.0        5.0   0       1
## 3627        6.0  7.0        5.0   0       1
## 3628        5.0  8.0        5.0   1       1
## 3629        7.0  7.0        5.0   0       1
## 3630        6.0  8.0        6.0   0       1
## 3631        4.0  7.0        5.0   0       1
## 3632        7.0  6.0        5.0   0       0
## 3633        6.0  7.0        5.0   0       0
## 3634        7.0  7.0        5.0   0       1
## 3635        8.0  9.0       10.0   1       1
## 3636        6.0  8.0        7.0   0       1
## 3637        4.0  6.0        5.0   0       0
## 3638        5.0  6.0        5.0   1       1
## 3639        7.0  7.0        5.0   1       1
## 3640        5.0  6.0        5.0   0       0
## 3641        5.0  6.0        5.0   0       0
## 3642        4.0  7.0        5.0   0       0
## 3643        3.0  6.0        5.0   0       0
## 3644        5.0  6.0        5.0   0       0
## 3645        3.0  4.0        5.0   0       0
## 3646        4.0  3.0        4.0   0       0
## 3647        6.0  7.0        5.0   0       1
## 3648        6.0  8.0        6.0   0       1
## 3649        8.0  7.0        5.0   0       1
## 3650        6.0  7.0        5.0   1       1
## 3651        4.0  6.0        7.0   0       0
## 3652        5.0  5.0        5.0   0       0
## 3653        7.0  8.0        7.0   0       1
## 3654        4.0  7.0        2.0   0       0
## 3655        5.0  5.0        4.0   0       0
## 3656        6.0  7.0        5.0   0       0
## 3657        7.0  8.0        4.0   0       1
## 3658        3.0  7.0        3.0   0       0
## 3659        4.0  7.0        2.0   0       0
## 3660        6.0  7.0        6.0   0       0
## 3661        7.0  7.0        4.0   0       0
## 3662        6.0  6.0        6.0   0       0
## 3663        5.0  7.0        6.0   0       0
## 3664        6.0  7.0        5.0   0       0
## 3665        5.0  8.0        4.0   0       0
## 3666        5.0  8.0        5.0   0       0
## 3667        4.0  6.0        3.0   0       0
## 3668        6.0  7.0        2.0   0       0
## 3669        8.0  8.0        7.0   0       0
## 3670        5.0  6.0        2.0   0       0
## 3671        6.0  7.0        4.0   0       0
## 3672        5.0  9.0        2.0   0       0
## 3673        3.0  7.0        3.0   0       0
## 3674        5.0  8.0        5.0   0       1
## 3675        5.0  7.0        2.0   0       1
## 3676        7.0  8.0        1.0   0       0
## 3677        3.0  7.0        0.0   0       0
## 3678        0.0  7.0        0.0   0       0
## 3679        3.0  7.0        2.0   0       0
```

```
## 3680          5.0  8.0        2.0    0        0
## 3681          3.0  8.0        5.0    0        0
## 3682          3.0  7.0        3.0    0        0
## 3683          8.0  9.0        8.0    0        1
## 3684          5.0  7.0        7.0    0        1
## 3685          3.0  6.0        2.0    0        0
## 3686          6.0  7.0        6.0    0        0
## 3687          5.0  8.0        5.0    0        0
## 3689          7.0  8.0        1.0    0        1
## 3690          5.0 10.0        6.0    0        1
## 3691          7.0  8.0        6.0    0        1
## 3692          2.0  8.0        4.0    0        0
## 3693          7.0  9.0        4.0    0        1
## 3694          3.0  7.0        4.0    0        0
## 3695          3.0  2.0        3.0    0        0
## 3696          6.0  8.0        6.0    0        1
## 3697          5.0  5.0        6.0    0        0
## 3698          6.0  6.0        5.0    0        0
## 3699          6.0  6.0        6.0    0        1
## 3700          3.0  6.0        3.0    0        0
## 3701          5.0  7.0        6.0    0        1
## 3702          6.0  6.0        6.0    1        1
## 3703          5.0  3.0        3.0    0        0
## 3704          6.0  6.0        5.0    1        1
## 3705          4.0  6.0        3.0    1        0
## 3706          5.0  6.0        6.0    0        1
## 3707          7.0  3.0        4.0    0        0
## 3708          5.0  5.0        5.0    0        0
## 3709          5.0  3.0        3.0    0        0
## 3710          6.0  7.0        6.0    0        1
## 3711          8.0  6.0        8.0    1        0
## 3712          5.0  6.0        4.0    0        0
## 3713          5.0  6.0        4.0    0        0
## 3714          6.0  6.0        4.0    0        0
## 3715          4.0  3.0        4.0    0        0
## 3716          9.0  6.0        3.0    0        1
## 3717          3.0  5.0        1.0    0        0
## 3718          8.0  6.0        1.0    0        0
## 3719          8.0  8.0        2.0    0        0
## 3720          4.0  7.0        2.0    0        0
## 3721          7.0  6.0        3.0    0        0
## 3722          3.0  6.0        2.0    0        0
## 3723          4.0  9.0        3.0    0        1
## 3724          2.0  8.0        3.0    0        1
## 3725          2.0  8.0        2.0    0        0
## 3727          2.0  8.0        2.0    0        0
## 3728          2.0  7.0        2.0    0        0
## 3729          6.0  8.0        2.0    0        0
## 3730          3.0  9.0        2.0    0        0
## 3731          7.0  7.0        2.0    0        0
## 3732          1.0  6.0        2.0    0        0
## 3733          3.0  6.0        2.0    0        0
## 3734          3.0  7.0        2.0    0        0
## 3735          2.0  8.0        2.0    0        0
```

```
## 3736          3.0  6.0        3.0   0        0
## 3737          2.0  6.0        7.0   0        0
## 3738          1.0  2.0        6.0   0        0
## 3739          6.0  2.0        2.0   0        0
## 3740          1.0  4.0        6.0   0        0
## 3741          6.0  5.0        2.0   0        0
## 3742          6.0  5.0        6.0   0        0
## 3743          3.0  6.0        7.0   0        0
## 3744          6.0  3.0        5.0   0        0
## 3745          5.0  4.0        5.0   0        0
## 3746          6.0  4.0        5.0   0        0
## 3747          6.0  6.0        7.0   0        0
## 3748          5.0  6.0        5.0   0        1
## 3749          1.0  2.0        5.0   0        0
## 3750          5.0  3.0        5.0   0        0
## 3751          0.0  1.0        5.0   0        0
## 3752          6.0  8.0        5.0   0        1
## 3753          6.0  8.0        7.0   0        1
## 3754          0.0  2.0        0.0   0        0
## 3755          6.0  7.0        8.0   0        1
## 3756          0.0  6.0        3.0   0        1
## 3757          0.0  2.0        5.0   0        0
## 3758          5.0  5.0        6.0   0        0
## 3759          4.0  5.0        6.0   0        0
## 3760          4.0  5.0        6.0   0        0
## 3761          6.0  5.0        6.0   0        0
## 3762          6.0  6.0        6.0   0        0
## 3763          5.0  5.0        6.0   0        0
## 3764          5.0  5.0        6.0   0        0
## 3765          4.0  5.0        6.0   0        0
## 3766          4.0  5.0        6.0   0        0
## 3767          7.0  6.0        6.0   0        0
## 3768          4.0  5.0        7.0   0        0
## 3769          6.0  5.0        6.0   0        0
## 3770          4.0  5.0        6.0   0        0
## 3771          4.0  5.0        6.0   0        0
## 3772          5.0  5.0        3.0   0        0
## 3773          4.0  5.0        6.0   0        0
## 3774          5.0  5.0        6.0   0        0
## 3775          4.0  5.0        6.0   0        0
## 3776          7.0  5.0        6.0   0        0
## 3777          7.0  5.0        6.0   0        0
## 3778          5.0  5.0        6.0   0        0
## 3779          7.0  8.5        7.0   0        1
## 3780          8.0  8.0        7.0   0        1
## 3781          6.0  7.0        5.0   0        0
## 3782          8.0  8.0        6.0   0        1
## 3783          7.0  7.0        5.0   0        1
## 3784          6.0  8.0        6.0   0        0
## 3785          8.0  9.0        7.0   0        1
## 3786          5.0  8.0        5.0   0        0
## 3787          4.0  5.0        5.0   0        0
## 3788          5.0  6.0        5.0   0        0
## 3789          5.0  6.0        8.0   0        0
```

```
## 3790          6.0  7.0      5.0   0      0
## 3791          6.0  7.0      5.0   0      0
## 3792          4.0  5.0      4.0   0      0
## 3793          6.0  4.0      5.0   0      0
## 3794          6.0  7.0      6.0   0      1
## 3795          8.0  8.0      4.0   0      1
## 3796          8.0  9.0      6.0   0      1
## 3797          8.0  9.0      6.0   0      0
## 3798          7.0  9.0      6.0   0      1
## 3799          7.0  8.0      5.0   0      1
## 3800          8.0  7.0      7.0   0      0
## 3801          7.0  8.0      7.0   0      1
## 3802          4.0  4.0      4.0   0      0
## 3803          3.0  8.0      8.0   0      0
## 3804          7.0  8.0      7.0   0      1
## 3805          3.0  6.0      7.0   0      0
## 3806          5.0  8.0      7.0   0      1
## 3807          8.0  8.0      8.0   0      0
## 3808          5.0  6.0      7.0   0      0
## 3809          5.0  4.0      5.0   0      0
## 3810          3.0  7.0      9.0   0      1
## 3811          4.0  6.0      5.0   0      0
## 3812          5.0  7.0     10.0   0      0
## 3813          4.0  5.0      7.0   0      0
## 3814          2.0  5.0      6.0   0      0
## 3815          6.0  8.0      6.0   0      1
## 3816          4.0  8.0      7.0   0      1
## 3817          5.0  6.0      6.0   0      0
## 3818          8.0  7.0      7.0   0      1
## 3819          2.0  5.0      5.0   0      0
## 3820          5.0  7.0      6.0   0      0
## 3821          6.0  6.0      6.0   1      1
## 3822          4.0  5.0      4.0   0      0
## 3823          4.0  5.0      5.0   0      0
## 3824          8.0  7.0      6.0   0      1
## 3825          7.0  6.0      5.0   0      0
## 3826          6.0  5.0      4.0   0      0
## 3827          5.0  6.0      6.0   0      1
## 3828          6.0  7.0      6.0   0      1
## 3829          6.0  6.0      7.0   0      1
## 3830          6.0  6.0      5.0   0      1
## 3831          5.0  6.0      5.0   0      0
## 3832          6.0  6.0      6.0   0      1
## 3833          4.0  5.0      4.0   0      0
## 3834          5.0  6.0      4.0   0      0
## 3835          4.0  5.0      4.0   0      0
## 3836          6.0  6.0      5.0   0      1
## 3837          5.0  6.0      5.0   0      1
## 3838          5.0  6.0      5.0   0      1
## 3839          5.0  5.0      5.0   0      0
## 3840          6.0  6.0      5.0   0      1
## 3841          5.0  6.0      5.0   0      1
## 3842          6.0  6.0      5.0   0      0
## 3843          6.0  6.0      5.0   0      0
```

## 3844	4.0	5.0	5.0	0	0
## 3845	5.0	4.0	4.0	0	0
## 3846	5.0	6.0	4.0	0	1
## 3847	2.0	4.0	4.0	0	0
## 3848	6.0	6.0	6.0	0	1
## 3849	6.0	5.0	5.0	0	0
## 3850	4.0	5.0	4.0	0	0
## 3851	6.0	7.0	5.0	0	1
## 3852	4.0	4.0	6.0	0	0
## 3853	4.0	4.0	4.0	0	0
## 3854	6.0	6.0	6.0	0	0
## 3855	4.0	6.0	6.0	0	0
## 3856	4.0	3.0	4.0	0	0
## 3857	6.0	7.0	6.0	0	1
## 3858	6.0	7.0	7.0	0	1
## 3859	7.0	7.0	6.0	0	1
## 3860	6.0	6.0	6.0	0	0
## 3861	7.0	7.0	6.0	0	1
## 3862	6.0	6.0	6.0	0	1
## 3863	6.0	4.0	5.0	0	0
## 3864	8.0	7.0	7.0	0	0
## 3865	6.0	7.0	7.0	0	0
## 3866	6.0	6.0	7.0	0	0
## 3867	7.0	8.0	8.0	0	1
## 3868	6.0	7.0	7.0	0	0
## 3869	7.0	8.0	8.0	0	1
## 3870	6.0	3.0	8.0	0	0
## 3871	8.0	6.0	9.0	0	0
## 3872	7.0	6.0	7.0	0	0
## 3873	6.0	6.0	8.0	0	0
## 3874	5.0	4.0	6.0	0	0
## 3875	4.0	4.0	8.0	0	0
## 3876	5.0	4.0	5.0	0	0
## 3877	4.0	3.0	4.0	0	0
## 3878	5.0	6.0	6.0	0	0
## 3879	4.0	6.0	7.0	0	0
## 3880	6.0	7.0	7.0	0	1
## 3881	6.0	8.0	8.0	0	0
## 3882	7.0	6.0	7.0	0	0
## 3883	6.0	6.0	8.0	0	0
## 3884	3.0	6.0	2.0	0	0
## 3885	4.0	3.0	2.0	0	0
## 3886	5.0	8.0	3.0	0	1
## 3887	8.0	5.0	1.0	0	0
## 3888	8.0	7.0	1.0	0	0
## 3889	1.0	6.0	1.0	0	0
## 3890	6.0	7.0	2.0	0	0
## 3891	4.0	4.0	1.0	0	0
## 3892	9.0	7.0	1.0	0	0
## 3893	4.0	4.0	1.0	0	0
## 3894	5.0	8.0	4.0	1	0
## 3895	4.0	8.0	5.0	0	0
## 3896	3.0	4.0	1.0	0	0
## 3897	9.0	7.0	4.0	0	0

```
## 3898           6.0  8.0           6.0   0        1
## 3899           7.0  6.0           5.0   0        0
## 3900           6.0 10.0          10.0   0        1
## 3901           7.0  9.0           6.0   0        1
## 3902           5.0  5.0           1.0   1        0
## 3903           4.0  4.0           2.0   0        0
## 3904           5.0  8.0           1.0   0        0
## 3905           7.0  9.0          10.0   0        1
## 3906           8.0  6.0           7.0   0        1
## 3907           3.0  5.0           8.0   0        0
## 3908           4.0  4.0           3.0   0        0
## 3909           6.0  6.0           7.0   0        0
## 3910           8.0  7.0           6.0   0        0
## 3911           6.0  8.0           6.0   0        0
## 3912           5.0  5.0           2.0   0        0
## 3913           2.0  4.0           4.0   0        0
## 3914           5.0  6.0           5.0   0        0
## 3915           5.0  5.0           7.0   0        0
## 3916           9.0  7.0           6.0   0        1
## 3917           8.0  6.0           6.0   0        1
## 3918           2.0  2.0           4.0   0        0
## 3919           9.0  8.0           8.0   0        1
## 3920           2.0  4.0           5.0   0        0
## 3921           9.0  9.0           8.0   0        1
## 3922           7.0  8.0           7.0   0        1
## 3923           4.0  5.0           4.0   0        0
## 3924           7.0  6.0           4.0   0        0
## 3925           7.0  8.0           7.0   0        1
## 3926           7.0  7.0           7.0   0        1
## 3927           7.0  6.0           7.0   0        1
## 3928           6.0  5.0           6.0   0        1
## 3929           5.0  5.0           5.0   0        1
## 3930           6.0  6.0           6.0   0        1
## 3931           7.0  6.0           7.0   0        1
## 3932           7.0  8.0           6.0   0        1
## 3934           8.0  7.0           7.0   0        1
## 3935           7.0  6.0           6.0   0        1
## 3936           7.0  5.0           7.0   0        1
## 3937           7.0  7.0           6.0   0        1
## 3938           6.0  5.0           7.0   0        1
## 3939           7.0  6.0           5.0   0        1
## 3940           8.0  7.0           7.0   0        1
## 3941           5.0  5.0           7.0   0        1
## 3942           6.0  9.0           7.0   0        1
## 3943           8.0  8.0           7.0   0        1
## 3944           8.0  8.0           7.0   0        1
## 3945           5.0  6.0           6.0   0        1
## 3946           7.0  7.0           7.0   0        1
## 3947           8.0  8.0           7.0   0        1
## 3948           3.0  5.0           4.0   0        0
## 3949           4.0  5.0           6.0   0        0
## 3950           6.0  5.0           3.0   0        0
## 3951           8.0  8.0           7.0   0        1
## 3952           6.0  5.0           4.0   0        0
```

```
## 3953             5.0   7.0        5.0    0        1
## 3954            10.0  10.0       10.0    0        1
## 3955             6.0   9.0       10.0    0        1
## 3956             8.0   9.0       10.0    0        1
## 3957             6.0   6.0        3.0    0        0
## 3958             8.0   8.0        6.0    0        1
## 3959             7.0   9.0        8.0    0        1
## 3960             4.0   3.0        3.0    0        0
## 3961             3.0   7.0        2.0    0        1
## 3962             4.0   6.0        3.0    0        0
## 3963             7.0   8.0        6.0    0        1
## 3964             8.0   9.0        9.0    0        1
## 3965             5.0   7.0        7.0    0        1
## 3966             8.0   8.0        7.0    0        1
## 3967             6.0   6.0        3.0    0        0
## 3968             6.0   6.0        1.0    0        0
## 3969             6.0   6.0        1.0    0        0
## 3970             6.0   7.0        2.0    0        0
## 3971             6.0   6.0        0.0    0        0
## 3972             6.0   7.0        2.0    0        0
## 3973             8.0   7.0        2.0    0        0
## 3974             6.0   8.0        3.0    0        1
## 3975             6.0   9.0       10.0    1        1
## 3976             6.0   8.0       10.0    1        1
## 3977             7.0   7.0        2.0    1        1
## 3978             6.0   5.0        1.0    0        0
## 3979             3.0   8.0        1.0    0        0
## 3980             6.0   6.0        3.0    0        0
## 3981             3.0   6.0        2.0    0        0
## 3982             6.0   6.0        2.0    0        0
## 3983             6.0   6.0        1.0    0        0
## 3984             6.0   8.0        4.0    0        1
## 3985             2.0   7.0        2.0    0        0
## 3986             7.0   7.0        3.0    0        1
## 3987             6.0   6.0        2.0    0        0
## 3988             6.0   6.0        0.0    0        0
## 3989             8.0   8.0        5.0    0        1
## 3990             3.0   5.0        3.0    0        0
## 3991             3.0   6.0        3.0    0        0
## 3992             2.0   5.0        3.0    0        0
## 3993             3.0   7.0        5.0    0        1
## 3994             6.0   5.0        4.0    0        0
## 3995             6.0   5.0        4.0    0        0
## 3996             5.0   8.0        8.0    1        1
## 3997             5.0   5.0        2.0    0        0
## 3998             2.0   5.0        3.0    0        0
## 3999             2.0   6.0        5.0    0        1
## 4000             2.0   8.0        6.0    0        1
## 4001             2.0   5.0        4.0    0        0
## 4002             8.0   6.0        5.0    0        0
## 4003             3.0   7.0        7.0    0        1
## 4004             6.0   5.0        3.0    0        0
## 4005             6.0   6.0        7.0    0        1
## 4006             2.0   5.0        5.0    0        0
```

```
## 4007                    2.0  5.0        3.0    0        0
## 4008                    2.0  5.0        4.0    0        0
## 4009                    2.0  5.0        2.0    0        0
## 4010                    4.0  3.0        6.0    0        0
## 4011                    4.0  3.0        4.0    0        0
## 4012                    4.0  3.0        6.0    0        0
## 4013                    4.0  2.0        6.0    0        0
## 4014                    6.0  6.0        6.0    0        1
## 4015                    4.0  4.0        4.0    0        0
## 4016                    4.0  4.0        3.0    0        0
## 4017                    2.0  1.0        1.0    0        0
## 4018                    5.0  5.0        3.0    1        1
## 4019                    8.0  4.0        1.0    1        0
## 4020                    4.0  5.0        3.0    0        0
## 4021                    4.0  8.0        4.0    0        0
## 4022                    6.0  6.0        5.0    0        1
## 4023                    3.0  6.0        4.0    0        0
## 4024                    4.0  6.5        6.5    0        1
## 4025                    4.0  4.0        6.0    0        0
## 4026                    6.0  8.0        8.0    0        1
## 4027                    4.0  6.0        3.0    0        1
## 4028                    4.0  5.0        5.0    0        1
## 4029                    3.0  4.0        5.0    0        0
## 4030                    5.0  7.0        3.0    0        0
## 4031                    5.0  5.0        2.0    0        0
## 4032                    2.0  4.0        4.0    0        0
## 4033                    6.0  3.0        1.0    0        0
## 4034                    7.0  6.0        2.0    0        1
## 4035                    6.0  7.0        3.0    0        1
## 4036                    7.0  5.0        2.0    0        0
## 4037                    6.0  9.0        3.0    0        1
## 4038                    6.0  6.0        2.0    1        0
## 4039                    7.0  7.0        5.0    1        1
## 4040                    7.0  7.0        3.0    1        1
## 4041                    4.0  4.0        5.0    0        0
## 4042                    5.0  7.0        3.0    0        1
## 4043                    7.0  8.0        5.0    1        1
## 4044                    3.0  4.0        2.0    0        0
## 4045                    5.0  7.0        1.0    0        0
## 4046                    5.0  4.0        3.0    0        0
## 4047                    7.0  7.0        2.0    0        0
## 4048                    6.0  8.0        5.0    0        1
## 4049                    7.0  8.0        4.0    0        1
## 4050                    5.0  6.0        3.0    0        1
## 4051                    5.0  5.0        2.0    0        0
## 4052                    5.0  8.0        6.0    0        1
## 4053                    4.0  4.0        2.0    0        0
## 4054                    5.0  7.0        4.0    0        1
## 4055                    2.0  6.0        3.0    0        0
## 4056                    2.0  3.0        2.0    0        0
## 4057                    7.0  8.0        6.0    0        1
## 4058                    4.0  7.0        6.0    0        1
## 4059                    8.0  6.0        7.0    0        0
## 4060                    5.0  6.0        2.0    0        0
```

```
## 4061          3.0   5.0          5.0   0          0
## 4062          4.0   8.0          4.0   0          1
## 4063          6.0   8.0          6.0   0          1
## 4064          2.0   4.0          1.0   0          1
## 4065          3.0   5.0          3.0   0          1
## 4066          8.0   9.0          6.0   0          1
## 4067          3.0   3.0          1.0   0          0
## 4068          5.0   8.0          4.0   0          1
## 4069          8.0   9.0          5.0   0          1
## 4070          9.0   8.0          7.0   0          1
## 4071          2.0   4.0          2.0   0          0
## 4072          4.0   6.0          5.0   0          1
## 4073          7.0   7.0          2.0   0          1
## 4074          6.0   7.0          2.0   0          0
## 4075          5.0   7.0          5.0   0          1
## 4076          5.0   5.0          2.0   0          0
## 4077          7.0   7.0          7.0   0          1
## 4078          7.0   7.0          6.0   0          1
## 4079          7.0   8.0          6.0   0          1
## 4080          6.0   7.0          3.0   0          1
## 4081          9.0  10.0          6.0   0          1
## 4082          6.0   7.0          3.0   0          1
## 4083          7.0   7.0          5.0   0          1
## 4084          8.0   8.0          6.0   0          1
## 4085          7.0   7.0          3.0   0          1
## 4086          0.0   7.0          2.0   0          1
## 4087          7.0   7.0          3.0   0          1
## 4088          8.0   8.0          7.0   0          1
## 4089          9.0   9.0          6.0   0          1
## 4090          6.0   7.0          7.0   0          1
## 4091          9.0   8.0          7.0   0          1
## 4092          8.0   8.0          5.0   0          1
## 4093          7.0   8.0          4.0   0          1
## 4094          9.0   9.0          9.0   0          1
## 4095          1.0   1.0          1.0   0          0
## 4096         10.0   9.0          9.0   0          1
## 4097          9.0   9.0          6.0   0          1
## 4098          9.0   6.0          6.0   0          1
## 4099         10.0   9.0          6.0   0          1
## 4100          6.0  10.0          6.0   0          1
## 4101          9.0   9.0          9.0   0          1
## 4102          7.0   6.0          6.0   0          1
## 4103          6.0   8.0          8.0   0          1
## 4104         10.0  10.0         10.0   0          1
## 4105          1.0   1.0          1.0   0          0
## 4106         10.0  10.0         10.0   0          1
## 4107         10.0  10.0         10.0   0          1
## 4108         10.0  10.0         10.0   0          1
## 4109          5.0   1.0          1.0   0          0
## 4110         10.0  10.0         10.0   0          1
## 4111          9.0   6.0          9.0   0          1
## 4112          9.0   6.0          9.0   0          1
## 4113          9.0   9.0          9.0   0          1
## 4114         10.0  10.0          6.0   0          1
```

```
## 4115                6.0  7.0              3.0   0        0
## 4116                6.0  2.0              1.0   0        0
## 4117                6.0  3.0              1.0   0        0
## 4118                6.0  8.0              5.0   0        1
## 4119                7.0  8.0              4.0   0        1
## 4120                7.0  7.0              5.0   0        1
## 4121                6.0  8.0              4.0   0        1
## 4122                6.0  4.0              1.0   0        0
## 4123                6.0  6.0              4.0   0        0
## 4124                6.0  6.0              3.0   0        0
## 4125                6.0  7.0              2.0   0        0
## 4126                6.0  7.0              4.0   0        0
## 4127                6.0  6.0              3.0   0        0
## 4128                6.0  4.0              1.0   0        0
## 4129                6.0  7.0              5.0   0        0
## 4130                6.0  7.0              3.0   0        0
## 4131                6.0  7.0              5.0   0        1
## 4132                6.0  7.0              4.0   0        0
## 4133                6.0  7.0              3.0   0        0
## 4134                6.0  3.0              1.0   0        0
## 4135                6.0  6.0              4.0   0        0
## 4136                4.0  4.5              8.0   0        1
## 4137                4.0  4.5              8.0   0        1
## 4138                8.0  8.0              8.0   0        1
## 4139                3.0  3.0              3.0   0        1
## 4140                6.0  6.0              6.0   0        1
## 4141                8.0  8.0              9.0   0        1
## 4142                7.0  6.5              7.0   0        1
## 4143                9.0  9.0              9.0   0        1
## 4144                6.0  6.0              6.0   0        1
## 4145                6.0  6.0              6.0   0        1
## 4146                7.0  7.0              7.0   0        1
## 4147                6.0  6.0              6.0   0        1
## 4148                7.0  7.0              7.0   0        1
## 4149                7.0  7.0              7.0   0        1
## 4150                7.5  7.5              7.5   0        1
## 4151                6.0  6.0              6.0   0        1
## 4152                8.5  8.5              8.5   0        1
## 4153                8.0  8.0              8.0   0        1
## 4154                6.0  6.0              6.0   0        1
## 4155                6.0  6.0              6.0   0        1
## 4156                8.0  8.0              8.0   0        1
## 4157                6.0  4.0              3.0   0        0
## 4158                6.0  3.0              2.0   0        0
## 4159                6.0  4.0              2.0   0        0
## 4160                7.0  4.0              4.0   0        0
## 4161                8.0  5.0              3.0   0        1
## 4162                6.0  5.0              2.0   0        0
## 4163                8.0  5.0              3.0   0        1
## 4164                6.0  6.0              2.0   0        0
## 4165                8.0  5.0              3.0   0        0
## 4166                9.0  7.0              5.0   0        1
## 4167                6.0  4.0              3.0   0        0
## 4168                8.0  5.0              5.0   0        1
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## 4169              6.0   5.0              3.0   0        0
## 4170              4.0   4.0              3.0   0        1
## 4171              9.0   5.0              4.0   0        1
## 4172              6.0   4.0              3.0   0        0
## 4173              6.0   4.0              4.0   0        1
## 4174              6.0   5.0              4.0   0        0
## 4175              6.0   6.0              4.0   0        1
## 4176              6.0   6.0              5.0   0        1
## 4177              6.0   7.0              5.0   0        1
## 4178              6.0   6.0              6.0   0        1
## 4179              6.0   4.0              5.0   0        0
## 4180              9.0   8.0              8.0   0        1
## 4181              9.0   7.0              6.0   0        1
## 4182              5.0   6.0              6.0   0        1
## 4183              6.0   7.0              6.0   0        1
## 4184              4.0   5.0              5.0   0        1
## 4185              4.0   5.0              5.0   0        0
## 4186              6.0   7.0              6.0   0        1
## 4187              7.0   4.0              5.0   0        0
## 4188              6.0   6.0              7.0   0        1
## 4189              6.0   6.0              7.0   0        0
## 4190             10.0   9.0              8.0   0        1
## 4191              6.0   6.0              7.0   0        1
## 4192              6.0   6.0              6.0   0        1
## 4193             10.0   9.0              8.0   0        1
## 4194              9.0   9.0              7.0   0        1
## 4195              7.0   8.0              7.0   0        1
## 4196              6.0   6.0              5.0   0        1
## 4197              7.0   8.5              7.0   0        1
## 4198              6.0   8.0              6.0   0        1
## 4199              5.0   5.0              3.0   0        0
## 4200              5.0   4.0              2.0   0        0
## 4201              5.0   5.0              5.0   0        0
## 4202              5.0   5.0              5.0   0        0
## 4203              5.0   6.0              3.0   0        1
## 4204              5.0   5.0              2.0   0        0
## 4205              5.0   4.0              2.0   0        0
## 4206              5.0   4.0              3.0   0        0
## 4207              5.0   5.0              3.0   0        0
## 4208              5.0   5.0              3.0   0        0
## 4209              5.0   6.0              4.0   0        0
## 4210              7.0   7.0              4.0   0        1
## 4211              5.0   4.0              3.0   0        0
## 4212              3.0   3.0              3.0   0        0
## 4213              5.0   6.0              3.0   0        1
## 4214              3.0   4.0              3.0   0        0
## 4215              5.0   6.0              4.0   0        1
## 4216              5.0   6.0              3.0   0        1
## 4217              3.0   5.0              3.0   0        0
## 4218              3.0   3.0              3.0   0        0
## 4219              4.0   4.0              3.0   0        0
## 4220              2.0   5.0              3.0   0        0
## 4221              2.0   3.0              2.0   0        0
## 4222              5.0   8.0              5.0   0        1
```

```
## 4223                     3.0  4.0           3.0   0        0
## 4224                     7.0  7.0           6.0   0        1
## 4225                     5.0  7.0           5.0   0        1
## 4226                     2.0  6.0           3.0   0        0
## 4227                     5.0  5.0           3.0   0        0
## 4228                     2.0  4.0           2.0   0        0
## 4229                     2.0  3.0           1.0   0        0
## 4230                     8.0  8.0           7.0   0        1
## 4231                     7.0  8.0           6.0   0        1
## 4232                     7.0  7.0           4.0   0        1
## 4233                     2.0  3.0           1.0   0        0
## 4234                     6.0  8.0           7.0   0        1
## 4235                     3.0  5.0           3.0   0        0
## 4236                     8.0  8.0           3.0   0        1
## 4237                     9.0  9.0           6.0   0        1
## 4238                     5.0  5.0           3.0   0        0
## 4239                     1.0  2.0           1.0   0        0
## 4240                     2.0  4.0           2.0   0        0
## 4241                     4.0  3.0           3.0   0        0
## 4242                     4.0  4.0           3.0   0        0
## 4243                     4.0  4.0           4.0   0        0
## 4244                     5.0  4.0           4.0   0        0
## 4245                     8.0  7.0           5.0   1        1
## 4246                     6.0  5.0           4.0   0        1
## 4247                     4.0  6.0           5.0   0        1
## 4248                     8.0  3.0           3.0   1        0
## 4249                     5.0  6.0           4.0   1        0
## 4250                     3.0  4.0           3.0   0        0
## 4251                     3.0  3.0           3.0   0        0
## 4252                     8.0  7.0           5.0   0        1
## 4253                     4.0  3.0           2.0   0        0
## 4254                     4.0  3.0           2.0   0        0
## 4255                     8.0  6.0           4.0   0        1
## 4256                     3.0  3.0           3.0   0        0
## 4257                     7.0  8.0           7.0   0        1
## 4258                     5.0  6.0           4.0   0        1
## 4259                     6.0  3.0           3.0   0        0
## 4260                     4.0  4.0           4.0   0        0
## 4261                     3.0  6.0           5.0   0        0
## 4262                     7.0  7.0           6.0   0        1
## 4263                     6.0  7.0           7.0   0        1
## 4264                     7.0  7.0           6.0   0        1
## 4265                     6.0  6.0           6.0   0        1
## 4266                     6.0  6.0           7.0   0        1
## 4267                     6.0  6.0           5.0   0        1
## 4268                     6.0  6.0           5.0   0        1
## 4269                     6.0  6.0           5.0   0        1
## 4270                     7.0  6.0           7.0   0        1
## 4271                     6.0  6.0           6.0   1        1
## 4272                     6.0  5.0           7.0   0        1
## 4273                     6.0  6.0           6.0   0        1
## 4274                     6.0  5.0           5.0   0        1
## 4275                     6.0  5.0           5.0   0        0
## 4276                     8.0  7.0           7.0   0        1
```

```
## 4277          6.0  7.0          7.0  0        1
## 4278          8.0  8.0          7.0  0        1
## 4279          7.0  7.0          7.0  0        1
## 4280          6.0  7.0          5.0  0        1
## 4281          6.0  6.0          5.0  0        1
## 4282          7.0  7.0          6.0  0        1
## 4283          5.0  7.0          7.0  0        0
## 4284          7.0  8.0          6.0  0        1
## 4285          4.0  5.0          4.0  0        0
## 4286          4.0  5.0          4.0  0        0
## 4287          4.0  6.0          5.0  0        1
## 4288          5.0  8.0          7.0  0        1
## 4289          7.0  9.0          7.0  0        1
## 4290          4.0  5.0          4.0  0        0
## 4291          4.0  7.0          6.0  0        0
## 4292          4.0  5.0          4.0  0        0
## 4293          4.0  5.0          5.0  0        0
## 4294          6.0  7.0          7.0  0        1
## 4295          4.0  7.0          7.0  0        1
## 4296          3.0  4.0          4.0  0        0
## 4297          4.0  7.0          8.0  0        1
## 4298          4.0  3.0          4.0  0        0
## 4299          6.0  7.0          5.0  0        1
## 4300          5.0  5.0          7.0  0        0
## 4301          4.0  5.0          4.0  0        0
## 4302          6.0  7.0          7.0  0        0
## 4303          7.0  7.0          8.0  0        1
## 4304          8.0  8.0          8.0  0        1
## 4305          8.0  6.0          6.0  0        0
## 4306          6.0  6.0          6.0  0        0
## 4307          4.0  5.0          4.0  0        0
## 4308          4.0  6.0          5.0  0        0
## 4309          5.0  6.0          7.0  0        0
## 4310          7.0  6.0          7.0  0        0
## 4311          4.0  4.0          4.0  0        0
## 4312          4.0  4.0          5.0  0        0
## 4313          5.0  5.0          5.0  0        0
## 4314          3.0  3.0          4.0  0        0
## 4315          5.0  6.0          6.0  0        0
## 4316          3.0  5.0          5.0  0        0
## 4317          2.0  3.0          3.0  0        0
## 4318          3.0  5.0          5.0  0        0
## 4319          6.0  6.0          6.0  0        0
## 4320          7.0  8.0          7.0  0        1
## 4321          6.0  7.0          6.0  0        1
## 4322          5.0  5.0          4.0  0        0
## 4323          7.0  7.0          7.0  0        1
## 4324          6.0  7.0          7.0  0        1
## 4325          6.0  9.0          6.0  0        0
## 4326          7.0  7.0          3.0  0        0
## 4327          3.0  4.0          2.0  0        0
## 4328          2.0  6.0          1.0  0        0
## 4329          7.0  8.0          4.0  0        0
## 4330          8.0  8.0          5.0  0        0
```

```
## 4331               8.0  8.0          2.0    0        0
## 4332               6.0  7.0          6.0    0        0
## 4333               8.0  8.0          6.0    0        1
## 4334               5.0  7.0          5.0    0        0
## 4335               5.0  7.0          2.0    0        0
## 4336               7.0  5.0          1.0    0        0
## 4337               9.0  6.0          2.0    0        0
## 4338               1.0  3.0          1.0    0        0
## 4339               6.0  7.0          4.0    0        0
## 4340               6.0  6.0          6.0    0        1
## 4341               6.0  6.0          7.0    0        1
## 4342               6.0  7.0          5.0    0        1
## 4343               7.0  6.0          6.0    0        0
## 4344               9.0  8.0          7.0    0        1
## 4345               6.0  6.0          6.0    0        0
## 4346               6.0  7.0          7.0    0        0
## 4347               6.0  6.0          6.0    0        0
## 4348               6.0  8.0          6.0    0        1
## 4349               8.0  8.0          5.0    0        0
## 4350               6.0  5.0          6.0    0        0
## 4351               6.0  7.0          5.0    0        0
## 4352               6.0  6.0          6.0    0        1
## 4353               4.0  3.0          1.0    0        0
## 4354               5.0  6.0          1.0    0        0
## 4355               3.0  2.0          1.0    0        0
## 4356               5.0  2.0          1.0    0        0
## 4357               5.0  6.0          5.0    0        0
## 4358               8.0  8.0          1.0    0        1
## 4359               2.0  2.0          1.0    0        0
## 4360               5.0  6.0          5.0    0        1
## 4361               8.0  8.0          8.0    0        1
## 4362               8.0  8.0          7.0    0        1
## 4363               8.0  6.0          6.0    0        0
## 4364               5.0  6.0          8.0    0        1
## 4365               5.0  5.0          3.0    0        0
## 4366               7.0  8.0          8.0    0        1
## 4367               8.0  6.0          8.0    0        1
## 4368               8.0  7.0          9.0    0        1
## 4369               7.0  7.0          8.0    0        1
## 4370               8.0  5.0          8.0    0        0
## 4371               6.0  5.0          7.0    0        0
## 4372               7.0  7.0          8.0    0        0
## 4373               6.0  7.0          6.0    0        0
## 4374               5.0  4.0          5.0    0        0
## 4375               7.0  7.0          8.0    0        1
## 4376               8.0  7.0          7.0    0        1
## 4377               9.0  6.0          8.0    0        0
## 4378              10.0  7.0         10.0    0        1
## 4379               7.0  4.0          7.0    0        0
## 4380               5.0  6.0          8.0    0        0
## 4381               6.0  6.0          6.0    0        0
## 4382               5.0  8.0          7.0    0        1
## 4383               6.0  7.0          7.0    0        0
## 4384               8.0  9.0          7.0    0        1
```

```
## 4385                    7.0   8.0          7.0    0       1
## 4386                    8.0   8.0          7.0    0       1
## 4387                    6.0   6.0          6.0    0       0
## 4388                    8.0   8.0          8.0    0       0
## 4389                    9.0   9.0          7.0    0       1
## 4390                    5.0   7.0          6.0    0       1
## 4391                    5.0   6.0          6.0    0       0
## 4392                    8.0   7.0          7.0    0       0
## 4393                    5.0   6.0          6.0    0       0
## 4394                    7.0   7.0          7.0    0       1
## 4395                    5.0   9.0          8.0    0       0
## 4396                    7.0   7.0          5.0    0       0
## 4397                    8.0   8.0          3.0    0       0
## 4398                    9.0   9.0          8.0    0       1
## 4399                   10.0   8.0          7.0    0       1
## 4400                    7.0   8.0          6.0    0       1
## 4401                    7.0   8.0          7.0    0       0
## 4402                    4.0   8.0          6.0    0       0
## 4403                    8.0   9.0          8.0    0       1
## 4404                    8.0   9.0          8.0    0       0
## 4405                    6.0   7.0          6.0    0       0
## 4406                    8.0   8.0          7.0    0       0
## 4407                    4.0   6.0          5.0    0       0
## 4408                    2.0   4.0          3.0    0       0
## 4409                    8.0   7.0         10.0    1       0
## 4410                    9.0  10.0          9.0    0       1
## 4411                    2.0   4.0          8.0    0       0
## 4412                    9.0   9.0          8.0    0       0
## 4413                   10.0   9.0          9.0    0       1
## 4414                    9.0  10.0          9.0    0       1
## 4415                    2.0   3.0          2.0    0       0
## 4416                    7.0   8.0          9.0    0       1
## 4417                   10.0   9.0          9.0    0       1
## 4418                    9.0  10.0          9.0    0       1
## 4419                    6.0   6.0         10.0    0       0
## 4420                   10.0   9.0          9.0    0       1
## 4421                    9.0   8.0          8.0    0       0
## 4422                    9.0   7.0          9.0    0       0
## 4423                    2.0   5.0          5.0    0       0
## 4424                    6.0   6.0          5.0    0       1
## 4425                    2.0   2.0          2.0    0       0
## 4426                    6.0   7.0          6.0    0       1
## 4427                    6.0   3.0          4.0    0       0
## 4428                    6.0   8.0          6.0    0       1
## 4429                    6.0   5.0          4.0    0       0
## 4430                    5.0   5.0          4.0    0       0
## 4431                    4.0   7.0          5.0    0       0
## 4432                    5.0   8.0          5.0    0       1
## 4433                    2.0   6.0          6.0    0       1
## 4434                    6.0   4.0          5.0    0       0
## 4435                    5.0   5.0          5.0    0       0
## 4436                    6.0   7.0          6.0    0       1
## 4437                    5.0   5.0          7.0    0       0
## 4438                    6.0   4.0          4.0    0       0
```

```
## 4439            6.0  2.0          5.0    0        0
## 4440            7.0  7.0          8.0    0        1
## 4441           10.0 10.0         10.0    0        1
## 4442            8.0  5.0          7.0    0        0
## 4443            6.0  4.0          5.0    0        0
## 4444            5.0  7.0          8.0    0        1
## 4445            6.0  7.0          6.0    0        1
## 4446            6.0  6.0          6.0    0        0
## 4447            6.0  4.0          5.0    0        0
## 4448            6.0  3.0          6.0    0        0
## 4449            6.0  4.0          7.0    0        0
## 4450            6.0  5.0          5.0    0        0
## 4451            6.0  6.0          8.0    0        0
## 4452            7.0  7.0          8.0    0        0
## 4453            2.0  4.0          6.0    0        0
## 4454            6.0  7.0          6.0    0        0
## 4455            7.0  7.0          8.0    0        0
## 4456            7.0  8.0          8.0    0        1
## 4457            6.0  7.0          7.0    0        0
## 4458            5.0  5.0          6.0    0        0
## 4459            5.0  7.0          7.0    0        0
## 4460            7.0  7.0          5.0    0        0
## 4461            5.0  6.0          8.0    0        0
## 4462            4.0  4.0          7.0    0        0
## 4463            7.0  6.0          8.0    0        0
## 4464            5.0  6.0          7.0    0        0
## 4465            0.0  5.0          2.0    0        0
## 4466            4.0  5.0          5.0    0        0
## 4467            0.0  3.0          3.0    0        0
## 4468            5.0  5.0          5.0    0        0
## 4469            5.0  5.0          5.0    0        0
## 4470            5.0  6.0          5.0    0        0
## 4471            4.0  6.0          5.0    0        0
## 4472            2.0  6.0          5.0    0        0
## 4473            5.0  6.0          5.0    0        0
## 4474            8.0  9.0          5.0    0        1
## 4475            2.0  6.0          5.0    0        0
## 4476            0.0  5.0          4.0    0        0
## 4477            3.0  5.0          5.0    0        0
## 4478            0.0  4.0          5.0    0        0
## 4479            6.0  7.0          8.0    1        0
## 4480            7.0  8.0          8.0    0        1
## 4481            5.0  7.0          7.0    0        1
## 4482            7.0  8.0          7.0    0        1
## 4483            8.0  8.0          7.0    0        1
## 4484            6.0  7.0          6.0    0        0
## 4485            6.0  7.0          7.0    0        1
## 4486            8.0  8.0          7.0    0        1
## 4487            7.0  6.0          6.0    0        0
## 4488            3.0  7.0          7.0    0        0
## 4489            8.0  5.0          6.0    0        0
## 4490            6.0  6.0          7.0    0        0
## 4491            5.0  6.0          6.0    0        0
## 4492            5.0  6.0          6.0    0        1
```

```
## 4493        9.0  8.0      5.0   1       0
## 4494        6.0  8.0      6.0   0       1
## 4495        5.0  6.0      5.0   0       0
## 4496        6.0  8.0      6.0   0       1
## 4497        6.0  7.0      6.0   0       1
## 4498        6.0  7.0      6.0   0       1
## 4499        6.0  6.0      7.0   0       0
## 4500        6.0  8.0      7.0   0       1
## 4501        6.0  7.0      6.0   0       1
## 4502        6.0  8.0      6.0   0       1
## 4503        6.0  5.0      5.0   0       0
## 4504        5.0  5.0      5.0   0       0
## 4505        5.0  5.0      5.0   0       0
## 4506        4.0  6.0      6.0   0       0
## 4507        4.0  6.0      5.0   0       0
## 4508        5.0  6.0      3.0   0       0
## 4509        3.0  4.0      3.0   0       0
## 4510        5.5  7.0      5.0   0       1
## 4511        7.0  8.0      6.0   0       1
## 4512        8.0  9.0      7.0   0       1
## 4513        4.0  6.0      4.0   0       0
## 4514        6.5  6.0      5.0   0       0
## 4515        7.0  7.0      5.0   0       1
## 4516        7.0  7.0      6.0   0       1
## 4517        5.0  5.0      4.0   0       0
## 4518        5.0  6.0      6.0   0       0
## 4519        4.0  5.0      4.0   0       0
## 4520        5.0  7.0      3.0   0       0
## 4521        8.0  9.0      6.0   0       1
## 4522        7.0  9.0      5.0   0       1
## 4523        7.0  8.0      4.0   0       1
## 4524        7.0  9.0      4.0   0       1
## 4525        7.0  9.0      5.0   0       1
## 4526        8.0  9.0      6.0   0       1
## 4527        7.0  7.0      5.0   1       0
## 4528        8.0  8.0      2.0   0       0
## 4529        7.0  9.0      5.0   0       0
## 4530        6.0  8.0      2.0   0       0
## 4531        7.0  8.0      4.0   0       0
## 4532        7.0  8.0      5.0   1       0
## 4533        7.0  9.0      6.0   1       0
## 4534        7.0  9.0      5.0   0       1
## 4535        6.0  8.0      3.0   0       0
## 4536        6.0  8.0      4.0   0       0
## 4537        4.0  5.0      8.0   0       0
## 4538        8.0  8.0      4.0   0       0
## 4539        4.0  8.0      3.0   0       0
## 4540        6.0  7.0      3.0   0       0
## 4541        6.0  8.0      6.0   0       0
## 4542        7.0  8.0      8.0   0       1
## 4543        0.0  3.0      2.0   0       0
## 4544        6.0  8.0      9.0   0       1
## 4545        4.0  8.0      2.0   0       0
## 4546        5.0  8.0      5.0   0       1
```

```
## 4547              6.0  8.0        4.0   0        0
## 4548              6.0  8.0        8.0   0        1
## 4549              5.0  7.0        6.0   0        0
## 4550              4.0  6.0        5.0   0        0
## 4551              6.0  5.0        5.0   0        0
## 4552              6.0  8.0        7.0   0        1
## 4553              4.0  5.0        5.0   0        0
## 4554              5.0  5.0        4.0   0        0
## 4555              4.0  5.0        4.0   0        0
## 4556              4.0  7.0        6.0   0        1
## 4557              4.0  4.0        4.0   0        0
## 4558              5.0  6.0        4.0   0        0
## 4559              5.0  7.0        6.0   0        1
## 4560              4.0  6.0        5.0   0        0
## 4561              3.0  6.0        5.0   0        0
## 4562              5.0  8.0        7.0   0        1
## 4563              5.0  7.0        5.0   0        0
## 4564              8.0  6.0        6.0   0        0
## 4565              6.0  7.0        7.0   0        0
## 4566              8.0  7.0        6.0   0        1
## 4567              6.0  7.0        4.0   0        0
## 4568              5.0  6.0       10.0   0        0
## 4569              7.0  5.0        4.0   0        0
## 4570              8.0  6.0       10.0   0        1
## 4571              8.0  3.0        0.0   0        0
## 4572              8.0  8.0        7.0   0        1
## 4573              5.0  6.0        9.0   0        1
## 4574              7.0  6.0       10.0   0        0
## 4575              7.0  7.0        8.0   0        0
## 4576              6.0  7.0        8.0   0        0
## 4577              8.0  8.0        7.0   0        1
## 4578              2.0  3.0        5.0   0        0
## 4579              2.0  4.0        5.0   0        0
## 4580              2.0  5.0        6.0   0        0
## 4581              4.0  5.0        6.0   0        0
## 4582              3.0  5.0        7.0   0        0
## 4583              2.0  3.0        5.0   0        0
## 4584              3.0  4.0        3.0   0        0
## 4585              8.0  6.0       10.0   0        0
## 4586              9.0  9.0        6.0   0        1
## 4587              3.0  6.0        6.0   0        0
## 4588              5.0  5.0        5.0   0        0
## 4589              2.0  5.0        6.0   0        0
## 4590              6.0  7.0        7.0   0        1
## 4591              8.0  6.0        7.0   0        0
## 4592              9.0  7.0        7.0   0        0
## 4593              4.0  4.0        6.0   0        0
## 4594              6.0  7.0        8.0   0        1
## 4595              5.0  7.0        7.0   0        0
## 4596              4.0  5.0        4.0   0        0
## 4597              6.0  6.0        7.0   0        0
## 4598              5.0  8.0        8.0   0        0
## 4599              5.0  4.0        7.0   0        0
## 4600              6.0  9.0        6.0   0        1
```

```
## 4601            6.0  7.0         7.0    0        0
## 4602            4.0  5.0         5.0    0        0
## 4603            4.0  4.0         5.0    0        0
## 4604            8.0  8.0         7.0    0        0
## 4605            6.0  6.0         6.0    0        1
## 4606            4.0  5.0         6.0    0        0
## 4607            5.0  5.0         6.0    0        0
## 4608            5.0  7.0         5.0    0        1
## 4609            4.0  4.0         4.0    0        0
## 4610            4.0  5.0         5.0    0        0
## 4611            4.0  4.0         4.0    0        0
## 4612            6.0  6.0         6.0    0        1
## 4613            6.0  6.0         5.0    0        0
## 4614            6.0  7.0         6.0    0        1
## 4615            5.0  6.0         5.0    0        0
## 4616            5.0  6.0         6.0    0        0
## 4617            6.0  8.0         7.0    0        1
## 4618            6.0  7.0         6.0    0        1
## 4619            7.0  9.0         5.0    0        1
## 4620            3.0  6.0         4.0    0        1
## 4621            4.0  8.0         3.0    0        0
## 4622            4.0  6.0         4.0    0        0
## 4623            5.0  7.0         5.0    0        1
## 4624            4.0  7.0         5.0    0        1
## 4625            3.0  6.0         6.0    0        0
## 4626            3.0  6.0         3.0    0        0
## 4627            2.0  4.0         1.0    0        0
## 4628            3.0  6.0         4.0    0        0
## 4629            3.0  6.0         4.0    0        0
## 4630            5.0  7.0         6.0    0        1
## 4631            2.0  7.0         6.0    0        1
## 4632            4.0  8.0         7.0    0        1
## 4633            6.0  7.0         6.0    0        1
## 4634            3.0  4.0         3.0    0        0
## 4635            5.0  6.0         6.0    0        1
## 4636            5.0  6.0         5.0    0        1
## 4637            3.0  3.0         3.0    0        0
## 4638            5.0  7.0         7.0    0        1
## 4639            8.0  6.0         7.0    0        1
## 4640            3.0  3.0         2.0    0        0
## 4641            6.0  5.0         5.0    0        0
## 4642            3.0  4.0         4.0    0        0
## 4643            6.0  8.0         5.0    0        1
## 4644            3.0  3.0         2.0    0        0
## 4645            2.0  2.0         2.0    0        0
## 4646            4.0  6.0         3.0    0        1
## 4647            7.0  8.0         7.0    0        1
## 4648            4.0  5.0         6.0    0        0
## 4649            6.0  7.0         7.0    0        1
## 4650            4.0  5.0         5.0    0        0
## 4651            2.0  4.0         7.0    0        0
## 4652            4.0  6.0         8.0    0        0
## 4653            5.0  6.0         6.0    0        0
## 4654            5.0  6.0         8.0    0        0
```

```
## 4655           4.0  5.0        7.0   0        0
## 4656           9.0  7.0        7.0   0        1
## 4657           7.0  8.0        6.0   0        1
## 4658           5.0  7.0        9.0   0        1
## 4659           5.0  6.0        7.0   0        0
## 4660           9.0  7.0        7.0   0        1
## 4661           5.0  6.0        3.0   0        1
## 4662           7.0  7.0        1.0   0        0
## 4663           6.0  8.0        1.0   0        1
## 4664           5.0  8.0        1.0   0        1
## 4665           5.0  6.0        1.0   0        1
## 4666           5.0  5.0        1.0   0        1
## 4667           5.0  7.0        1.0   0        1
## 4668           6.0  7.0        1.0   0        0
## 4669           4.0  5.0        1.0   0        0
## 4670           5.0  6.0        1.0   0        1
## 4671           3.0  5.0        1.0   0        0
## 4672           4.0  5.0        2.0   0        0
## 4673           4.0  6.0        3.0   0        0
## 4674           3.0  6.0        2.0   0        0
## 4675           8.0  8.0        7.0   0        1
## 4676           7.0  6.0        6.0   0        0
## 4677           8.0  8.0        7.0   0        1
## 4678           8.0  9.0        9.0   0        1
## 4679           5.0  6.0        7.0   0        0
## 4680           9.0  8.0        8.0   0        1
## 4681           8.0  7.0        7.0   0        1
## 4682          10.0  6.0        5.0   0        0
## 4683           5.0  6.0        5.0   0        0
## 4684          10.0  8.0        5.0   0        1
## 4685           8.0  7.0        7.0   0        0
## 4686           6.0  7.0        7.0   0        0
## 4687           5.0  7.0        7.0   0        0
## 4688           6.0  8.0        6.0   0        1
## 4689           6.0  7.0        5.0   0        1
## 4690           6.0  3.0        2.0   0        0
## 4691           6.0  6.0        1.0   0        0
## 4692           6.0  8.0        1.0   0        0
## 4693           6.0  8.0        5.0   0        0
## 4694           6.0  6.0        1.0   0        0
## 4695           6.0  3.0        1.0   0        0
## 4696           6.0  5.0        1.0   0        0
## 4697           6.0  9.0        5.0   0        0
## 4698           6.0  5.0        2.0   0        0
## 4699           6.0  5.0        3.0   0        0
## 4700           6.0  5.0        1.0   0        0
## 4701           6.0  5.0        1.0   0        0
## 4702           6.0  5.0        2.0   0        0
## 4703           5.0  6.0        5.0   0        0
## 4704           4.0  4.0        5.0   0        0
## 4705           6.0  5.0        5.0   0        0
## 4706           6.0  6.0        5.0   0        0
## 4707           5.0  5.0        5.0   0        0
## 4708           5.0  5.0        5.0   0        0
```

```
## 4709          5.0  4.0        5.0    0         0
## 4710          5.0  7.0        5.0    0         0
## 4711          7.0  6.0        5.0    0         0
## 4712          6.0  6.0        5.0    0         0
## 4713          5.0  4.0        5.0    0         0
## 4714          5.0  5.0        5.0    0         0
## 4715          6.0  6.0        5.0    0         0
## 4716          7.0  7.0        5.0    0         0
## 4717         10.0 10.0        5.0    1         0
## 4718          8.0 10.0        5.0    0         1
## 4719         10.0 10.0        5.0    0         0
## 4720          6.0  8.0        2.0    0         0
## 4721          6.0  8.0        5.0    0         0
## 4722          8.0  9.0        5.0    0         1
## 4723          6.0  8.0        2.0    0         0
## 4724          6.0  6.0        7.0    0         1
## 4725          6.0  7.0        5.0    0         1
## 4726          6.0  7.0        5.0    0         1
## 4728          6.0  6.0        5.0    0         0
## 4729          8.0  6.0        5.0    0         0
## 4730          6.0  6.0        5.0    0         0
## 4731          1.0  3.0        5.0    0         1
## 4732          3.0  7.0        4.0    0         1
## 4733          2.0  7.0        3.0    0         1
## 4734          1.0  1.0        6.0    0         1
## 4735          2.0  2.0        8.0    0         1
## 4736          1.0  3.0        6.0    0         1
## 4737          2.0  2.0        4.0    0         1
## 4738          5.0  5.0        5.0    0         1
## 4739          5.0  7.0        5.0    0         1
## 4740          5.0  6.0        5.0    0         1
## 4741          5.0  8.0        5.0    0         1
## 4742          5.0  5.0        4.0    0         1
## 4743          7.0  5.0        5.0    0         1
## 4744          5.0  4.0        4.0    0         1
## 4745          9.0  8.0        9.0    0         1
## 4746          7.0  9.0        6.0    0         1
## 4747          6.0  8.0        8.0    0         1
## 4748          6.0  7.0        6.0    0         1
## 4749          9.0  9.0        8.0    0         1
## 4750          7.0  8.0        8.0    0         1
## 4751          6.0  7.0        7.0    0         1
## 4752          2.0  8.0        1.0    0         0
## 4753         10.0 10.0        1.0    0         0
## 4754          8.0  8.0        5.0    0         0
## 4755          8.0  6.0        1.0    0         0
## 4756          5.0 10.0        1.0    0         0
## 4757          8.0  8.0        3.0    0         0
## 4758          3.0  8.0        3.0    0         0
## 4759          6.0  8.0        4.0    0         0
## 4760          8.0  9.0        7.0    0         1
## 4761          5.0  8.0        5.0    0         0
## 4762          8.0  6.0        7.0    0         1
## 4763          8.0 10.0        6.0    0         0
```

```
## 4764         6.0 10.0      7.0   0      0
## 4765         5.0  5.0      5.0   0      0
## 4766         6.0  6.0      3.0   0      0
## 4767         6.0  7.0      3.0   0      0
## 4768         6.0  7.0      5.0   0      0
## 4769         6.0  7.0      5.0   0      1
## 4770         6.0  8.0      6.0   0      1
## 4771         3.0  7.0      4.0   0      0
## 4772         2.0  4.0      2.0   0      0
## 4773         2.0  4.0      8.0   0      0
## 4774         7.0  8.5     10.0   0      1
## 4775         6.0  6.0      6.0   0      0
## 4776         6.0  6.0      9.0   0      0
## 4777         4.0  5.0      8.0   0      0
## 4778         2.0  4.0      7.0   0      0
## 4779         2.0  5.0      9.0   0      0
## 4780         3.0  5.0      5.0   0      0
## 4781         4.0  7.0      7.0   0      1
## 4782         7.0  6.0      7.0   0      1
## 4783         5.0  6.0      7.0   0      1
## 4784         2.0  4.0      5.0   0      0
## 4785         5.0  5.0      7.0   0      0
## 4786         3.0  3.0      2.0   0      0
## 4787         7.0  7.0      1.0   1      0
## 4788         8.0  8.0      7.0   0      1
## 4789        10.0 10.0     10.0   0      1
## 4790         8.0  7.0      5.0   0      0
## 4791         8.0  6.0      2.0   0      0
## 4792         9.0  9.0     10.0   0      1
## 4793         9.0 10.0     10.0   0      1
## 4794         5.0  4.0      1.0   0      0
## 4795         6.0  5.0      5.0   0      0
## 4796         5.0  5.0      1.0   0      0
## 4797         4.0  7.0      5.0   0      0
## 4798         7.0  8.0      6.0   0      1
## 4799         6.0  8.0      7.0   0      0
## 4800         6.0  8.0      6.0   0      0
## 4801         3.0  5.0      5.0   0      0
## 4802         8.0  8.0      7.0   0      1
## 4803         7.0  7.0      5.0   0      0
## 4804         3.0  5.0      6.0   0      0
## 4805         7.0  9.0      9.0   0      1
## 4806         5.0  4.0      3.0   0      0
## 4807         6.0  6.0      7.0   0      0
## 4808         7.0  7.0      7.0   0      0
## 4809         6.0  6.0      7.0   0      0
## 4810         7.0  8.0      8.0   0      0
## 4811         7.0  6.0      7.0   0      0
## 4812         6.0  8.0      6.0   0      1
## 4813         8.0  8.0      7.0   0      1
## 4814         5.0  6.0      6.0   0      0
## 4815         7.0  8.0      8.0   0      1
## 4816         7.0  5.0      8.0   0      0
## 4817         6.0  3.0      1.0   0      0
```

```
## 4818                   5.0   8.0             6.0    0       1
## 4819                   7.0   7.0             5.0    0       1
## 4820                   6.0   5.0             4.0    0       0
## 4821                   3.0   4.0             1.0    0       0
## 4822                   7.0   6.0             5.0    0       1
## 4823                   6.0   6.0             4.0    0       0
## 4824                   5.0   6.0             6.0    0       0
## 4825                   8.0   7.0             5.0    0       1
## 4826                   6.0   3.0             1.0    0       0
## 4827                   1.0   2.0             1.0    0       0
## 4828                   2.0   3.0             1.0    0       0
## 4829                   8.0   7.0             3.0    0       1
## 4830                   6.0   4.0             3.0    0       0
## 4831                   6.0   2.0             4.0    0       0
## 4832                   5.0   8.0             4.0    0       1
## 4833                   2.0   2.0             1.0    0       0
## 4834                   1.0   1.0             1.0    0       0
## 4835                   1.0   4.0             1.0    0       0
## 4836                   2.0   2.0             1.0    0       0
## 4837                   6.0   8.0             7.0    0       1
## 4838                   8.0   8.0             6.0    0       1
## 4839                   5.0   5.0             5.0    0       0
## 4840                   9.0   9.0             6.0    0       1
## 4841                   7.0   6.0             6.0    0       1
## 4842                   8.0  10.0             8.0    0       1
## 4843                   6.0   6.0             5.0    0       1
## 4844                   6.0   6.0             6.0    0       1
## 4845                   6.0   6.0             5.0    0       1
## 4846                   6.0   6.0             6.0    0       0
## 4847                   5.0   5.0             5.0    0       0
## 4848                   5.0   6.0             6.0    0       0
## 4849                   5.0   4.0             4.0    0       0
## 4850                   7.0   6.0             6.0    0       1
## 4851                   8.0   7.0             7.0    0       1
## 4852                   7.0   6.0             7.0    0       1
## 4853                   7.0   7.0             5.0    0       1
## 4854                   6.0   7.0             6.0    0       1
## 4855                   6.0   7.0             5.0    0       1
## 4856                   6.0   6.0             5.0    0       1
## 4857                   1.0   5.0             4.0    0       0
## 4858                   8.0   5.0             6.0    0       0
## 4859                   4.0   6.0             8.0    0       0
## 4860                   4.0   6.0             8.0    0       0
## 4861                   6.0   6.0             4.0    0       0
## 4862                  10.0   8.0             8.0    0       1
## 4863                   7.0   8.0             8.0    0       1
## 4864                   6.0   6.0             6.0    0       1
## 4866                   5.0   8.0             2.0    0       0
## 4867                   5.0   5.0             3.0    0       1
## 4869                   8.0   6.0             8.0    0       0
## 4870                   6.0   8.0             8.0    0       0
## 4871                   6.0   7.0             7.0    0       1
## 4872                   6.0   5.0             6.0    0       0
## 4873                   6.0   4.0             6.0    0       0
```

```
## 4874          8.0  6.0          8.0     0          0
## 4875          6.0  4.0          3.0     0          0
## 4876          6.0  5.0          3.0     0          1
## 4877          6.0  4.0          5.0     0          0
## 4878          0.0  5.0          5.0     0          0
## 4879          6.0  5.0          4.0     0          0
## 4880          6.0  6.0          4.0     0          1
## 4881          6.0  8.0          7.0     0          1
## 4882          6.0  8.0          8.0     0          1
## 4883          6.0  6.0          6.0     0          0
## 4884          8.0  8.0          5.0     0          1
## 4885          6.0  7.0          6.0     0          1
## 4886          6.0  6.0          4.0     0          0
## 4888          6.0  3.0          4.0     0          0
## 4889          6.0  7.0          3.0     0          1
## 4890          6.0  7.0          6.0     0          1
## 4891          6.0  5.0          5.0     0          0
## 4892          6.0  7.0          6.0     0          1
## 4893          5.0  5.0         10.0     0          1
## 4894          5.0  5.0          4.0     0          1
## 4895          5.0  6.0          3.0     0          0
## 4896          5.0  7.0          3.0     0          0
## 4897          6.0  7.0          2.0     0          0
## 4898          5.0  7.0          5.0     0          1
## 4899          9.0  7.0          6.0     0          1
## 4900          6.0  6.0          4.0     0          1
## 4901          6.0  5.0          5.0     0          0
## 4902          6.0  7.0          6.0     0          1
## 4903          7.0  5.0          4.0     0          0
## 4904          6.0  6.0          5.0     0          1
## 4905          6.0  7.0          6.0     0          1
## 4906          6.0  7.0          4.0     0          1
## 4908          5.0  8.0          3.0     0          0
## 4910          6.0  7.0          5.0     0          1
## 4911          7.0  8.0          9.0     0          1
## 4912          6.0  6.0          8.0     0          0
## 4913          5.0  5.0          5.0     0          0
## 4914          7.0  7.0          9.0     0          1
## 4915          6.0  7.0          5.0     0          0
## 4916          8.0  8.0          8.0     0          1
## 4917          7.0  7.0          8.0     0          1
## 4918          8.0  6.0          6.0     0          0
## 4919          9.0  7.0          9.0     0          1
## 4920          9.0  8.0          7.0     0          1
## 4921          8.0  8.0          7.0     0          1
## 4923          9.0  9.0          9.0     0          1
## 4925          9.0  8.0          8.0     0          1
## 4926          8.0  8.0          8.0     0          1
## 4927          8.0  7.0          7.0     0          1
## 4928          3.0  6.0          6.0     0          0
## 4930          3.0  4.0          7.0     0          0
## 4931          1.0  4.0          6.0     0          0
## 4932          6.0  8.0          8.0     0          1
## 4933          7.0  7.0          5.0     0          1
```

```
## 4934               8.0  9.0          6.0    0      1
## 4935               4.0  4.0          3.0    0      0
## 4936               8.0  8.0          6.0    0      1
## 4937               5.0  7.0         10.0    0      1
## 4938               5.0 10.0          8.0    0      1
## 4939               6.0  6.0          7.0    0      0
## 4940               8.0  6.0          6.0    0      1
## 4941               6.0  8.0          7.0    0      0
## 4942               6.0  6.0         10.0    0      0
## 4943               6.0  9.0          7.0    0      1
## 4944               8.0  6.0          1.0    0      0
## 4945               5.0  5.0          5.0    0      0
## 4946               6.0  8.0          7.0    0      1
## 4947               5.0  3.0          1.0    0      0
## 4948               7.0  8.0          3.0    0      1
## 4949               5.0  6.0          2.0    0      1
## 4950               5.0  7.0          5.0    0      1
## 4951               6.0  7.0          2.0    0      1
## 4952               5.0  6.0          4.0    0      1
## 4955               5.0  8.0          4.0    0      1
## 4956               8.0  7.0          2.0    0      1
## 4957               5.0  8.0          5.0    0      1
## 4958               3.0  7.0          2.0    0      1
## 4959               5.0  7.0          3.0    0      1
## 4960               5.0  8.0          3.0    0      1
## 4961               3.0  5.0          1.0    0      0
## 4962               5.0  6.0          2.0    0      1
## 4963               5.0  4.0          1.0    0      0
## 4965               6.0  4.0          3.0    0      1
## 4966               3.0  4.0          3.0    0      1
## 4967               6.0  6.0          5.0    0      1
## 4968               7.0  5.0          4.0    0      1
## 4969               2.0  3.0          3.0    0      1
## 4970               4.0  6.0          3.0    0      1
## 4971               7.0  6.0          4.0    0      1
## 4972               7.0  3.0          4.0    0      1
## 4973               3.0  3.0          3.0    0      1
## 4974               6.0  6.0          5.0    0      1
## 4975               5.0  5.0          3.0    0      1
## 4976               8.0  6.0          5.0    0      1
## 4977               8.0  8.0          5.0    0      1
## 4978               7.0  6.0          6.0    0      1
## 4979               8.0  6.0          5.0    0      1
## 4980               6.0  5.0          5.0    0      1
## 4981               7.0  7.0          5.0    0      1
## 4982               7.0  6.0          5.0    0      1
## 4983               6.0  3.0         10.0    0      0
## 4984               8.0  8.0          8.0    0      1
## 4985               6.0  7.0          6.0    0      0
## 4986               6.0  5.0          6.0    0      0
## 4987               8.0  6.0          7.0    0      1
## 4988               8.0  8.0          8.0    0      1
## 4989               8.0  8.0          9.0    0      1
## 4990               8.0  8.0          8.0    0      1
```

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```
## 4992            6.0  8.0        8.0   0       1
## 4993            6.0  7.0        8.0   0       1
## 4994            6.0  7.0        8.0   0       1
## 4995            6.0  8.0        9.0   0       1
## 4996            6.0  7.0        7.0   0       0
## 4997            6.0  9.0        9.0   0       1
## 4998            6.0  5.0        2.0   0       0
## 4999            6.0  5.0        5.0   0       0
## 5000            6.0  6.0        6.0   0       0
## 5001            6.0  8.0        8.0   0       0
## 5002            5.0  6.0        5.0   0       0
## 5003            4.0  4.0        4.0   0       0
## 5004            7.0  6.0        6.0   0       0
## 5005            7.0  7.0        7.0   0       0
## 5006            8.0  8.0        5.0   0       1
## 5007            9.0  7.0        5.0   0       0
## 5008            6.0  7.0        7.0   0       1
## 5009            1.0  3.0        3.0   0       0
## 5010            7.0  7.0        6.0   0       1
## 5011            5.0  5.0        4.0   0       0
## 5012            5.0  5.0        2.0   0       0
## 5013            7.0  7.0        6.0   0       1
## 5014            3.0  4.0        4.0   0       0
## 5015            3.0  5.0        3.0   0       0
## 5016            6.0  7.0        5.0   0       1
## 5017            3.0  3.0        3.0   0       0
## 5018            7.0  6.0        4.0   0       0
## 5020            7.0  7.0        7.0   0       1
## 5021            7.0  7.0        7.0   0       1
## 5022            8.0  8.0        7.0   0       1
## 5023            6.0  7.0        6.0   0       1
## 5024            8.0  8.0        8.0   0       1
## 5025            8.0  8.0        7.0   0       1
## 5026            7.0  7.0        7.0   0       0
## 5027            6.0  6.0        6.0   0       1
## 5028            9.0  7.0        8.0   0       1
## 5029            0.0  3.0        3.0   0       0
## 5030            5.0  7.0        6.0   0       1
## 5031            9.0  9.0        8.0   0       1
## 5032            7.0  7.0        7.0   0       1
## 5033            8.0  8.0        8.0   0       1
## 5034            7.0  8.0        7.0   0       1
## 5035            8.0  5.0        5.0   0       0
## 5036            7.0  6.0        5.0   0       0
## 5037            5.0  6.0        6.0   0       0
## 5038            8.0  7.0        7.0   0       0
## 5039            8.0  7.0        7.0   0       1
## 5040            9.0  9.0        7.0   0       1
## 5041            8.0  7.0        6.0   0       1
## 5042            9.0  9.0        7.0   0       1
## 5043            7.0  7.0        7.0   0       1
## 5044            9.0  9.0        7.0   0       1
## 5045            8.0  8.0        7.0   0       1
## 5046            8.0  9.0        7.0   0       1
```

```
## 5047                  7.0  8.0           6.0    0        1
## 5048                  9.0  8.0           6.0    0        1
## 5049                  8.0  9.0           7.0    0        1
## 5050                  7.0  7.0           6.0    0        0
## 5051                  8.0  9.0           6.0    0        1
## 5052                  7.0  8.0           6.0    0        1
## 5053                  5.0  5.0           5.0    0        0
## 5054                  6.0  6.0           5.0    0        0
## 5055                  6.0  4.0           4.0    0        0
## 5056                  6.0  5.0           5.0    0        1
## 5057                  6.0  6.0           5.0    0        1
## 5058                  7.0  7.0           5.0    0        1
## 5059                  6.0  6.0           5.0    0        1
## 5060                  5.0  5.0           5.0    0        1
## 5063                  6.0  8.0           5.0    0        1
## 5064                  6.0  6.0           5.0    0        1
## 5065                  7.0  8.0           5.0    0        1
## 5066                  6.0  8.0           5.0    0        1
## 5067                  6.0  8.0           5.0    0        1
## 5068                  6.0  7.0           5.0    0        1
## 5069                  6.0  4.0           4.0    0        0
## 5070                  5.0  7.0           5.0    0        1
## 5071                  6.0  4.0           4.0    0        0
## 5072                  6.0  4.0           4.0    0        0
## 5073                  4.0  5.0           6.0    0        0
## 5074                 10.0  7.0           8.0    0        1
## 5075                  2.0  4.0           5.0    0        0
## 5076                  8.0  6.0           8.0    0        1
## 5077                  9.0  9.0           8.0    0        1
## 5078                  8.0  9.0           9.0    0        1
## 5079                 10.0  5.0           7.0    0        0
## 5080                  9.0  9.0           8.0    0        1
## 5081                 10.0  8.0          10.0    0        1
## 5082                  8.0  8.0           5.0    0        1
## 5083                  9.0  9.0           8.0    0        1
## 5084                  6.0  6.0           6.0    0        1
## 5085                  9.0  8.0           8.0    0        1
## 5087                  3.0  5.0           6.0    0        1
## 5088                  2.0  5.0           4.0    0        0
## 5089                  2.0  4.0           5.0    0        0
## 5090                  7.0  7.0           7.0    0        1
## 5091                  7.0  4.0           2.0    0        0
## 5092                  7.0  5.0           4.0    0        0
## 5093                  7.0  5.0           3.0    0        0
## 5094                  9.0  7.0           3.0    0        0
## 5095                 10.0  6.0           7.0    0        0
## 5096                  9.0  9.0           7.0    0        1
## 5097                  8.0  5.0           2.0    0        0
## 5098                  5.0  4.0           5.0    0        0
## 5101                  7.0  8.0           6.0    0        0
## 5102                  5.0  5.0           4.0    0        0
## 5103                  8.0  4.0           7.0    0        1
## 5105                  7.0  8.0           7.0    0        1
## 5106                  7.0  6.0           5.0    0        0
```

```
## 5107                  5.0   4.0           4.0   0           0
## 5108                  5.0   5.0           5.0   0           0
## 5109                  5.0   5.0           6.0   0           0
## 5112                  5.0   6.0           5.0   0           0
## 5113                  6.0   7.0           6.0   0           0
## 5115                  7.0   8.0           5.0   0           1
## 5116                  7.0   7.0           6.0   0           0
## 5119                  5.0   6.0           5.0   0           0
## 5122                  4.0   4.0           5.0   0           0
## 5123                  5.0   4.0           4.0   0           0
## 5124                  7.0   7.0           6.0   0           0
## 5127                  0.0   0.0           0.0   0           0
## 5128                  3.0   3.0           2.0   0           0
## 5129                  3.0   3.0           4.0   0           0
## 5130                  6.0   6.0           4.0   0           0
## 5131                  6.0   6.0           3.0   0           0
## 5132                  5.0   7.0           4.0   0           0
## 5133                  6.0   5.0           5.0   0           0
## 5134                  8.0   7.0           6.0   0           1
## 5136                  6.0   6.0           6.0   0           0
## 5137                  6.0   4.0           3.0   0           0
## 5138                  6.0   4.0           3.0   0           0
## 5139                  6.0   5.0           7.0   0           0
## 5140                  6.0   6.0           7.0   0           1
## 5141                  4.0   4.0           2.0   0           0
## 5142                  7.0   7.0           3.0   0           1
## 5143                  0.0   4.0           3.0   0           0
## 5144                  2.0   3.0           2.0   0           0
## 5145                  6.0   6.0           7.0   0           0
## 5146                  6.0   6.0           7.0   0           0
## 5147                  6.0   6.0           7.0   0           0
## 5148                  7.0   6.0           7.0   0           0
## 5150                  7.0   8.0           8.0   1           1
## 5151                  8.0   8.0           7.0   0           0
## 5152                  7.0   7.0           7.0   0           0
## 5153                  6.0   7.0           6.0   0           0
## 5154                  6.0   7.0           6.0   0           0
## 5155                  8.0   7.0           6.0   0           0
## 5156                  6.0   7.0           6.0   0           0
## 5157                  7.0   8.0           7.0   0           1
## 5158                  6.0   6.0           7.0   0           0
## 5159                  6.0   8.0           7.0   0           0
## 5160                 10.0  10.0          10.0   1           1
## 5161                  6.0   7.0           6.0   0           0
## 5162                  6.0   6.0           6.0   0           0
## 5163                  7.0   6.0           8.0   0           1
## 5164                  7.0   6.0           6.0   0           1
## 5165                  3.0   3.0           6.0   0           0
## 5166                  6.0   3.0           4.0   0           0
## 5168                  8.0   9.0           7.0   0           1
## 5169                  8.0   9.0           5.0   0           1
## 5171                  3.0   5.0           4.0   0           1
## 5172                  4.0   5.0           4.0   0           1
## 5173                  1.0   4.0           1.0   0           0
```

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```
## 5174                    6.0  4.0              4.0   0         0
## 5175                    1.0  3.0              3.0   0         0
## 5176                    1.0  2.0              2.0   0         0
## 5177                    1.0  3.0              2.0   0         0
## 5178                    2.0  4.0              4.0   0         0
## 5179                    6.0  3.0              5.0   0         0
## 5180                    1.0  4.0              4.0   0         0
## 5181                    2.0  3.0              1.0   0         0
## 5182                    5.0  6.0              4.0   0         0
## 5183                    3.0  4.0              1.0   0         0
## 5184                    5.0  8.0              7.0   0         1
## 5185                    6.0  7.0              7.0   0         1
## 5186                    7.0  7.0              6.0   0         1
## 5187                    6.0  8.0              6.0   0         1
## 5188                    6.0  8.0              7.0   0         1
## 5189                    6.0  6.0              5.0   1         1
## 5191                    7.0  9.0              6.0   0         1
## 5192                    4.0  5.0              3.0   0         0
## 5194                    5.0  7.0              5.0   0         0
## 5195                    3.0  6.0              4.0   0         1
## 5196                    4.0  5.0              5.0   0         0
## 5197                    5.0  7.0              6.0   0         1
## 5198                    5.0  7.0              5.0   0         1
## 5199                    1.0  7.0              5.0   0         0
## 5201                    8.0 10.0             10.0   0         1
## 5202                    9.0  8.0              8.0   0         0
## 5204                    1.0  5.0              1.0   0         0
## 5205                    8.0  7.5              6.0   0         0
## 5206                    9.0 10.0              8.0   0         0
## 5207                    8.0  9.0              9.5   0         1
## 5208                    1.0  5.0              1.0   0         0
## 5209                    4.0  5.0              2.0   0         0
## 5210                    3.0  3.0              1.0   0         0
## 5211                    9.0  9.7             10.0   0         0
## 5212                    4.0  7.0              6.0   0         0
## 5213                    7.0  9.0              8.0   0         0
## 5214                    5.0  6.0              5.0   0         0
## 5215                    7.0  7.0              6.0   0         0
## 5216                    7.0  8.5              8.5   0         0
## 5217                    6.0  8.0              5.0   0         0
## 5218                    8.0  8.0              8.0   0         1
## 5219                    7.0  7.0              7.0   0         0
## 5220                    7.0  7.0              7.0   0         1
## 5221                    8.0  8.0              5.0   0         1
## 5222                    7.0  7.0              8.0   0         0
## 5224                    6.0  6.0              7.0   0         0
## 5225                    8.0  8.0              5.0   0         1
## 5226                    7.0  7.0              7.0   0         1
## 5227                    7.0  7.0              8.0   0         1
## 5228                    6.0  6.0              8.0   0         0
## 5229                    6.0  6.0              8.0   0         0
## 5230                    8.0  8.0              5.0   0         1
## 5231                    8.0  8.0              5.0   0         1
## 5233                    7.0  7.0              8.0   0         0
```

```
## 5234                8.0  8.0              8.0   0      1
## 5235                7.0  7.0              8.0   0      1
## 5236                7.0  7.0              8.0   0      0
## 5237                5.0  7.0              6.0   0      1
## 5238                6.0  7.0              6.0   0      1
## 5239                4.0  5.0              4.0   0      0
## 5240                5.0  6.0              4.0   0      0
## 5241                7.0  7.0              8.0   0      1
## 5242                1.0  3.0              3.0   0      0
## 5243                4.0  7.0              6.0   0      1
## 5244                7.0  7.0              5.0   0      1
## 5245                8.0  8.0              6.0   0      1
## 5246                6.0  7.0              5.0   0      0
## 5247                8.0  8.0              7.0   0      1
## 5248                4.0  5.0              6.0   0      0
## 5249                7.0  8.0              7.0   0      1
## 5250                7.0  7.0              6.0   0      1
## 5252                5.0  6.0              5.0   0      0
## 5253                6.0  7.0              7.0   0      1
## 5254                6.0  7.0              7.0   0      1
## 5255                4.0  5.0              4.0   0      0
## 5256                8.0  8.0              6.0   0      1
## 5257                7.0  6.0              5.0   0      0
## 5258                6.0  4.0              5.0   0      0
## 5259                9.0  8.0              6.0   0      1
## 5260                7.0  7.0              6.0   0      1
## 5261                5.0  3.0              5.0   0      0
## 5262                8.0  7.0              7.0   0      0
## 5263                6.0  8.0              4.0   0      1
## 5264                7.0  7.0              6.0   0      0
## 5265                7.0  9.0              7.0   0      1
## 5266                7.0  7.0              7.0   0      1
## 5267                4.0  5.0              5.0   0      0
## 5268                8.0  7.0              6.0   0      1
## 5269                7.0  8.0              6.0   0      1
## 5270                6.0  7.0              3.0   0      0
## 5271                8.0  9.0              7.0   0      1
## 5272                7.0  7.0              5.0   0      1
## 5273                8.0  9.0              6.0   0      1
## 5274                7.0  7.0              6.0   0      1
## 5275                8.0  8.0              5.0   0      1
## 5276                4.0  5.0              4.0   0      0
## 5277                7.0  8.0              7.0   0      1
## 5278                6.0  7.0              5.0   0      1
## 5279                2.0  5.0              5.0   0      0
## 5280                3.0  3.0              3.0   0      0
## 5281                2.0  6.0              6.0   0      0
## 5282                4.0  6.0              3.0   0      0
## 5283                8.0  8.0              7.0   0      1
## 5284                4.0  5.0              5.0   0      0
## 5285                4.0  4.0              4.0   0      0
## 5286                4.0  4.0              4.0   0      0
## 5287                6.0  7.0              7.0   0      1
## 5288                8.0  8.0              7.0   0      1
```

```
## 5289                   9.0  9.0             8.0   0      1
## 5290                   6.0  7.0             7.0   0      1
## 5293                   5.0  6.0             5.0   0      0
## 5294                   9.0  9.0             8.0   0      1
## 5295                   6.0  7.0             6.0   0      0
## 5296                   6.0  6.0             6.0   0      0
## 5297                   8.0  8.0             8.0   0      1
## 5298                   5.0  7.0             7.0   0      1
## 5299                   4.0  6.0             5.0   0      0
## 5300                   4.0  5.0             4.0   0      0
## 5301                   9.0  9.0             8.0   0      1
## 5302                   8.0  8.0             6.0   0      1
## 5303                   7.0  7.0             5.0   0      0
## 5304                   5.0  6.0             6.0   0      0
## 5305                   2.0  4.0             4.0   0      0
## 5306                   7.0  8.0             7.0   0      1
## 5307                   8.0  9.0             8.0   0      1
## 5309                   8.0  8.0             7.0   0      1
## 5310                   7.0  8.0             7.0   1      1
## 5311                   7.0  7.0             7.0   0      1
## 5312                   6.0  6.0             5.0   0      0
## 5313                   7.0  7.0             7.0   0      0
## 5314                   7.0  8.0             8.0   0      1
## 5315                   9.0  4.0             6.0   0      0
## 5316                   7.0  5.0             4.0   0      0
## 5317                   5.0  7.0             7.0   0      0
## 5319                   6.0  6.0             5.0   0      0
## 5320                   8.0  8.0             6.0   0      1
## 5321                   6.0  7.0             6.0   0      1
## 5322                   4.0  5.0             4.0   0      0
## 5323                   4.0  4.0             3.0   0      0
##  [ reached 'max' / getOption("max.print") -- omitted 2657 rows ]
```

Stršeće vrijednosti

```r
boxplots <- lapply(columns_of_interest, function(column_name) {
  boxplot(filtered_dates[[column_name]], main = column_name)
})
```

attractive_o

intelligence_o

ambitious_o

attractive_partner

intelligence_partner

ambition_partner

like

met
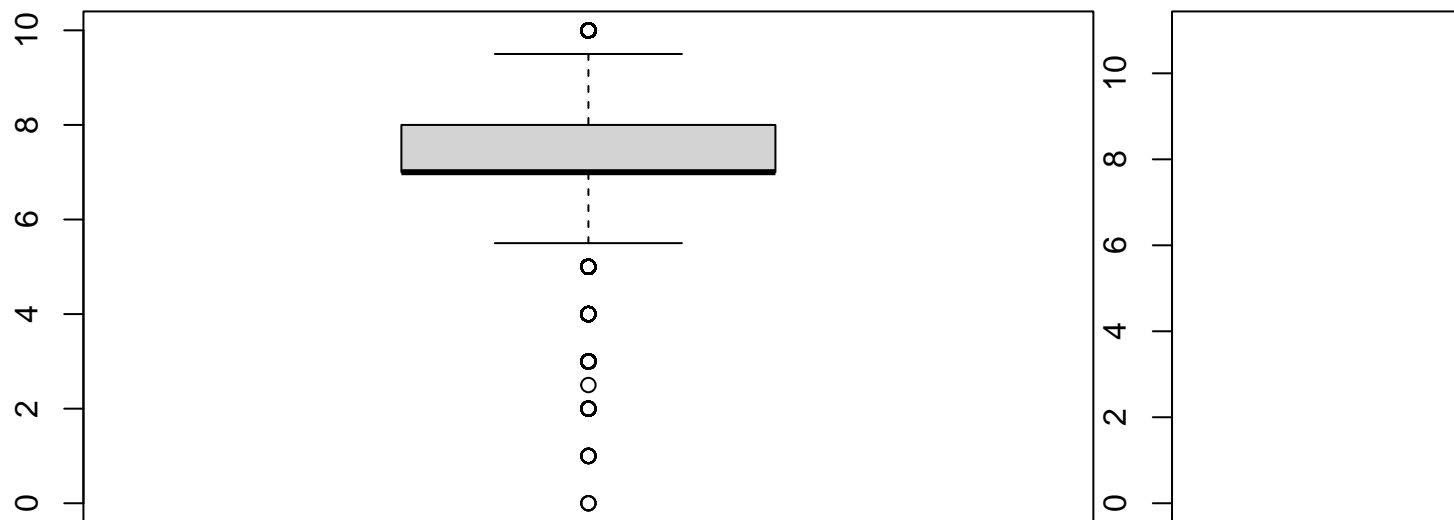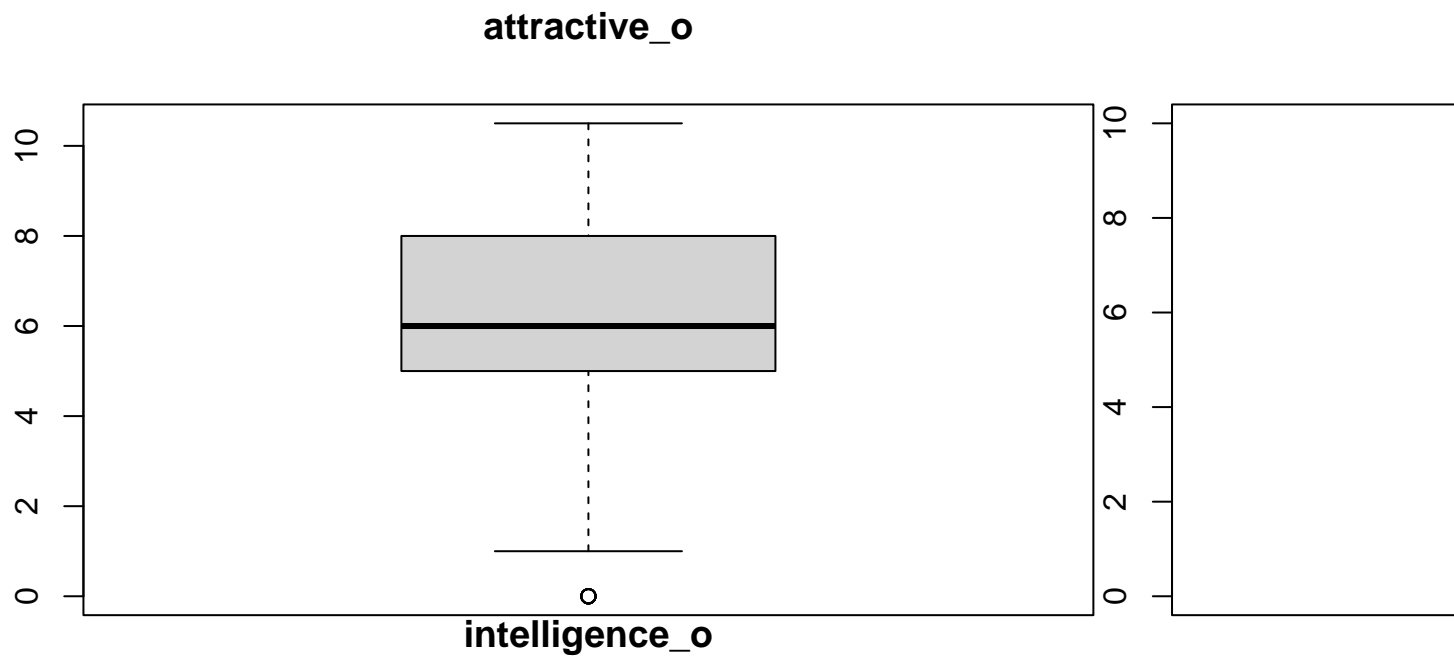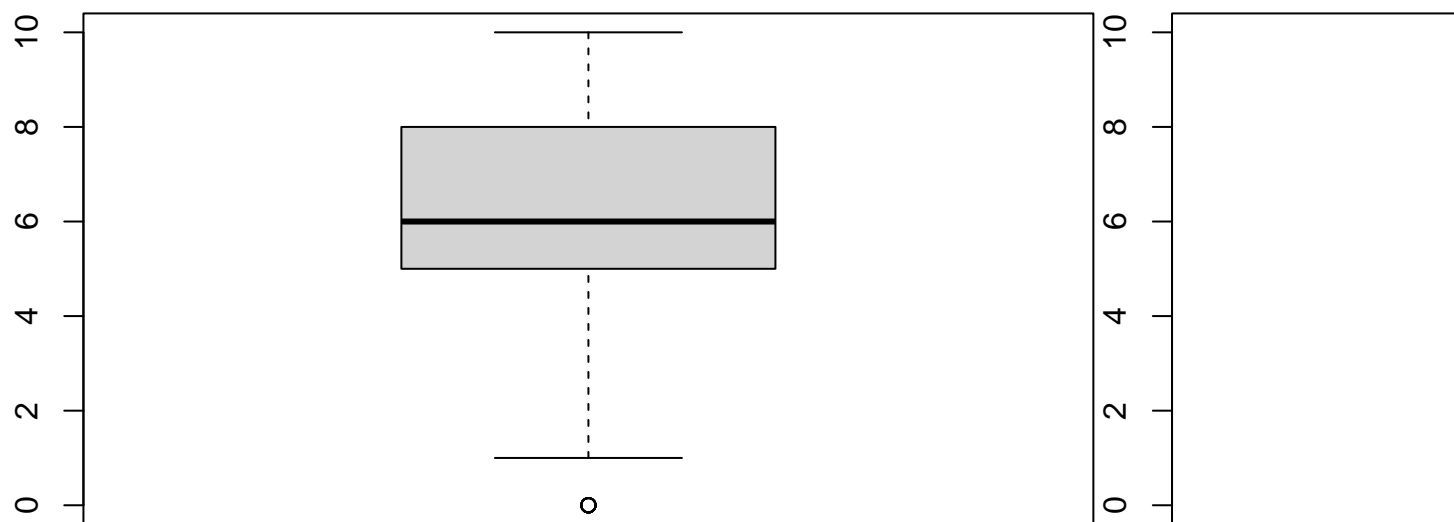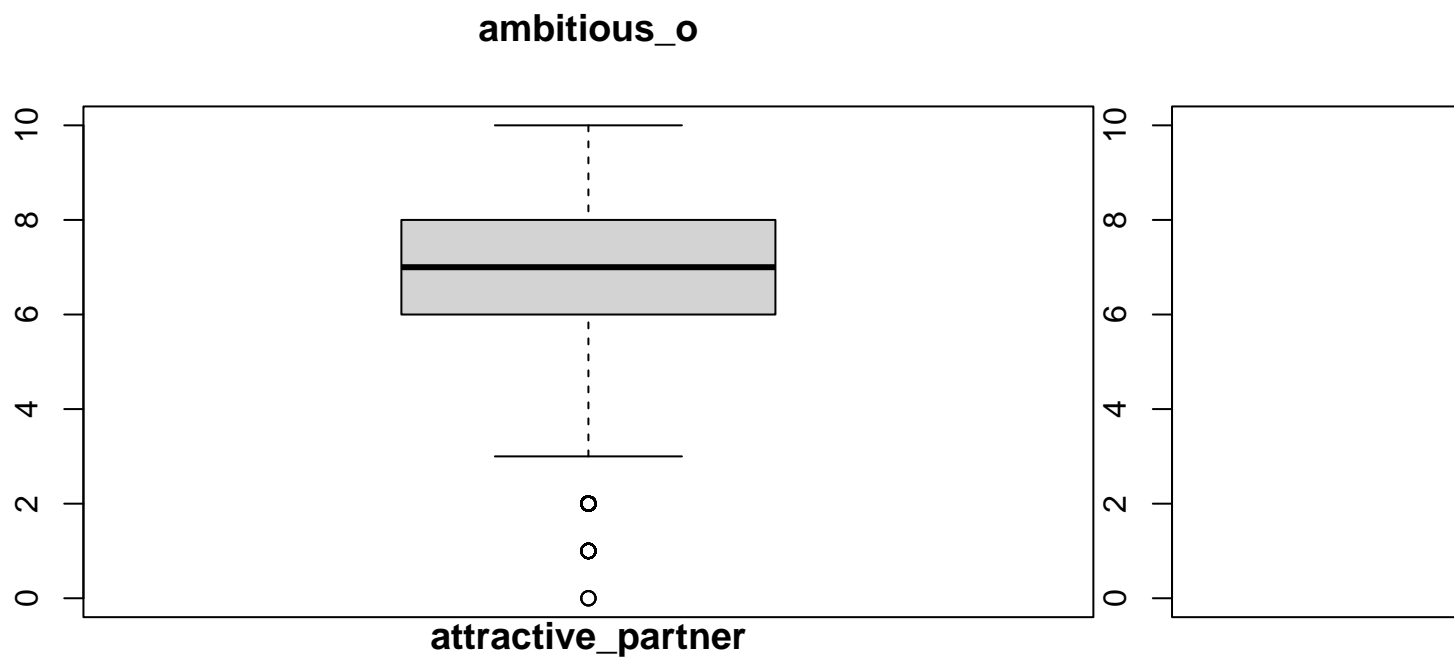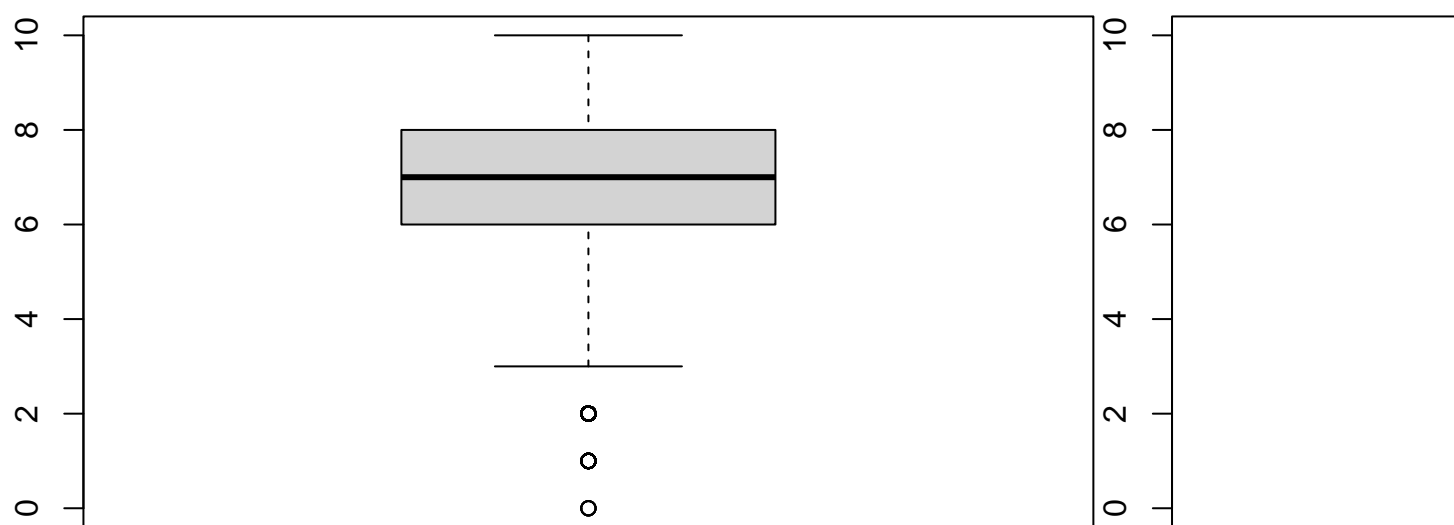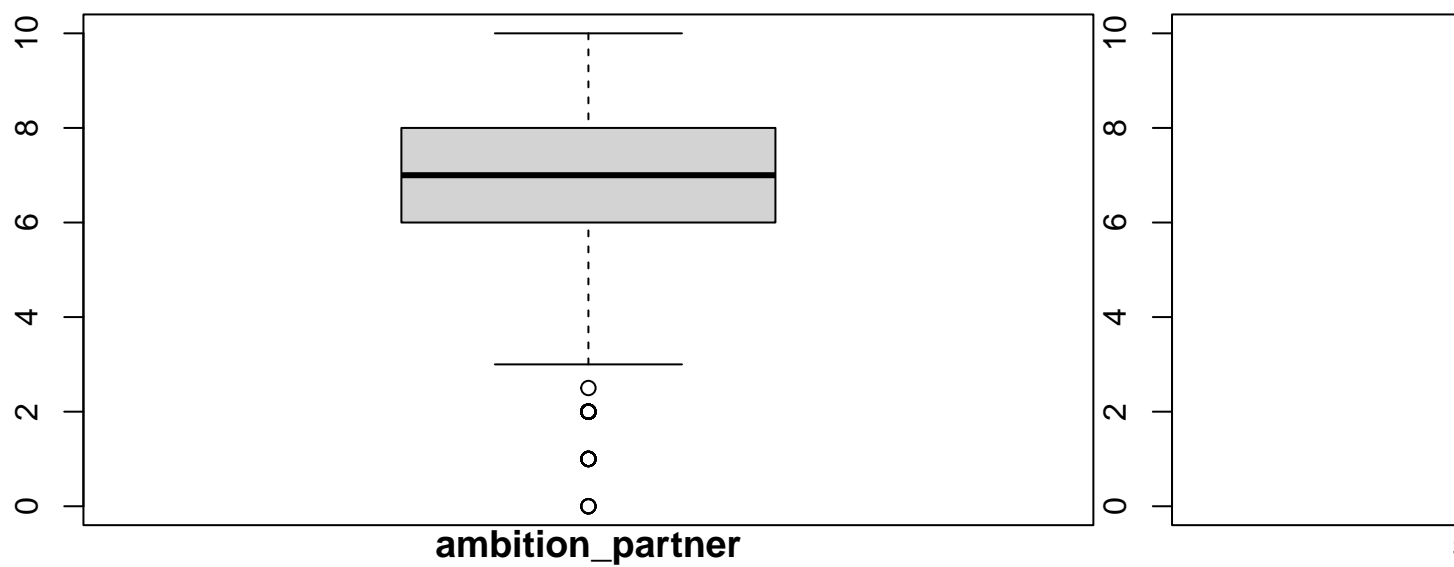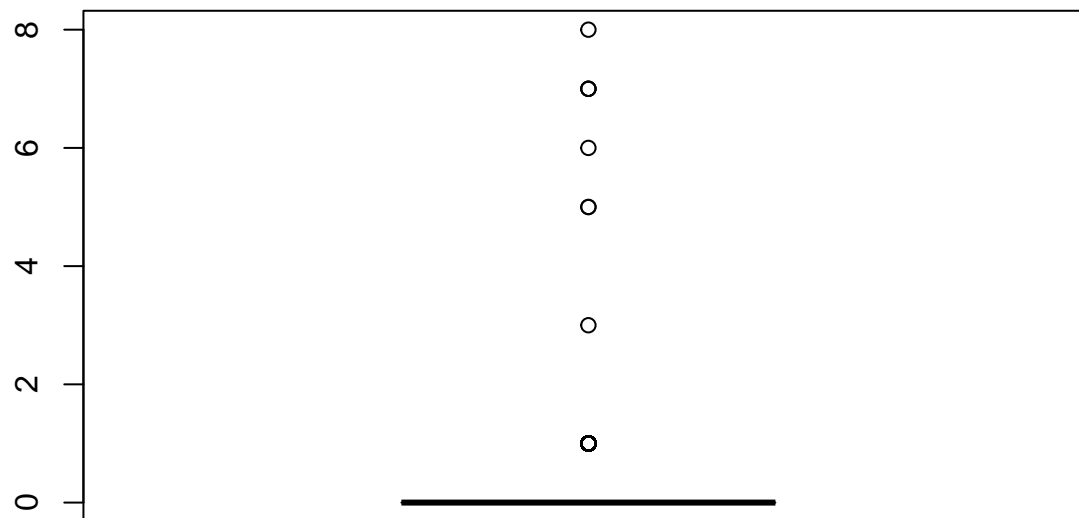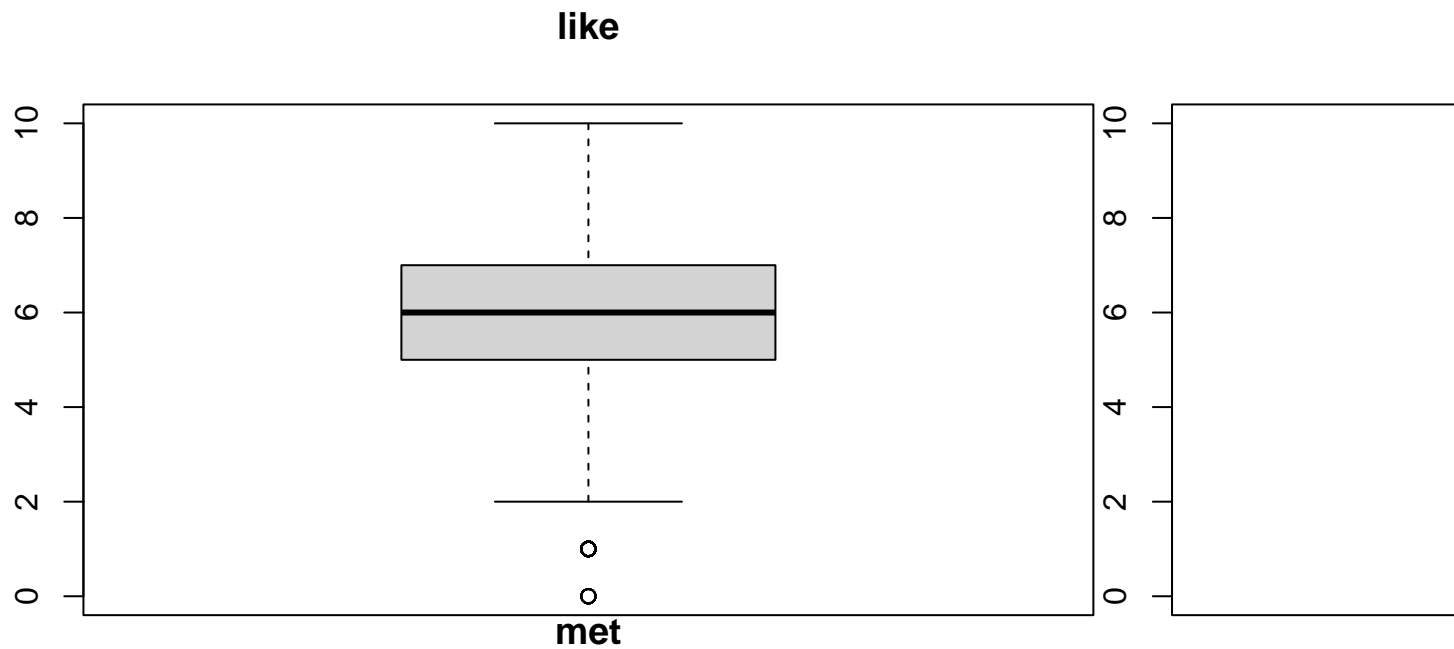

```
filtered_dates$met[filtered_dates$met > 1] <- 1

unique(filtered_dates$met)
```

```
## [1] 0 1
```

Kako bismo vidjeli može li se na temelju ocjena sudionika o njihovim partnerima predvidjeti je li spoj bio uspješan ili ne. Prvo idemo razraditi definiciju uspješnosti spoja. Spoj je usješan jedino ako je sudionik u spoju ocjenio cjelokupno iskustvo s 1, a nuespješan ako je ocjenjeno s 0. Definicija je nužno ovakva jer se može dogoditi situacija ako dvoje ljudi otiđu na spoj, jednoj se osobi spoj svidio, a drugoj ne onda njihove ocjene mogu biti drugačije. Zbog toga smo odlučili na ovaj subjektivan pristup. Pošto je odluka za uspješnost spoja binarna, odlučili smo koristiti model logističke regresije.

Model logističke regresije je statistički model koji se koristi za analizu odnosa između jedne binarne zavisne promenljive varijable i više nezavisnih promenljivih varijabli. Sam model je oblika:

$$F(x'\beta) = \Lambda(x'\beta) = \frac{1}{1 + e^{-x'\beta}}$$

Cilj je predviđanje vjerojatnosti da će zavisna promenljiva varijabla imati vrijednost 1 (uspjeh) ili 0 (neuspjeh) na osnovu linearnih kombinacija nezavisnih promenljivih varijabli ugurane u sigmoidalne funkciju. Model logističke regresije ima funkciju vjerodstojnosti:

$$L(\beta) = \prod_{i=1}^{N} (\Lambda(x_i'\beta))^{y_i} (1 - \Lambda(x_i'\beta))^{1-y_i}$$

ili u log obliku:

$$l(\beta) = \sum_{i=1}^{N} y_i log(\Lambda(x_i'\beta)) + \sum_{i=1}^{N} (1 - y_i) log(1 - \Lambda(x_i'\beta))$$

Ovaj problem nema konkretno rješenje, ali može se riješiti ili itterativno metodom gradijentnog spusta ili numerički Newton-Raphsonovom metodom. Logistička regresija omogućava interpretaciju utjecaja svake nezavisne vaijable primjenjive na log-odds vjerovatnosti, pružajući također mogućnost procjene vjerojatnosti klasifikacije.

Kako bismo vidjeli snagu ovog modela odlučili smo primjeniti unakrsnu provjeru, koja uvodne podatke na trening_set:testing_set u omjeru 70:30:

```r
set.seed(123)

train_indices <- sample(1:nrow(filtered_dates), 0.7 * nrow(filtered_dates))

training_set <- filtered_dates[train_indices, ]

testing_set <- filtered_dates[-train_indices, ]
```

Kod za učenje i rezultati učenja us vidljivi ovdje:

```r
logistic_model <- glm(decision ~ attractive_o + sincere_o + intelligence_o + funny_o + ambitious_o + sha

summary(logistic_model)
```

```
##
## Call:
## glm(formula = decision ~ attractive_o + sincere_o + intelligence_o +
##     funny_o + ambitious_o + shared_interests_o + attractive_partner +
##     sincere_partner + intelligence_partner + funny_partner +
##     ambition_partner + shared_interests_partner + like + guess_prob_liked +
##     met, family = "binomial", data = training_set)
##
## Coefficients:
##                     Estimate Std. Error z value Pr(>|z|)
## (Intercept)        -6.637039   0.296091 -22.416  < 2e-16 ***
## attractive_o       -0.175244   0.022793  -7.689 1.49e-14 ***
## sincere_o           0.106820   0.027487   3.886 0.000102 ***
## intelligence_o      0.022466   0.034204   0.657 0.511286
## funny_o            -0.023296   0.026316  -0.885 0.376037
## ambitious_o         0.063049   0.026290   2.398 0.016476 *
## shared_interests_o -0.015097   0.021668  -0.697 0.485956
```

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```
## attractive_partner        0.446886   0.026612  16.792  < 2e-16 ***
## sincere_partner          -0.192148   0.030204  -6.362 2.00e-10 ***
## intelligence_partner     -0.007718   0.036748  -0.210 0.833647
## funny_partner             0.152550   0.029026   5.256 1.48e-07 ***
## ambition_partner         -0.165961   0.028957  -5.731 9.97e-09 ***
## shared_interests_partner  0.098502   0.024201   4.070 4.70e-05 ***
## like                      0.536944   0.035856  14.975  < 2e-16 ***
## guess_prob_liked          0.195548   0.020436   9.569  < 2e-16 ***
## met                      -0.062649   0.176937  -0.354 0.723281
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## (Dispersion parameter for binomial family taken to be 1)
##
##     Null deviance: 7569.8  on 5543  degrees of freedom
## Residual deviance: 5155.6  on 5528  degrees of freedom
## AIC: 5187.6
##
## Number of Fisher Scoring iterations: 5
```

Kako bismo odredili preciznost modela, prvo smo odlučili implemetirati ROC krivulju. ROC(Receiver Operating Characteristic) je graf koji ilustrira sposobnost dijagnostičkog modela u binarnoj klasifikaciji na različitim pragovima odlučivanja. Prikazuje odnos između stvarno pozitivnih rezultata (osjetljivosti) i lažno pozitivnih rezultata (1 - specifičnost), pomažući vizualizaciji kompromisa između osjetljivosti i specifičnosti na različitim pragovima. AUC (površina ispod krivulje ROC) mjera je ukupne performanse modela. Što je AUC bliže 1, to je model bolji.

Graf ROC je ovdje:

```r
library(pROC)
library(pheatmap)

predictions <- predict(logistic_model, testing_set, type = "response")

# Convert predicted probabilities to binary predictions (0 or 1)
predicted_class <- ifelse(predictions > 0.5, 1, 0)

# Assuming 'response_variable' is the actual response variable in your data
actual_class <- testing_set$decision

# Confusion matrix
conf_matrix <- table(actual_class, predicted_class)

roc_curve <- roc(actual_class, predicted_class)
```

Setting levels: control = 0, case = 1

Setting direction: controls < cases

```r
plot(roc_curve, main = "ROC Curve", col = "blue", lwd = 2, xlab = "Lažno Pozitivni", ylab="Istinito poz
```
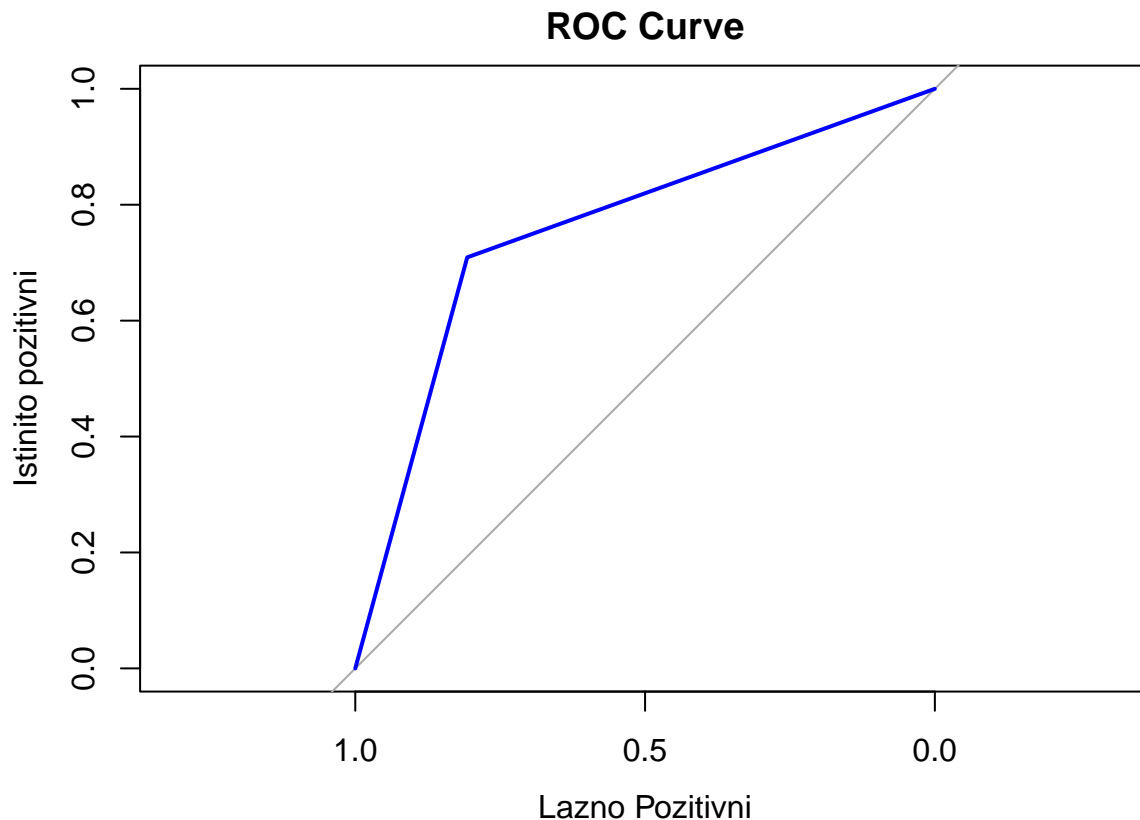
ROC Curve

S AUC vrijednosti ispod grafa:

```r
# Area under the ROC curve (AUC)
auc_value <- auc(roc_curve)
cat("AUC:", auc_value, "\n")
```

```
## AUC: 0.7580196
```

Sljedeća performansa koju smo htejli pokazati je Matrica zabune. Matrica zabune je tablica koja prikazuje broj stvarno pozitivnih, stvarno negativnih, lažno pozitivnih i lažno negativnih klasifikacija u kontekstu evaluacije binarnog klasifikacijskog modela, pružajući uvid u performanse modela i vrste pogrešaka koje čini. Ova matrica često služi kao osnova za izračunavanje različitih evaluacijskih mjera, poput preciznosti, osjetljivosti i specifičnosti.

Naša matrica zabune:

```r
# Stylish Confusion Matrix using pheatmap
pheatmap(
  conf_matrix,
  main = "Matrica zabune",
  fontsize_row = 12,   # Adjust font size for row labels
  fontsize_col = 12,   # Adjust font size for column labels
  cellwidth = 100,     # Adjust cell width
  cellheight = 100,    # Adjust cell height
  cluster_cols = FALSE,
  cluster_rows = FALSE,
  display_numbers=TRUE,
  color = colorRampPalette(c("blue", "steelblue", "white"))(10),  # Adjust color palette
  show_rownames = TRUE,  # Show row names (actual labels)
  show_colnames = TRUE,  # Show column names (predicted labels)
```

```
  angle_col = 0,          # Rotate column names for better visibility
  number_color = "black",  # Color of the text inside cells
  number_format = "%.0f", # Format for the numbers (adjust as needed)
  fontsize_number = 12     # Font size of the numbers inside cells
)
```

Matrica zabune

Retci matrice prikazuju istinte vrijednosti, dok stupci prikazuju predviđene vrijednosti za model. Polja na dijagonali prikazuju broj točno previđenih primjera, dok polja izvan dijagonale prikazuju broj krivo prediđenih primjera. Kao što se vidi iz našeg modela, ima mnogo točno predviđenih modela, ali i mnogo krivo predviđenih modela, koji će se isto vidjeti u kasnijim metrikama.

Još neke mjere preciznosti:

Točnost: Glavna interpretacija koliko je dobar model. Formula:

$$1) Točnost(Accuracy) = \frac{TP + TN}{FP + FN + TP + TN}$$

Preciznost: Pokazatelj lažno pozitivnih rezulata. Ključna je metrika kada je pogreška lažne klasifikacija velika. Formula:

$$2) Preciznost(Precision) = \frac{TP}{FP + TP}$$

Osjetljivost: važan kada su troškovi propuštanja pozitivnih slučajeva visoki. Cilj mu je minimizirati lažno negativne rezultate. Formula:

$$3) Osjetljivost(Recall) = \frac{TP}{TP + FN}$$

F1: Koristan je kada želite jednu metriku koja uzima u obzir i lažno pozitivne i lažno negativne rezultate. Formula:

$$4) F1 = \frac{2 * Precisnost * Osjeltjivost}{Preciznost + Osjeltjivost}$$

gdje su TP(točno pozitivni), FP(lažno pozitivni), TN(točno negativni) i FN(lažno negativni). Vrijednsoti ovih metrika za naš model su prikazane ovdje:

```
# Calculate accuracy
accuracy <- sum(diag(conf_matrix)) / sum(conf_matrix)

# Calculate precision
```

```r
precision <- conf_matrix[2, 2] / sum(conf_matrix[, 2])

# Calculate recall
recall <- conf_matrix[2, 2] / sum(conf_matrix[2, ])

# Calculate F1 score
f1_score <- 2 * (precision * recall) / (precision + recall)

# ROC curve and AUC-ROC
library(pROC)
roc_curve <- roc(actual_class, predictions)
```

Setting levels: control = 0, case = 1

Setting direction: controls < cases

```r
auc_roc <- auc(roc_curve)

cat("Accuracy:", accuracy, "\n")
```

Accuracy: 0.7643098

```r
cat("Precision:", precision, "\n")
```

Precision: 0.7391742

```r
cat("Recall:", recall, "\n")
```

Recall: 0.7091787

```r
cat("F1 Score:", f1_score, "\n")
```

F1 Score: 0.7238659

```r
#cat("AUC-ROC:", auc_roc, "\n")
```

Vidimo da su rezultati u redu. Prciznost modela je veća od 75% i većina ostalih parametara je iznad 70%.

Pitanje kojim se nadovezujemo na prethodno: Koje od značajki utječu na model najviše, a koje najmanje?

Gdje vrijednost pojedinog parametra možemo i vidjeti na slijedećem grafu:

```r
plot_model(logistic_model, vline.color = "red", transform = NULL, title="Vrijenost parametra za pojedinu
```

Vrijenost parametra za pojedinu znacajku
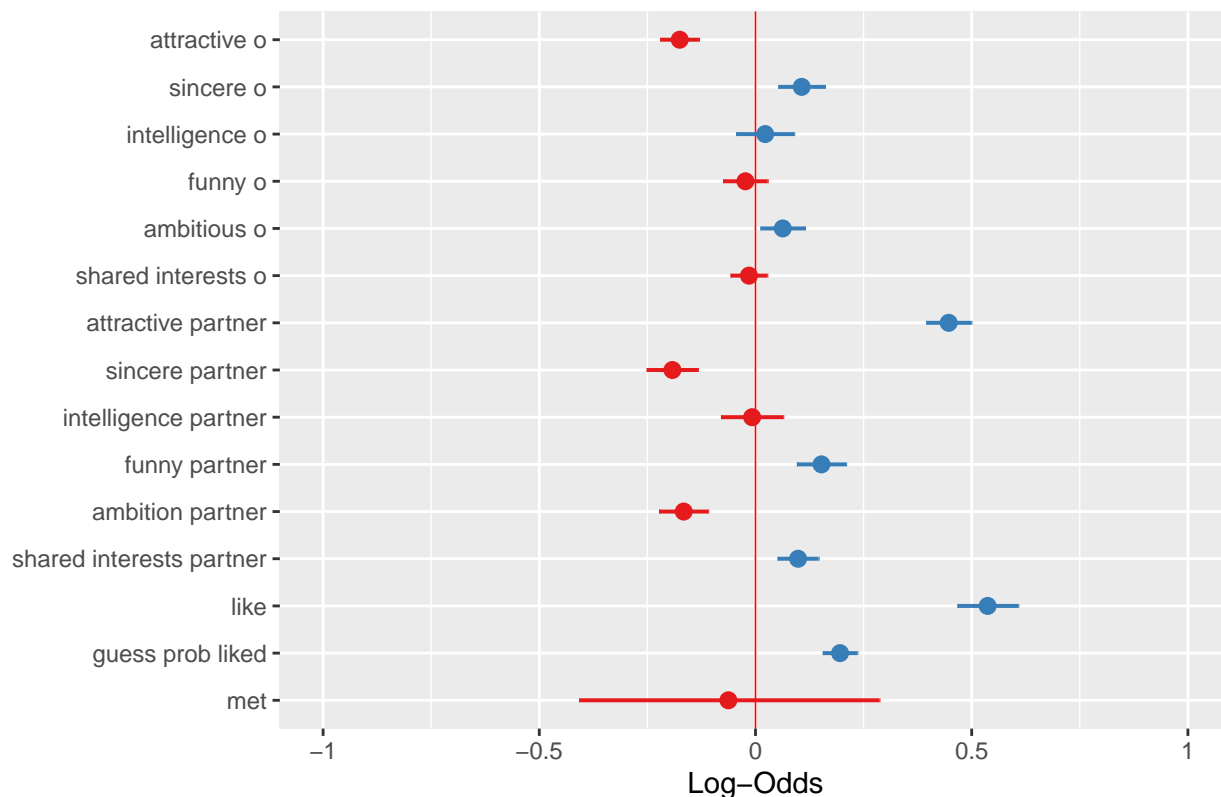
Jasno se vidi da parametri like i atrctive_partner najviše utječu na konačnu mogućnost da model predviđa. Ali mi bismo htjeli da vidimo kojeg regresora bismo potencijalno mogli isključiti iz modela, a kojeg ne a da ne utječemo previše na izlaz modela. Za to ćemo iskoristiti LR test.

LR test (Likelihood Ratio test) je statistički test koji se koristi u kontekstu procjene značajnosti razlika između dvaju modela koji su ugniježđeni jedan u drugi. Test se temelji na usporedbi logaritma vjerodostojnosti (likelihood) modela koji je potpuno specifičan (nula restrikcija) s logaritmom vjerodostojnosti modela koji ima neke restrikcije (npr., postavljanje određenih parametara na nulu). Statistička testna statistika LR testa slijedi distribuciju χ-kvadrat, a p-vrijednost testa pomaže u odlučivanju o odbacivanju nulte hipoteze o tome da su modeli ekvivalentni.

Prvo što ćemo napraviti je hitpoteze za LR test:

$$H_0 : \beta_g = 0$$
$$H_1 : \beta_g \neq 0$$

Sada ćemo ići po svim svim regresorima u originalnom modelu, istrenirati broj modela koji je jednak originalnom broju regresora, ali svaki od tih modela neće imati regresor koji želimo testirati. I vidjeti koilko je li neki regresor redundantan s nivoom značajnosti 0.05. Rezultati su vidljivi u donjoj tablici:

```r
models <- list()

for (col in columns_of_interest) {
  formula <- as.formula(paste("decision ~", paste(columns_of_interest[!columns_of_interest %in% col], c
  model <- glm(formula, data = training_set, family = "binomial")
  models[[col]] <- model
}


custom_format <- function(x) {
  if (abs(x) >= 0.001) {
```

```
    return(sprintf("%.6f", x))
  } else {
    return(format(x, scientific = TRUE))
  }
}


p_values <- numeric(length(columns_of_interest))
i = 1
for(col in columns_of_interest) {
  p_value <- lrtest(logistic_model, models[[col]])$`Pr(>Chisq)`[2]
  #print(p_value)
  p_values[i] <- p_value
  i <- i+1
}


p_values <- data.frame(column = columns_of_interest, p_value = p_values)

p_values <- p_values %>% mutate(p_value = sapply(p_value, custom_format))


p_values
```

```
##                      column      p_value
## 1              attractive_o  8.00326e-15
## 2                  sincere_o 9.682401e-05
## 3             intelligence_o     0.511329
## 4                    funny_o     0.375943
## 5                ambitious_o     0.016446
## 6           shared_interests_o     0.485965
## 7          attractive_partner 2.869158e-69
## 8             sincere_partner 1.499543e-10
## 9        intelligence_partner     0.833636
## 10              funny_partner  1.24288e-07
## 11           ambition_partner 7.847928e-09
## 12 shared_interests_partner 4.477376e-05
## 13                       like 2.439639e-55
## 14           guess_prob_liked 3.646484e-22
## 15                        met     0.723611
```

Vidimo po rezultatima da su attractive_partner i like najznačajniji parametri, dok intelligance_partner i intelligance_o najneznačajniji za izlaz modela. Što je i očekivano po vrijednostima parametara u originalnom modelu.

Za konačni eksperiment u ovom radu, htjeli smo vidjeti je li moguće poboljšati izlaz modela ako izbacimo regresore koji su zadovoljili LR test. Konačni rezultati su ovdje:

```
logistic_model_better <- glm(decision ~ attractive_o + sincere_o + attractive_partner + sincere_partner


logistic_model_better
```

```
##
## Call:  glm(formula = decision ~ attractive_o + sincere_o + attractive_partner +
##     sincere_partner + funny_partner + ambition_partner + shared_interests_partner +
##     like + guess_prob_liked, family = "binomial", data = training_set)
##
## Coefficients:
```

834

```
##             (Intercept)                     attractive_o                      sincere_o
##                -6.38054                         -0.17740                        0.12812
##        attractive_partner              sincere_partner                 funny_partner
##                 0.44715                         -0.19385                        0.14922
##         ambition_partner   shared_interests_partner                           like
##                -0.17280                          0.09739                        0.53697
##         guess_prob_liked
##                 0.19422
##
## Degrees of Freedom: 5543 Total (i.e. Null);  5534 Residual
## Null Deviance:        7570
## Residual Deviance: 5165  AIC: 5185
```

```r
predictions <- predict(logistic_model_better, testing_set, type = "response")

predicted_class <- ifelse(predictions > 0.5, 1, 0)

# Assuming 'response_variable' is the actual response variable in your data
actual_class <- testing_set$decision

# Confusion matrix
conf_matrix <- table(actual_class, predicted_class)

pheatmap(
  conf_matrix,
  main = "Matrica zabune",
  fontsize_row = 12,  # Adjust font size for row labels
  fontsize_col = 12,  # Adjust font size for column labels
  cellwidth = 100,     # Adjust cell width
  cellheight = 100,    # Adjust cell height
  cluster_cols = FALSE,
  cluster_rows = FALSE,
  display_numbers=TRUE,
  color = colorRampPalette(c("blue", "steelblue", "white"))(10),  # Adjust color palette
  show_rownames = TRUE,  # Show row names (actual labels)
  show_colnames = TRUE,  # Show column names (predicted labels)
  angle_col = 0,         # Rotate column names for better visibility
  number_color = "black",  # Color of the text inside cells
  number_format = "%.0f", # Format for the numbers (adjust as needed)
  fontsize_number = 12    # Font size of the numbers inside cells
)
```

Matrica zabune


```
accuracy <- sum(diag(conf_matrix)) / sum(conf_matrix)
cat("Accuracy:", accuracy, "\n")
```

Accuracy: 0.7664141

Izbacivanjem smo uspjeli dobiti poboljšanje od 0.2%.